ANNOTATED DIRECTORY OF ORGANIZATIONS DEALING WITH DESERTIFICATION CONTROL AND DRYLAND DEVELOPMENT

UNITED NATIONS ENVIRONMENT PROGRAMME

UNEP
LIBRARY AND DOCUMENTATION CENTRE

DESERTIFICATION CONTROL
PROGRAMME ACTIVITY CENTRE
1986

ANNOTATED DIRECTORY OF ORGANIZATIONS

DEALING WITH DESERTIFICATION CONTROL

AND DRYLAND DEVELOPMENT

1986

PREPARED BY
DESERTIFICATION CONTROL
PROGRAMME ACTIVITY CENTRE
NAIROBI

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INTRODUCTION

Desertification as a serious threat to the future of mankind became a prominant issue following the devastating famines of the late 1960s and early 1970s in the Sahel zone of West Africa and Ethiopia. These famines were repeated in the mid-1980s. The decreases in food production which result in famine are due to a complex of factors which causes lower land productivity. The most important factor in long term decreases in land productivity is the phenomenon of desertification, where vegetation cover is lost and soil is eroded or degraded by nutrient depletion, salinization or waterlogging.

Recognizing the growing threat of desertification, the United Nations convened the Conference on Desertification (UNCOD) in 1977, held in Nairobi. The UN Plan of Action to Combat Desertification (PACD) resulted from this conference, and a desertification unit was established within the United Nations Environment Programme (UNEP) to follow-up and co-ordinate implementation of the Plan. Today this unit is known as the Desertification Control Programme Activity Centre (DC/PAC).

This Annotated Directory is a direct response of a recommendation made by the PACD (para.99 (e) (v)) that arrangements be made for:

> "the preparation, publication and distribution by UNEP, in co-operation with relevant United Nations bodies and other international and non-governmental organizations, of an updated annotated directory of international, regional and national organizations, institutes, research centres, experimental stations, etc. which are dealing with the problems of desertification and the development of arid lands."

It is our hope that this directory will facilitate the dissemination and exchange of information and experience relating to desertification and its control. Additions and corrections to this directory can be made by making use of a questionnaire located in the rear of this document as an appendix. It can be mailed to:

Desertification Control PAC
P.O. Box 30552
Nairobi, Kenya

We also invite interested persons and institutions to contact us for further information concerning desertification should they so wish.

ACKNOWLEDGEMENTS

The data obtained for the preparation of this Directory has been supplied by more than 450 institutions in response to 850 questionnaires which were sent out at the beginning of 1985. We offer our special thanks to them all for their contribution to this endeavour.

We would also like to thank in advance the many people who will help us to improve future publications of this directory by providing more detailed and precise information by means of the attached questionnaire in Appendix I. We also encourage users to forward the questionnaire to organizations which are not yet registered in the Directory.

TYPE OF INFORMATION

The information herein has been obtained mainly from a mail-survey conducted during the period of January -December 1985. More than 850 institutions and organizations (governmental, non-governmental, international and private) from all over the world were contacted. The response rate reached 65 per cent by the end of December 1985, with late responses arriving after that time. These late responses will be included in the next edition along with the modifications of those already recorded.

The following elements comprise the standardized format (previously defined by UNESCO and the Inter-Agency Working Group on Desertification, March 1983) by which all entries are organized and then catalogued.

1. Country
2. Formal name of the organization
3. Address
4. Cable/telex
5. Name of Director
6. Title of his/her post
7. Number of professional staff
8. Main internal organization
9. Specific areas of concern
10. Specific activities being carried out
11. New activities planned
12. Publications (type, periodicity)
13. Sources of economic support
14. Fixed or permanent experimental stations and their activities

SOURCES OF INFORMATION

The source of information for each organization described in Chapter IV is referred by the codes listed below.

Code	Source of Information
R	Response to UNEP-questionnaire
(1)	UNEP. Desertification Control in Africa: Actions and Directory of Institutions. Vol II. 1985.
(2)	UNEP. Draft Directory of National, Regional and International Institutions Involved in Research and/or Training on Subjects Related to Desertification in the ECWA Region. 1984 (Draft).
(6)	UNEP. Compendium of Projects and Programmes of the United Nations System in the Field of Desertification. UNEP/GC.12/Background Paper 2. 1984 (Draft).

ARRANGEMENT OF THE INFORMATION

The information in this document has been sorted and will be presented under the following chapters:

Chapter I:	Alphabetic index of organizations
Chapter II:	Subject term index
Chapter III:	Geographical location index
Chapter IV:	Description of organizations
Chapter IV:	Contains the block of recorded organizations with a detailed description and is presented in region-country code order.
Chapters I-III:	Offer three ways to access the information contained in Chapter IV.

It is important to point out that the subject terms included in this publication are intended to be a simple way to classify, describe and access the information. Suggestions from users on how to improve the information access is most welcome.

Appendix I consists of a questionnaire for institutions included that may be interested in modifying the given information, or for new organizations that were not included in the present edition to send in information. The next edition is expected to be ready by the end of 1988.

HOW TO USE THE DIRECTORY

If you are looking for information about institutions by:

A. The specific name of the organization:

- Find the name of the organization in Chapter I: "Alphabetical Index of Organizations", pick up its code and locate it in Chapter IV: "Description of organizations", which is arranged in alpha-numeric order.

B. A specific subject area of concern (e.g. drought):

- Locate the selected subject term in Chapter II: "Subject Term Index" and find the set of codes which relates to the relevant organization.

- Find the organizations by their codes in Chapter IV: "Description of Organizations".

C. Geographical location (region and/or country):

- From Chapter III: "Geographical Location Index", get the page number(s) of the country(ies) or region of your interest.

- Go to the page indicated.

ABBREVIATIONS

ABEDA	Arab Bank for Economic Development
Agric.	Agriculture (En.Fr) Agricultura (Sp.)
CEAO	West Africa Economic Community
CIDA	Canadian International Development Agency
CILSS	Permanent Interstate Committee on Drought Control in the Sahel
Comm.	Commission (En., Fr.) Comision (Sp.)
CSIRO	Commonwealth Scientific and Industrial Research Organization
Conserv.	Conservation (En., Fr.) Conservación (Sp.)
Coop.	Cooperation (En., Fr.) Cooperación (Sp.)
DANIDA	Danish International Development Agency
Dept.	Department (En.) Departement (Fr.) Departamento (Sp.)
Dev.	Development (En.)
Dir.	Direction (En., Fr.) Dirección (Sp.)
Div.	Division (En., Fr., Sp.)
ECA	Economic Commission for Africa
ECE	Economic Commission for Europe
Educ.	Education (En.,Fr.)
ECWA	Economic Commission for Western Asia
EEC	European Economic Community
Env.	Environment (En.)
Establ.	Establishment (En.) Establissement (Fr.) Establecimiento (Sp.)
ETMA	Environmental Training and Management in Africa

Fac.	Faculty (En.) Faculté (Fr.) Facultad (Sp.)
FAO	Food and Agriculture Organization of the United Nations
FINIDA	Finish International Development Agency
IAEA	International Atomic Energy Agency
ICIPE	International Centre for Insect Physiology and Ecology
ICRISAT	International Crops Research Institute for the Semi-Arid Tropics
IBRD	International Bank for Reconstruction and Development
IDB	Islamic Development Bank
IDRC	International Development Research Centre
IFAD	International Fund for Agricultural Development
IITA	International Institute of Tropical Agriculture
ILCA	International Livestock Centre for Africa
ILO	International Labour Organization
Inst.	Institute (En.) Institut (Fr.) Instituto (Sp.)
Internat.	International (En.,Fr.)
IPAL	Integrated Project on Arid Lands
IUCN	International Union for the Conservation of Nature
Lab.	Laboratory (En.) Laboratoire (Fr.) Laboratorio (Sp.)
MAB	Man and Biosphere Programme-UNESCO
Manag.	Management (En.)
Min.	Ministry (En.) Ministère (Fr.) Ministerio (Sp.)
Nat.	National (En., Fr.) Nacional (Sp.)
NGO	Non-Governmental Organization
OAU	Organization of African Unity

OECD	Organization for Economic Co-operation and Development
Org.	Organization (En.) Organisation (Fr.) Organización (Sp.)
ORSTROM	Office de la Recherche Scientifique et Technique Outre-Mer
Prod.	Production (En., Fr.) Producción (Sp.)
Reg.	Regional (En., Fr., Sp.)
Sc.	Science (En., Fr.)
SIDA	Swedish International Development Authority
Tech.	Technology (En.) Technologie (Fr.) Tecnología (Sp.)
UNCHS	United Nations Conference for Human Settlements
UNDP	United Nations Development Programme
UNDTCD	United Nations Department of Technical Co-operation for Development
UNEP	United Nations Environment Programme
UNESCO	United Nations Educational, Scientific and Cultural Organization
UNICEF	United Nations Children's Fund
UNIDO	United Nations Industrial Development Organization
Univ.	University(En.) Université(Fr.) Universidad(Sp.)
UNSO	United Nations Sudano-Sahelian Office
USAID	United States Agency for International Development
WFP	World Food Programme
WHO	World Health Organization
WMO	World Meteorological Organization
WWF	World Wildlife Fund

CHAPTER I

ALPHABETIC INDEX OF ORGANIZATIONS

Organization	Code
ACMA - Lab. de la Roquette. (France)	C120
Academy of Scientific Research and Tech./Egyptian Remote Sensing Centre (Egypt)	K821
Africa News Environment Network (Kenya)	L417
African Training & Research Centre for Women - UNECA (Ethiopia)	K900
Africare. (USA)	B158
Agrhymet. (Niger)	M300
Agric. Affairs & Fish Resources Authority. (Kuwait)	G500
Agric. Canada/Range Research Station. (Canada)	B008
Agric. Canada Research Station. (Canada)	B007
Agric. Research Centre. (Libya)	L600
Agric. Research Corporation. (Sudan)	M800
Agric. Research Div. (Lesotho)	M500
Agric. Research Org. /Forestry Div. (Israel)	G300
Agronomic Research Co-ordination Unit. (Ethiopia)	K901
Alain Municipality/Horticulture Section. (U.A. Emirates)	H300
Alexandria Univ./ Dept. of Botany/Ecology Lab. (Egypt)	K817
Alfateh Univ./Fac. of Agric. (Libya)	L601
American Univ. in Cairo/Desert Dev. Center. (Egypt)	K815
Animal Prod. Research Unit. (Botswana)	K303
Arab Center for the Studies of Arid Zones & Dry lands. (Syria)	H101
Arab Org. for Agric. Dev. (Sudan)	M814
Ardhi Inst. (Tanzania)	M900
Arid Land Research Center. (U.A. Emirates)	H301
Arizona State Univ./ Lab. of Climatology. (U.S.A.)	B104
Arizona-Sonora Desert Museum. (U.S.A.)	B103
Association des Clubs des Amis de la Nature. (Cameroon)	K414
Association for the Dev. of Agric. Sc. in Africa. (Ethiopia)	K902
Association Française des Volontaires du Progrés. (France)	C128
Association Pour la Sauvegarde de l'Environnement. (Madagascar)	L700
Australian Nat. Univ. /Dept. of Demography. (Australia)	E002
Autorité du Bassin du Niger (Niger)	M301
Azerb SSR Academy of Sc. /Inst. of Geography. (U.S.S.R.)	E500
Bioclimatologie INRA-INA PG. (France)	C162
Botanical Survey of India. (India)	E200
Botswana Agric. College. (Botswana)	K300
Botswana Tech. Centre. (Botswana)	K302
Boyce Thompsom Southwestern Arboretum. (U.S.A.)	B105
Brace Research Inst. (Canada)	B000
Bureau of Mineral Resources - Geology & Geophysics. (Australia)	E004
Bureau of Reclamation/Engineering & Research Center. (U.S.A.)	B147
Bureau pour le Dev. et la Prod. Agricole. (France)	C132
Bureau Regional de l'UNSO. (Burkina-Faso)	N217
CNRS - Lab. d'Information et de Documentation en Geographie. (France)	C108
CRBT (Algeria)	K002

Organization	Code
Cairo Univ./Inst. of African Research & Studies. (Egypt)	K819
Canadian Hunger Foundation. (Canada)	B001
Catholic Diocese of Meru. (Kenya	L418
Central Agric. Research Center. (U.S.A.)	B107
Central Agric. Research Station. (Yemen A.R.)	H400
Central Arid Zone Research Inst. (India)	E203
Central Soil Salinity Research Inst./Karnal. (India)	E204
Centre Burkinabe de la Recherche Scientifique. (B-Faso)	N207
Centre d'Etude et d'Experimentation du Machinisme Agricole Tropicale. (France)	C105
Centre d'Etudes de Géographie Tropicale. (France)	C102
Centre d'Etudes Economiques et Sociales de l'Afrique de l'Ouest (B-Faso)	N203
Centre d'Etudes et Realisations Cartographiques Geographiques. (France)	C139
Centre d'Etudes Phytosociologiques et Ecologiques l'Emberger. (B-Faso)	N205
Centre de Coop. Internat. en Recherche Agronomique pour le Dev. (France)	C115
Centre de Formation Maraichere Adventiste - Bazega. (B-Faso)	N218
Centre de Formation Professionnelle Forestière de Morondava. (Madagascar)	L702
Centre de Geographie Appliquée. (France)	C144
Centre de Recherche du Génie Rural. (Tunisia)	N000
Centre de Recherche Zootechnique Koida. (Senegal)	M504
Centre de Recherches Forestières. (Cameroon)	K400
Centre de Recherches Géologiques et Minières. (Cameroon)	K401
Centre for Agrobiological Research. (Netherlands)	C402
Centre for the Application of Sc. & Tech. for Rural Areas. (India)	E207
Centre for the Study of Dev. Societies. (India)	E201
Centre Nat. d'Elevage et de Recherches Veterinaires. (Mauritania)	L901
Centre Nat. de Recherche Agronomique et Dev. Agricole de Kaedi. (Mauritania)	L902
Centre Nat. de Recherches Agronomiques. (Senegal)	M502
Centre Nat. de Recherches Forestières ISRA/CNRF. (Senegal)	M503
Centre Nat. du Machinisme Agricole du Genie Rural des Eaux et des Forêts. (France)	C145
Centre Nat. de la Recherche Scientifique et Technologique. (B-Faso)	N206
Centre of Agric. Mechanization & Rural Tech. (Tanzania)	M911
Centre Regional Africain de Technologie. (Senegal)	M501
Centre Regional de Teledetection. (B-Faso)	N-208
Centre Tech. Forestière Tropical. (B-Faso)	N-204
Centre Technique Forestière Tropical. (France)	C110
Centro de Ecología y Recursos Naturales Renovables. (Argentina)	I015
Centro de Estudios Espaciales. (Chile)	I311
Centro de Investigaciónes en Química Aplicada. (Mexico)	I704
Centro de Investigacion de Zonas Aridas. (Peru)	I904
Centro de Investigaciónes Agricolas del Nordeste. (Mexico)	I721
Centro de Investigaciones Biologicas de B.C.S. (Mexico)	I703
Centro de Estudos Agrários. (Cape Verde)	K505
Centro de Investigaciones Agrícolas del Golfo Norte. (Mexico)	I737
Centro Regional de Agua Subterránea. (Argentina)	I001

Organization	Code
Chihuahuan Desert Research Inst. (U.S.A.)	B109
Cirad-Irat. (B-Faso)	N213
Clark Univ. /Programme for Internat. Dev. (U.S.A.)	B138
Colorado State Univ./Nat. Resource Ecology Lab. (U.S.A.)	B127
Comm. Nat. de Geografia. (Chile)	I302
Comité Interafricain d'Etudes Hydrauliques. (B-Faso)	N209
Comité Permanent Inter-Etats de la Lutte Contre la Secherèsse Dans le Sahel. (B-Faso)	N211
Comm. Nat. de las Zonas Aridas. (Mexico)	I707
Conserv. & Forestry Div. (Lesotho)	L501
Conserv. Comm. of the Northern Territory. (Australia)	E018
Consortium of Internat. Dev. (U.S.A.)	B111
Corporación Nat. Forestal. (Chile)	I303
Corporación de Fomento de la Prod. (Chile)	I310
Council of Scientific Research/Agric. & Water Resources Research Centre. (Iraq)	G200
CSIRO Div. of Horticultural Research. (Australia)	E008
CSIRO Div. of Applied Organic Chemistry. (Australia)	E005
CSIRO Div. of Groundwater Research. (Australia)	E011
CSIRO Div. of Wildlife & Rangelands Research. (Australia)	E010
CSIRO Div. of Wildlife & Rangelands Research. (Australia)	E016
Dept. Animal Health & Prod. (Gambia)	L000
Dept. de Ingenieria de Suelos. (Chile)	I307
Dept. des Recherches Forestières. (Niger)	M302
Dept. of Agric. Western Australia/Rangeland Manag. Branch. (Australia)	E033
Dept. of Environment. (Iran)	G102
Dept. of Land Surveys & Physical Planning. (Lesotho)	L504
Dept. of Meteorology. (Sudan)	M808
Dept. of Nat. Parks & Wildlife Manag. (Zimbabwe)	N405
Dept. of Rural Dev. (Zimbabwe)	N409
Dept. of Veterinary - Pasture & Range Manag. (Uganda)	N103
Dept. of Water Affairs. (Lesotho)	L507
Dept. of Water Affairs. (Botswana)	K315
Desert Ecological Research Unit. (Namibia)	M201
Desert Locust Control Org. for Eastern Africa. (Ethiopia)	K905
Desert Research Inst. (Egypt)	K805
Desert Tortoise Council. (U.S.A.)	B161
Dir. de Forêts. (Chad)	K600
Dir. de l'Agriculture. (Benin)	K201
Dir. de la Recherche Forestière/Dept. de la Recherche Agronomique. (Benin)	K203
Dir. des Eaux et Forêts et de la Conserv. de Sols. (Morocco)	M009
Dir. des Forêts et de la Faune. (Niger)	M303
Dir. des Forêts - Chasse et Lutte Contre la Désertification. (Chad)	K607
Dir. des Ressources en Eau et de la Meteo. (Chad)	K608
Dir. des Sols. (Tunisia)	N002
Dir. du Genie Rural. (Benin)	K209
Dir. du Genie Rural. (Chad)	K601
Dir. Nat. des Eaux et Forêts. (Mali)	L801
Dir. Nat. des Eaux et Forêts. (Benin)	K202

Organization	Code
Dir. Prefectorale des Eaux et Forêts. (Guinea)	L200
Dir. Regional Patagonia - INTA. (Argentina)	I005
Directorate of Land Reclamation Punjab. (Pakistan)	E400
Div. of Forest Research. (Zambia)	N304
Div. of Land Utilization. (Botswana)	K308
Drainage Research Inst. (Egypt)	K806
Duntech Irrigation Service Ltd. (U. Kingdom)	C822
Eclaireuses/Eclaireurs de Burkina Faso. (B-Faso)	N218
Ecole Nat. Forestière d'Ingenieurs. (Morocco)	M000
Economic & Social Comm. for Asia & the Pacific - ESCAP. (Thailand)	E600
Economic Comm. for Africa - ECA. (Ethiopia)	K919
Economic Comm. for Latin America - ECLA. (Chile)	I312
Economic Comm. for West Asia - ECWA. (Iraq)	G209
Ecothèque Mediterraneenne. (France)	C109
Envipact. (France)	C167
Environmental Liaison Centre (Kenya)	L405
Establissement d'Enseignement Superieur des Sciences Agronomiques. (Madagascar)	
Estación Experimental Agropecuaria Catamarca - INTA. (Argentina)	I004
Estación Experimental Agropecuaria San Juan - INTA. (Argentina)	I019
Estación Experimental Agropecuaria San Luis. (Argentina)	I002
Estación Experimental Agropecuaria Santiago del Estero - INTA. (Argentina)	I020
Estación Experimental Zonas Aridas. (Spain)	C500
Federal Dept. of Forestry. (Nigeria)	M405
Federal Inst. for Geosciences & Natural Resources. (F.R. Germany)	C200
Fonds Mondial pour la Nature. (Madagascar)	L710
Food & Agric. Org. of the United Nations. (Italy)	C302
Forest & Bee Keeping Div. (Tanzania)	M902
Forest Administration. (Sudan)	M801
Forest Association of Botswana.	K320
Forest Research Centre. (Sudan)	M805
Forest Research Inst. (Uganda)	N105
Forestry & Range Org. (Iran)	G100
Forestry Comm. (Zimbabwe)	N410
Forestry Dept. (Gambia)	L001
Forestry Dept. (Uganda)	N110
Forestry Research Dept. (Kenya)	L414
Forestry Research Inst. of Nigeria.	M408
Forests Administration. (Sudan)	M804
Fundação Joaquim Nabuco/Inst. de Pesquisas Sociais. (Brazil)	I201
General Directorate of Applied Agric. Research. (Iraq)	G206
General Directorate of Forestry. (Turkey)	H202
General Org. for Desert Rehabilitation. (Egypt)	K808
Geological & Mineral Resources Div./Geological Survey Dept. (Sudan)	M806
Grassland & Animal Husbandry Research Inst. (Turkey)	H200
Green Belt Movement. (Kenya)	L426
Groupe de Recherche et d'Applications Techniques. (Mali)	L812
Groupe de Recherche et Realisation pour le Dev. Rural. (France)	C151
Groupe de Recherche et d'Exchanges Tech. (France)	C166
Groupement d'Etudes et Realisations des Societés d'Amenagement Regional. (France)	C163

Organization	Code
Hebrew Univ./Dept. of Zoology. (Israel)	G305
Henderson Research Station. (Zimbabwe)	N411
Hlekwene Friends Rural Service Centre. (Zimbabwe)	N412
Hydro M. (France)	C100
Hydroponic Advisory & Information Unit. (U. Kingdom)	C803
ILCA/CIPEA. (Mali)	L802
Imperial College/Dept. of Aeronautics. (U. Kingdom)	C821
INADES-Information. (I-Coast)	N500
Indian Association of Biological Sc. (India)	E208
Inst. Agronomico per l'Oltremare. (Italy)	C300
Inst. Agronomique et Veterinaire Hassan II. (Morocco)	M002
Inst. Argentino de Investigaciones de las Zonas Aridas. (Argentina)	I009
Inst. d'Elevage et de Medecine Veterinaire des Pays Tropicaux. (France)	C117
Inst. de Ecología - A.C. (Mexico)	I715
Inst. de Investigacion de Recursos Naturales Iren-Corfo. (Chile)	I304
Inst. de Investigaciones de Zonas Deserticas. (Mexico)	I717
Inst. de Investigaciones Hidrologicas. (Chile)	I301
Inst. de la Recherche Agronomique. (Cameroon)	K404
Inst. de Pesquisa e Tecnología. (Cape Verde)	K502
Inst. de Recherche en Biologie et Ecologie Tropical. (B-Faso)	N210
Inst. de Recherches en Sc. Humaines. (Niger)	M306
Inst. de Recherches Geologiques et Minières. (Cameroon)	K409
Inst. de Recherches sur Techniques d'Industrie, le Sol et le Sous-Sol. (Cameroon)	K405
Inst. des Regions Arides. (Tunisia)	N003
Inst. du Sahel. (Mali)	L806
Inst. for Agric. Research. (Nigeria)	M410
Inst. for Applied Research. (Israel)	G302
Inst. for Water Resources Research. (F.R. Germany)	C206
Inst. Geographique du Burkina Faso. (B-Faso)	N214
Inst. Geographique Nat. (France)	C119
Inst. Mexicano de Recursos Naturales Renovables. (Mexico)	I718
Inst. Mexicano de Tech. Apropiadas. (Mexico)	I720
Inst. Nat. des Sc. Humaines. (Chad)	K605
Inst. Nat. Agronomique Paris-Grignon/Lab. de Zoologie. (France)	C154
Inst. Nat. Agronomique. (Algeria)	K000
Inst. Nat. de Investigaciones Agricolas. (Mexico)	I724
Inst. nat. de Investigaciones Forestales. (Mexico)	I722
Inst. Nat. de Investigaciones Pecuarias. (Mexico)	I729
Inst. Nat. de la Recherche Agronomique d'Algerie. (Algeria)	K004
Inst. Nat. de la Recherche Agronomique de Tunisie. (Tunisia)	N004
Inst. Nat. de la Recherche Agronomique. (Morocco)	M007
Inst. Nat. de la Recherche Zootechnique - Forestière & Hydrobiologique. (Mali)	L804
Inst. Nat. de Recherche Forestière. (Algeria)	K005
Inst. Nat. de Recherches Forestières. (Tunisia)	N005
Inst. Nat. de Recherches Agronomique du Niger. (Niger)	M305
Inst. Nat. de Tech. Agropecuaria - EERA Alto Valle. (Argentina)	I022
Inst. Nat. de Tech. Agropecuaria/Estación Experimental Ramacaída. (Argentina)	I018

Organization	Code
Inst. Nat. de Tech. Agropecuaria-INTA. (Argentina)	I007
Inst. Nat. de Tech. Agropecuaria. EERA Anguil. (Argentina)	I021
Inst. of Agric. & Agrarian Reform/Steppe Range & Sheep Directorate. (Syria)	H105
Inst. of Agric. Engineering. (Zimbabwe)	N413
Inst. of Agric. Research. (Ethiopia)	N413
Inst. of Agric. Research. (Nigeria)	M411
Inst. of Animal Research-IRZ. (Cameroon)	K407
Inst. of Environmental Studies. (Sudan)	M807
Inst. of Soil Sc. & Photosynthesis. (U.S.S.R.)	E501
Inst. of Soils & Water/Aro-Volcani Centre. (Israel)	G309
Inst. Panafricain Pour le Dev./Dir. Regionale Afrique de l'Ouest-Sahel. (B-Faso)	N220
Inst. Polytechnique Gamal Abdel Nasser. (Guinea)	L210
Inst. Polytechnique Rural Katibongou. (Mali)	L805
Inst. Scientifique. (Morocco)	M003
Inst. Sedue. (Mexico)	I709
Inst. Superieur d'Etudes et de Recherches Scientifiques et Techniques. (Djibouti)	K700
Inst. Tech. de l'Elevage Ovin et Caprin. (France)	C156
Inst. Tech. y de Estudios Superiores de Monterrey. (Mexico)	I719
Inst. Senégalais de Recherches Agricoles/Centre Nat. de Recherches Forestières. (Senegal)	M508
Inter-African Bureau for Animal Resources of the OAU. (Kenya)	L427
Inter-Comm. on the Application of Sc. to Agric. (Canada)	B006
Intermediate Tech. Dev. Group Ltd. (U. Kingdom)	C804
Interministerial Drought Committee. (Botswana)	K313
Internat. Bank for Reconstruction & Dev. (U.S.A.)	B118
Internat. Centre for Agric. Research in the Dry Areas. (Syria)	H106
Internat. Centre of Insect Physiology & Ecology. (Kenya)	L407
Internat. Comm. on Irrigation & Drainage. (India)	E212
Internat. Council for Research in Agroforestry. (Kenya)	L409
Internat. Crops Research Inst. for the Semi-Arid Tropics. (India)	E211
Internat. Inst. for Land Reclamation & Improvement. (Netherlands)	C401
Internat. Labour Org. (Switzerland)	C705
Internat. Livestock Centre for Africa. (Ethiopia)	K909
Islamic Univ. Bahawalpur/Cholistan Inst. of Desert Studies. (Pakistan)	E408
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Kelansar Vikas Samiti. (India)	E219
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King Faisal Univ./College of Agric./Dept. of Plant Prod. Dept. of Soils. (Saudi Arabia)	H005
King Saud Univ./College of Agric./Dept. of Soils - Dept. of Plant Prod. (Saudi Arabia)	H003
Kuwait Inst. for Scientific Research. (Kuwait)	G502
Kweneng Rural Dev. Association. (Botswana)	K307
Kyushu Univ. - Irrigation Engineering Lab. (Japan)	E300

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Lab. de Cryptogramie. (France)	C143
Lab. de Géographie. (Madagascar)	L807
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Lab. de l'Energie Solaire. (Mali)	L807
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Min. de l'Agric./Service Nat. de Sols. (Guinea)	L211
Min. de l'Environnement/Dir. de l'Amenagement Forestière et du Reboisement. (B-Faso)	N212
Min. de l'Hydraulique de l'Environnement et des Forêts. (Algeria)	K006
Min. de la Prod. Agricole et de la Reforme Agraire. (Madagascar)	L709
Min. des Affaires Saheriennes et Nomades. (Niger)	M308
Min. do Interior/Superitendencia do Desenvolvimento do Nordeste (Brazil)	I207
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Univ. of Khartoum/Fac. of Agric. (Sudan)	M803
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E408 G305 G308 G502 H009 H102 I009 I022 I715 I900 K002
K209 K609 K808 L431 M201 M600 M805 N003

DESERT GRASSLANDS
B118 C706 E212

DESERT PLANTS
B101 B105 B109 B114 B133 B136 B161 E025 E200 E203 E209
E220 E222 E408 G100 G305 H002 H003 H102 H300 I009 I307
I707 M001 M201 M405 M600 M805

DESERT SOILS
B109 B136 B161 C204 E209 E220 E222 G502 H300 I009 I302
I307 I715 K819 L431 M404 M600 M805

DESERTIFICATION CONTROL
B101 B107 B111 B118 B123 B130 B133 B146 B149 B155 B158
B160 C110 C115 C132 C136 C143 C145 C159 C163 C166 E222
E302 E407 E501 E503 G100 G102 G604 G900 H009 H102 I005
I011 I709 I902 K204 K409 K414 K700 K821 K918 L001 L417
L431 L900 L905 M009 M303 M404 M405 M604 M803 M807 M809
M810 M813 N002 N006 N102 N107 N110 N205 N207 N211 N217
N221

DOMESTIC ANIMALS
K318 L000

DRAINAGE
E301 G311 G319 G900 H005 H008 H201 K806 K809 K814 K821
N000

DROUGHT TOLERANCE
B101 B102 B105 B137 C115 E301 E403 G104 H002 H101 I011
I307 I704 I735 K004 K407 K604 K909 L430 L500 L902 M001
M404

DROUGHT
B006 B105 B118 B136 B158 C114 C123 C144 C706 C708 G104
I201 I307 I713 I735 K304 K308 K313 K604 K900 K907 K909
K915 L601 L901 M308 M404 N102 N211 N217

DRY FARMING
B007 B101 B101 B107 B178 C145 C302 C805 E032 E209 E211
E403 G104 G209 H008 I002 I020 I310 I735 K309 K318 K909
L601 L806 M418 N411

EARTHQUAKES
B150

ECOLOGY
B008 B127 B136 B138 B160 C109 C203 C302 C402 C500 C803
E016 E041 E208 E212 E215 E218 E503 G203 G204 G300 G304
G316 G501 H104 I015 I018 I703 I718 I721 I737 I902 I904
K308 K909 L404 L416 L502 L806 M302 M303 M416 M514 M516
M910 N003 N005 N103 N206 N207 N210 N210 N304 N402 N405
N414 N500

ECONOMIC DEVELOPMENT
B138 B149 C109 C115 C163 C804 E201 E203 E204 E211 E212
G313 I721 I729 I735 K000 K317 K412 K505 K602 K819 K902
M000 M002 M305 M800 N003 N004 N207 N216

ECONOMIC PLANTS
B105 I020 I310 I704 I707 M411

ECOSYSTEMS
B101 B116 B127 B161 B163 C114 C817 E200 E219 E222 G308
G405 I002 I715 I902 K002 K208 M002 M807 N005 N109 N210
N405

ENCROACHMENT
E200

ENDANGERED PLANT SPECIES
E200

ENERGY
B119 B147 C162 C167 E207 I308 K318 K405 K409 K502 L405
L413 L806 L812 M404 M909 M911 N303 N416

ENTOMOLOGY
C154 C500 E211 G604 K412 K905 L407 L414 M003 M005 M418
M514 M800 M910 N004 N304

ENVIRONMENT
C110 C167 C701 C807 C814 C817 E208 E218 E219 E501
G203 G300 G302 G308 G502 G903 I015 I306 I703 I902 K002
K204 K208 K414 K700 K915 L002 L300 L405 L413 L414 L417
L425 L502 L700 L806 M303 M504 M809 M904 M812 N109 N215
N217 N400

ENVIONMENTAL EFFECTS
B007 B181 C162 G900 I306 K304 M912

ENVIRONMENTAL IMPACT
B138 E018 E200 I306 I311 I715 I902 L209 M807 M809 N420

EROSION
C601 E032 E218 G311 I007 K006 N002

EROSION CONTROL
B135 C302 C303 C705 E022 G201 H201 H202 I717 K005 K805
K814 L431 L502 M009 M315 M408 M912 N003

ETHNOLOGY
K605 M306

FALLOWING
H106 K909

FAUNA SURVEYS
B136 B139 C500 E215 G201 G305 I005 I715 I717 I902 K320
K819 L801 L905 M003 M303 M810 N405

FERTILIZERS
B128 H101 I313 K909 L408

FISHERIES
B114 B118 B128 B134 B150 B153 C206 E004 E011 E204 E214
G405 G901 K808 K811 M806 N307

FLOOD CONTROL
I900 N110

FLOODS
N105

FLUVIAL PROCESS
B150 E026 N104

FOOD CONSERVATION
B158 C105 C300 I720 K318 K902 L704 L811 M410 M413 M501
M800

FOOD HABITS
M410

FOOD SUPPLY
B001 B158 C102 C303 K313 K900 M814 M904 N219

FORAGE GRASSES
I020 K407 K909 L802

FORAGE PLANTS
C162 E200 G604 I004 I009 I020 I021 I721 K407 K909 K914
L804 M007 M504 N217

FORAGE PRODUCTION
B007 B008 B119 B137 C166 E403 G604 H001 H200 I002 I004
I009 I018 I020 I021 I721 I729 K407 K914 L802 L804 M007
N217

FORAGE SUPPLY
K407

FOREST FIRES
B150 L002 L200 L704

FOREST MANAGEMENT
G302 I207 I303 I722 I900 K005 K005 K207 K320 K504 L001
L409 L702 L801 L805 M004 M408 M803 N101 N105 N110 N210
N101 N105 N110 N210 N216 N217

FOREST PRODUCTS
C800 G100 G300 I020 I303 I722 K307 K600 K607 L001 L409
L410 L414 L430 L702 L905 M407 M408 M503 M508 M901 N105
N110 N420

FORESTRY
B101 B107 B111 B118 B123 B130 B133 B146 B149 B155 B158
B160 C110 C115 C132 C143 C145 C159 C163 C166 C300 C303
C402 C701 C805 C808 E023 E025 E032 E033 E207 E209 E212
E214 E301 G204 G206 G209 G302 G304 C300 C303 C402 C701
C805 C808 E023 E025 E032 E033 E207 E209 E212 E214 E301
G204 G206 G209 G302 G304 L409 L410 L414 L415 L431 L501
L502 L600 L702 L703 L704 L709 L801 L804 L806 L812 M000
M005 M009 M203 M305 M405 M407 M408 M415 M420 M503 M508
M600 M604 M800 M803 M805 M810 M810 M814 M901 M902 M904
M912 N004 N005 N100 N107 N204 N206 N210 N212 N302 N303
N304 N400 N500

FORESTS
B003 B135 C303 C800 C810 C816 H003 H104 H300 I018 I207
I713 I722 I902 K202 K207 K307 K414 K700 K916 L002 L409
L410 L415 L418 L426 L702 L703 L905 M009 M407 M408 M503
M506 M804 M809 M810 N005 N101 N109 N221 N418

FOSSILS
E004 M804 M806

FUELWOOD
B127 I015 I735 M404

GEOCHEMICAL EXPLORATIONS
E004 K401 K900 M806

GEOCHEMISTRY
B150 E004

GEOGRAPHY
C102 C108 C119 C144 C806 C812 C815 E000 E030 E032 E600
G401 H002 I012 I302 I713 I715 K412 K605 K819 L211 L400
L411 L428 L504 L705 M305 M514 N102 N214

GEOLOGY
E000 E004 E026 I302 I902 K401 K405 K805 K821 M003 M404
M514 M806 N208

GEOMORPHOLOGY
C203 C204 C814 E004 I302 I713 I715 K401 K609 K805 L400
L428 M003 M806

GOATS
N411 N414

GRASSES
B102 B165 E024 E025 E408 I020 L503 N414

GRASSLANDS
B139 B165 C302 E024 E025 G201 H005 H102 H200 I009 I020
I021 I022 I729 I902 K407 L429 L503 L708 L802 M800 M904
M906 N005 N210 N210

GRAZING
B110 B121 B130 B139 B165 C114 C117 C156 C302 C303 E000
E001 E023 E024 E025 E033 E403 G201 G405 G501 G502 H101
I020 I022 I729 K303 K308 K407 K603 L000 L426 L429 L503
L802 L901 M305 M807 M812 M905 N005 N103 N402 N408

GREENBELTS
C163 C303 C810 C816 G500 H300 K005 K414 K916 L001 L426
L900 N218

GREENHOUSES
G901 H301 M411

GROUNDWATER
C200 E004 E026 G202 G304 G405 G900 I001 K404 K811 K821
N104 N208 N209

HABITATS
M002 N109

HORTICULTURE
B105 B137 C300 E008 E023 H301 I004 I310 I313 K805 L806
L811 M002 M410 M411 M800 N213 N219

HOUSING (SHELTERS)
B123 E002 E026 G321 K918 M315

HUMAN BEHAVIOUR
K605 M306

HUMAN FACTOR STUDIES
B138 B160 E201 E203 G321 I902 K412 K605

HUMAN HEALTH
B155 B158 C102 C120 C166 C701 C707 C810 E214 G903 I207
K309 K317 K412 L806 M308 M514 M900 M904 N203 N218

HUNTING
K207 L905 M004

HYDROGEOLOGIC MAPS
B118 C114 C708 E032 E218 I902 K405 K412 K608 K919 L502
L709 L909 M301 M514 M909 N104

HYDROGEOLOGY
C145

HYDROLOGY
B001 B114 B147 B158 B178 C144 C150 C163 C200 C206 C401
C804 E207 E209 E212 E222 E301 G104 G302 G309 G403 G701
I001 I009 I304 I311 I724 I900 K207 K313 K404 K505 K805
K808 K914 L300 L403 L507 M807 M909 N209 N307 N416

HYDROPONICS
C803 C822 K001

INSECTS
C154 E215 K905

INVERTEBRATES
E000 E215 G305

IRRIGATED AGRICULTURE
B119 C163 E008 G800 H001 I020 K601 L804 M413 M502 N003

IRRIGATED SOILS
B116 G202 K804

IRRIGATION
B101 B128 B152 B178 C162 C166 C206 C302 C401 C817 C822
E027 E212 E300 E301 G203 G204 G208 G309 G403 G800 H001
H003 H201 I005 I020 I703 I719 I735 K503 K505 K601 K806
K901 L400 L502 L600 L709 L801 L909 M813 M814 M909 N002
N217 N409

IRRIGATION EFFECTS
B152 E300 I022 N000

IRRIGATION PRACTICES
B119 E018 E300 E400 G304 I019 I707 N000

IRRIGATION PROGRAMMES
B147 G403 I019 I019 I707 L909 M410 M813 N409

IRRIGATION SYSTEMS
B153 C166 C808 C822 E301 E400 E501 H101 H301 I002 I016
I313 I709 K809 L806 M813

LAKES
B128 B147 C206 C302 I707 K207 K209 M404

LAND CLASSIFICATION
B181 E030 I902 K310 L002 L200 L900 M600 N002

LAND CONSERVATION
B103 C110 C114 C145 C806 E018 E030 E032 E400 E500 E503
G100 G311 G401 G405 H002 H101 K308 K909 L400 L403
L411 L900 M009 M411 M812 M900 M902 M905 N220 N403 N404

LAND DEGRADATION
E403 E500 G102 H202 K308 L401 M411 M419 M812

LAND EVALUATION
C807 I709 M001 M906 N006

LAND MANAGEMENT
B002 B008 B130 B141 C115 C401 C806 E001 E018 E030 E033
E212 G302 G319 G800 G902 H002 H101 H200 I007 I902 K303
K304 K909 K915 L000 L002 L210 L400 L427 L429 L431 L500
L504 L802 M803 M900 N220 N404 N409 N414

LAND RECLAMATION
B118 B181 C145 C402 C803 E000 E018 E022 E204 E214 E220
E400 G100 G208 G309 G701 H005 H106 H400 I707 K001 K311
K407 K601 K805 K808 K811 K814 K914 K918 L200 L602 M004
M805 M810 M813 M902 M904 N221 N300 N404 N408 N409

LAND REFORM
B133 C102

LAND RESOURCES
C144 C302 C806 C815 E016 E018 E033 G100 G302 H002 H101
K308 K918 L410 L411 L427 L504 M812 N220 N403

LAND USE
B118 B128 B141 C114 C119 C401 C806 C812 C815 E018 E400
E407 E500 E503 G100 G102 G401 I012 I713 I717 I900 I902
K503 K814 K817 K910 K915 K918 L409 L410 L411 L431 L501
L502 L504 L507 M803 M813 M900 M909 N104 N215 N404 N409

LANDSCAPE
C145 L700 M002

LEGUMINOSAE
C132 K407

LIVESTOCK
B111 B118 B130 B148 B158 B165 C114 C117 C156 C157 E023
E215 E403 E408 G800 H101 I009 I020 I022 I729 I900 K303
K309 K311 K407 K603 K604 K808 K815 K909 L000 L004 L401
L407 N003 N103 N414 N500

MAMMALS
G316

MAPPING AND CARTOGRAPHY
B139 B171 C102 C108 C114 C119 C136 C139 C302 C815 C817
E407 G501G900 H101 I007 I008 I018 I020 I304 I311 I717
I725 I902 K002 K004 K308 K310 K311 K401 K407 K409 K604
K814 K817 K821 K910 L002 L211 L411 L431 L504 M000 M505
M806 N205 N214 N402 N408 N410

MARGINAL LANDS
G100 G104 H008 K607 K916 L709 M007 M405 M408 M420 M506
M604 M805 M810

METEOROLOGY
L507

MICROCLIMATOLOGY
I704 M408

MICRONUTRIENTS
E220 H101 K001 L403

MIGRATIONS
C114 C162 K503 K806 M503 M514

MINERALOGY
E004 E050 G209 G900 M806

MIST
B128 B147 C206 C302 I707 K207 K209 M404

MOUNTAINS
C807 E403 G401 G701 H202 K308 L401 L502 M812 M906 N006

NATURAL RESOURCES
B116 B128 B135 B146 B158 B160 C110 C123 C144 C145 C159
E023 E222 G302 G900 H101 I005 I007 I009 I207 I304 I306
I704 I718 I735 I902 K002 K204 K505 K805 K808 K915
L004 L413 L417 L600 L801 L804 M303 M904 N208 N217 N305
N401 N420

NATURE
B161 C110 C145 C200 E016 E501 G404 I005 I007 I718 I902
L209 L300 L413 L501 L700 L710 L801 L900 M004 M303 M516

NITROGEN FIXATION
B102 B163 E203 H106 K001 K809 L403 M503 M514 N402

NOMADISM
B002 B127 E002

NON-ARABLE AGRICULTURE
K305

NUTRIENTS
C803 K817 L403 N402

OASIS
K607 K821 L900 M007 N006

OVERFARMING
L002

OVERGRAZING
B128 C303 H202 K202 K600 K701 L200 L209 L709 L900 M415
M503 N006 N206 N217

PARKS AND RESERVES
B103 C302 E026 E200 G102 G401 G404 G502 H101 H300 I715
K207 L209 L700 M004 M604 M910 N405

PASTORALISM
B002 B127 C114 C115 C117 C139 C156 C300 C302 C807 C808
C818 E000 E018 E023 E026 E033 E048 G209 I020 I022 K006
K204 K209 K603 K604 K909 L401 L427 L429 L802 L805 L806
L901 M000 M001 M005 M305 M812 N003 N005 N006

PASTURES
B128 C114 C302 E000 E023 H005 H106 I002 I015 I021 I729
I735 K407 K503 K909 L401 L429 L709 L802 L804 M305 M413
M800 M810 M812 M902 M906 N003 N005 N103 N411

PEST CONTROL IN ANIMALS
C143 C500 C701 I021 K503 K603 K909 L000 L407 M305 M413
M505 M906

PEST MANAG. & CONTROL
C128 C154 C800 E203 G316 K005 K503 K901 K905 L407 M416
M906

PHOTOSYNTHESIS
E501

PHYTOGEOGRAPHY
K002 K817

PHYTOPATHOLOGY
I737 M800

PLANT ADAPTATION
B101 B121 E220 E403 G100 G104 G201 G304 G701 H001 H002
H101 H300 H301 I020 I303 I307 I310 I707 I709 I904 K006
K202 K310 K407 K600 K819 L902 M001 M005 M303 M405 M600

PLANT BIOLOGY
E211 E220 I019 I307 I313 I703 I704 I717 I737 K001 K902
M005 M305 M411 M901 N302

PLANT BREEDING
B007 B101 B121 B146 E008 E211 G300 G604 H101 I019 I735
L704 L902 M305 M410 M411 M418 M419 M503 M508 M800

PLANT CHEMISTRY
I704

PLANT COMMUNITIES
L404

PLANT DISTRIBUTION
B141 L404 L804

PLANT ECOLOGY
C402 E024 E301 G202 G203 G405 I015 I019 I313 I717 I721
I737 L401 L902 M006 M201 M305 N205

PLANT GENETICS
B102 B137 E008 E204 E211 G300 H101 I021 I721 I724 K001
K004 L804 M302 M302 M303 M416 M502 N004 N204

PLANT GROWTH
C162 C402 E008 I019 I704 L902 M411

PLANT NUTRITION
B121 B146 C402 E050 N004

PLANT PATHOLOGY
E211 I018 I021 L414 M410 M411 M418 M502 M800 N304

PLANT PHYSIOLOGY
B008 B102 B106 B114 C115 C162 C402 E008 E204 E211 E301
G104 G309 G501 I018 I704 I717 K001 M006 M006 M508 N004

PLANT POPULATIONS
E016 K901 L408 M418

PLANT STUDIES
B105 B139 B152 C154 E033 E041 E048 E203 E208 H002 H101
I020 I704 K001 K407 L902 N004

PLANT TAXONOMY
G202 G203 G405 H104 L404

PLANT USES
B105 G203 G405 H104 L404

PLANTING MANAGEMENT
B121 C810 C816 G100 G201 G208 G701 H002 I018 I704 K203
K306 K308 K901 L001 L405 L406 L426 L430 L812 L900 L905
M407 M419 M503 M809 N107

PLANTS
B008 B102 B103 B105 B121 C154 C500 G901 H104 L404 M304
M800 N004

POST-HARVEST CONSERV.
C166 C800 I720 L704 L811 M416 M501

RAINFED AGRICULTURE
C300 G208 H106 I719 L500 M413

RANGE LANDS
B101 B107 B111 B118 B123 B130 B133 B146 B149 B155 B158
B160 C110 C115 C132 C143 C145 C159 C163 C166 C815 E001
E010 E011 E016 E018 E023 E025 E026 E033 E041 E048 G201
G319 G502 G902 H001 H002 H003 H005 H101 H104 H200 I018
I022 I902 K005 K207 K208 K303 K310 K311 K909 L000 L210
L400 L410 L416 L427 L500 L503 L802 L514 M604 M800 M803
M812 M904 N003 N005 N103 N414

REAFFORESTATION
B110 B135 C110 C114 C300 K000 K001 K207 K601 K914 K916
L001 L401 L427 L801 L804 M000 M004 M005 M009 M408 M411
M419 M420 M516 M812 N210 N216 N218 N304 N408

RECREATION
N401

RELIEF ACTIVITIES
C128 C810 K308 K313 K918 N219

REMOTE SENSING
B002 B114 B123 B133 B153 C115 C119 C123 C128 C136
C144 C145 C150 C162 C163 C200 C302 C402 C816 C817
E000 E004 E026 E204 E301 G304 G311 G403 G502 G900
G903 I001 I301 I303 I304 I304 I311 I711 K208 K304
K809 K821 M003 N208 N410

RENEWABLE ENERGY
B000 C105 C167 C708 G209 K302 K815 L417 M315 N217

REPTILES
C500 E023 E215 G305

RESERVOIRS
B114 B133 C144 C145 C206 E032 E218 G319 I009 L507 M301
N307 N414

RIVERS
B007 B118 B119 B147 B152 C114 C803 E008 E011 E204 G202
G309 G901 H301 I311 I709 K815 N000

RODENTS
B159

RUNOFF
B150 C145 E212 L507

RURAL DEV. & PLANNING
B001 B101 B118 B123 B128 B133 B134 B138 B149 B158 C100
C102 C105 C109 C115 C128 C132 C145 C151 C158 C159 C166
C303 C401 C705 C804 C808 C818 E030 E207 E214 G209
G313 G321 G401 G500 H002 H201 I201 I300 I310 I312 I707
K900 K902 K915 L413 L416 L417 L505 L806 L909 M000 M002
M305 M306 M315 M411 M416 M502 M514 M813 M814 M900 M904
N003 N107 N110 N203 N211 N303 N403 N409 N412 N413 N416
N500

SALINE SOILS
B118 B152 C143 C821 E008 E032 E204 E220 E301 E400 E407
G201 G202 G203 G204 G405 H001 H002 H003 H005 I020 I313
K503 K804 K809 K814 K815 L600 M503 M514

SALINE WATER
B118 B150 C114 C151 C302 C401 I719 K315 K914 K918 L703
L806 M803 N100

SAND DUNES
B128 B171 C114 C203 C302 C303 C810 C822 E301 G100 G104
G201 G202 G206 G208 G900 G901 H002 H003 H005 H008 H009
H101 H102 H202 I303 K000 K001 K004 K006 K308 K310 K311
K607 K805 K821 L431 L602 L900 L905

SAND CONTROL
B134 B171 C114 C821 G100 G104 G201 G502 H008 K004 K005
K006 K804 L900 M600 N006

SAVANNAS
B114 B123 B141 B153 C100 C110 C115 C123 C144 C145 C163
C200 E301 G403 G502 H400 I207 I300 I301 K315

SEDIMENTS
C114 C150 C203 C206 E218 G501 G502 L400 L507 M301 N401
N416

SEEDS
B102 B118 B128 C300 G401 H102 I019 I020 I718 K407 L414
L902 M410 M411 M503

SEEPAGE
G319 K811

SETTLEMENTS
B158 C102 C114 C166 C808 C812 E201 E207 G209 G304 G313
G321 G800 I009 I201 I306 K317 K918 L413 M813 M904 N207
N208 N409 N412

SEWAGE TREATMENT
G304 G403 I016

SHEEP
C156 C157 C302 E048 E403 E408 H101 H200 I020 K407 K805
L000 M405 N411 N414

SHRUBS
B121 B165 E018 E408 G401 I018 I020 I729 K005 K320 L300
L503 L812

SILVICULTURE
K005 M303 M508

SOCIAL ASPECTS
B101 B109 B123 B138 B149 B158 C102 C115 C128 C151 C163
C706 C707 C808 C810 C818 E201 E211 E214 E403 G321 I729
I735 K300 K313 K503 K5055 K815 K900 K915 L600 L704 L806
M002 M306 M416 M904 N203 N206 N207 N215 N216 N219 N220
N500

SOIL AMENDMENT
B181 C105 I724 K701 M506 M516 N221

SOIL CHEMISTRY
E050 E211 E400 E403 G309 M305 M910

SOIL CLASSIFICATION
E403 E407 G203 G311 I713 I725 K207 K809 K910 L209 L211
L501 N400

SOIL DEGRADATION
B181 E503 H103 I007 I717 K203 K304 K804 K809 K907 K910
L400 N403

SOIL EROSION
B165 C119 C145 C150 C815 E407 G206 G501 K000 K404 K505
K819 L002 L211 L400 L411 L431 L705 M004 M902 N307 N401
N408

SOIL FERTILITY
B008 E050 G208 H003 I016 I021 I725 K503 K505 K809 K909
L403 M005

SOIL FORMATION
E407 G208

SOIL MANAGEMENT
B101 B107 B111 B118 B123 B130 B133 B146 B149 B155 B158
B160 B178 C110 C115 C132 C143 C144 C145 C159 C163 C166
C302 C705 E022 E214 E501 G208 G319 G401 I002 I007 I019
I021 I207 I303 I724 I725 I735 K005 K202 K400 K503 K504
K607 K701 K805 K815 K819 K902 K910 K914 K915 K918 L406
L411 L417 L431 L501 L704 L709 L900 L905 M004 M302 M604
M813 M905 M906 N002 N100 N206 N221 N305 N400 N405

SOIL MAPS
E022 E407 G405 H002 H101 I007 K001 K503 L211 N002

SOIL MICROBIOLOGY
C143 E050 K001 M508 M514

SOIL PHYSICS
B152 B171 C206 E050 E211 E300 G309 G501 I725 L211 M305

SOIL PROPERTIES
B171 C402 E050 E403 E407 E501 G501 H400

SOIL SCIENCE
B007 B008 B171 C145 C200 E010 E022 E048 E204 E501 G501
G901 H002 H003 H103 I002 I005 I007 I011 I725 I735 I737
I902 I904 K000 K004 K203 K404 K405 K412 K505 K701 L411
L414 L502 L600 M005 M303 M304 M800 N002 N304 N402

SOIL SURVEYS
C815 E407 G319 G401 G800 H002 H003 H005 H104 H201 I713
K308 K815 K910 L211 L411 L501 M410 M419 M905 N002 N300
N408

SOLAR ENERGY
B000 B119 B128 C120 C167 C708 E214 G304 G502 G903 H009
I300 I308 I709 K318 K502 L807 M315 N000

STREAMS
B158 G104 G403 I001 I300 I301 K315 K808 N416

TECHNOLOGY TRANSFER
B146 C300 C302 I303

TERRACING
B150 C206 I301 K811

TILLAGE
B178 G311 L805 N413

TRAINING & EDUC. IN ENV.
C163 C303 C810 C816 G500 H300 K005 K414 K916 L001 L426
L900 N218

TRAINING & EDUC. IN AGRIC.
B118 B137 B138 B149 B160 C115 C151 E025 E214 G203 G204
G505 H104 H106 I313 I719 I720 K300 K307 K309 K317 K505
L505 L704 L805 L806 M002 M300 M304 M308 M803 M905 N100
N219 N220 N412 N500

TRAINING & EDUC. IN ANIMALS
B159 C151 C157 G305 I729 I735 K407 L805 L806 M002
M803 M906 N302 N402

TRAINING & EDUC. IN LANDS
B118 B147 B165 C114 C206 G300 H101 H103 I717 I735 K306
K315 K404 K409 K503 K505 K916 L406 L428 L430 L431 L502
L507 L702 L801 L805 L806 M000 M300 M407 M419 M505 M508
M901 N105 N204 N209 N212 N215

TRAINING & EDUC. IN SOILS
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H101

WATER LOGGING
E407 L400

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G901 H400 K000 K207 K209 K504 K808 K902 K914 K918 L905
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WATER REUSE
B133 B153 E018 G304 G319 K806 N000

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B152 E026 G304 H301 K805 K8-6 K811 K814 L601

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B128 B150 C151 C163 M405 N416

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B150 E004 I019

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WATERSHED MANAGEMENT
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WEED CONTROL
C402 I021 K303 L408 L801 M411 M418

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B000 B128 B178 C151 C167 C708 I308 K318 K502 L807 M315
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CHAPTER III

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	F.R. Germany	116	C
	Italy	120	C
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	Spain	125	C
	Sweden	126	C
	Switzerland	127	C
	U. Kingdom	132	C
Asia and the Pacific			
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	India	171	E
	Japan	186	E
	Pakistan	189	E
	Thailand	196	E
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West Asia			
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	Iraq	200	G
	Israel	208	G
	Jordan	219	G
	Kuwait	223	G
	Lebanon	226	G
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	P.D. Yemen	228	G
	Qatar	229	G
	Saudi Arabia	233	H
	Syria	239	H
	Turkey	245	H
	U.A. Emirates	248	H
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REGION	COUNTRY	PAGE	CODE
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	Algeria	300	K
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	Chad	342	K
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	Egypt	353	K
	Ethiopia	364	K
	Gambia	375	L
	Ghana	-	L
	Guinea	379	L
	Guinea-Bissau	383	L
	Ivory Coast	560	N
	Kenya	384	L
	Lesotho	408	L
	Libya	415	L
	Madagascar	418	L
	Mali	425	L
	Mauritania	434	L
	Morocco	439	M
	Namibia	448	M
	Niger	449	M
	Nigeria	458	M
	Senegal	470	M
	Somalia	479	M
	Sudan	481	M
	Tanzania	495	M
	Tunisia	504	N
	Uganda	510	N
	Zambia	539	N
	Zimbabwe	544	N

CHAPTER IV

DESCRIPTION OF ORGANIZATIONS

Code:	B000
Name:	Brace Research Institute (BRI)
Address:	P.O. Box 900, Macdonald College, Ste. Anne de Bellevue Quebec H9X 1C0
Cable/Telex:	-/MCL SBLV 05-82 1788
Telephone:	(514) 457 6477, (514) 457 2000 ext. 255/272
Name of the Head of the Organ:	T.A. Lawand
Title:	Director
No. of Professionals:	
Main Internal Organization:	Director; Assistant Director; Professional and support staff and worldwide associates
Subject Areas of Concern:	Appropriate technology. Renewable energy. Water supply. Solar energy. Wind power
Specific activities being carried out:	Research and development in solar distillation, solar cookers and dryers, windmill power and biomass applications.
New activities planned:	Research and development in biomass briquetting from agro-wastes, improved woodstores, alcohol fuel production and use.
Publications:	Technical reports, pamphlets, fact sheets.
Sources of Support:	Trust fund administrated by McGill University, numerous research and development contracts, co-operation activities.
Fixed Experimental stations and their activities:	BRI Field Station, located on the McDonald College Campus: Demonstration, testing and monitoring research work.
Source of Information:	R

Code:	B001
Name:	Canadian Hunger Foundation
Address:	323, Capel Street, Ottawa, CANADA
Cable/Telex:	-/053-4880
Telephone:	(613) 237 01 80
Name of the Head of the Organ:	J. Laidlaw
Title:	Executive Director
No. of Professionals:	6
Main Internal Organization:	
Subject Areas of Concern:	Rural development and planning. Food supply. Agricultural products. Water resources. Appropriate technology.
Specific activities being carried out:	Programmes related to above subject areas in 18 countries of the south.
New activities planned:	
Publications:	Newsletter: "Thought for Food" (quarterly), handbook of appropriate technology.
Sources of Support:	Private donations, corporate donations, grants from government agencies.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	B002
Name:	IUAES Commission on Nomadic People
Address:	C/o Dept. of Anthropology, McGill University 855, Sherbrooke Street West, Montreal, Quebec H3A 2T7 CANADA
Cable/Telex:	
Telephone:	(514) 392 5181
Name of the Head of the Organ:	Mr. P.C. Salzman
Title:	Chairman
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Range management. Grasslands. Human health Pastoralism. Nomads.
Specific activities being carried out:	Establishment of regional groups or networks to carry out activities and projects focusing upon West Africa, East Africa and India on problems and current circumstances of the nomadic and pastoral people.
New activities planned:	
Publications:	"Nomadic People" journal. (published several times per year), proceedings of conferences.
Sources of Support:	IDRC and McGill University.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	B003
Name:	University of Alberta, Department of Geography
Address:	Edmonton, Alberta T6G 2H4 CANADA
Cable/Telex:	
Telephone:	403/470 06 06
Name of the Head of the Organ:	Dr. J. McPherson
Title:	Director
No. of Professionals:	5
Main Internal Organization:	
Subject Areas of Concern:	Drought. Arid lands. Water resources. Water management. Geography.
Specific activities being carried out:	Drought relief in Ogaden, Ethiopia and Darfur, Sudan; Emergency water programme in Ogaden.
New activities planned:	Water recovery programme in Darfur, West Sudan.
Publications:	
Sources of Support:	Government, United Nations, and Non-Governmental Organisations.
Fixed Experimental stations and their activities:	-
Source of Information:	R

Code:	B006
Name:	Inter-commission on the Application of Science to Agriculture, Forestry and Aquaculture
Address:	c/o IDRC, 60 Queen Street, Ottawa, K1G 3H9 CANADA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Dr. J.H. Hulse
Title:	President
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Drought.
Specific activities being carried out:	
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	B007
Name:	Agriculture Canada Research Station
Address:	Box 1030, Swift Current, Sask. S9H 3X2 CANADA
Cable/Telex:	
Telephone:	(306) 773 4621
Name of the Head of the Organ:	Dr. D.M. Bowden
Title:	Director
No. of Professionals:	35
Main Internal Organization:	Sections of: Cereals; Forage; Soils; Analysis and Engineering.
Subject Areas of Concern:	Water management. Saline water. Agricultural mechanization. Plant breeding. Agronomy. Forage production. Environmental effects. Dry farming. Arid lands management and development. Soil sciences. Crop production. Crop response.
Specific activities being carried out:	Equipment development; Breeding and agronomy of cereals and forages; Effects of environmental factors and water management related to dry land production. Cooperation with CIDA in projects in India, Pakistan and Brazil.
New activities planned:	Salinity research, prevention and restoration, semi-dwarf cereal varieties, water management.
Publications:	Annual report.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	Swift Current Research station.
Source of Information:	R

Code:	B008
Name:	Agriculture Canada, Range Research Station
Address:	3015 Ord Road, Kamloops, British Columbia V2B 8A9 CANADA
Cable/Telex:	
Telephone:	604-376-5565
Name of the Head of the Organ:	Dr. J.D. McElgunn
Title:	Director
No. of Professionals:	5
Main Internal Organization:	
Subject Areas of Concern:	Cattle. Animal production. Forage production. Range management. Soil science. Plant physiology. Ecology.
Specific activities being carried out:	Research on beef cattle production; Forage crop production; Range management; Soil sciences, Plant physiology; Ecology; Poisonous plants, Soil fertility.
New activities planned:	None.
Publications:	Scientific papers, technical bulletins and station reports.
Sources of Support:	Federal Government.
Fixed Experimental stations and their activities:	- Prince George experimental farm: Beef cattle production, forage crop production, soil research and soil fertility.
Source of Information:	R

Code:	B101
Name:	University of Arizona (The)
Address:	Nugent Building 40, Room 205A, Tucson, AZ 85721 U.S.A.
Cable/Telex:	-/910 952 1202 UACI DTUC
Telephone:	(602) 621 19 00
Name of the Head of the Organ:	Mr. H. Koffler
Title:	President
No. of Professionals:	
Main Internal Organization:	University departments, centres and laboratories, including those related to arid lands ie.: Arizona; Cooperative Wildlife Research Unit; Water Resources Research Centre; Office of Arid lands Studies; Laboratory of Tree-ring Research; Institute of Atmospheric Physics; Engineering Experiment Station; Department of Geography and Arizona Agricultural Experiment Station.
Subject Areas of Concern:	Water management. Hydrology. Irrigation. Arid lands management and development. Desert ecology. Desert plants. Desert animals. Dry farming. Ecosystems. Range management. Foods. Rural development and planning. Social aspects. Agriculture. Forestry. Drought tolerance. Plant breeding. Plant adaptation. Training and education in agric., lands, forests, soils and water.
Specific activities being carried out:	Development of water management technology; Breeding of heat and drought tolerant plants; Development of range management and arid lands farming systems.
New activities planned:	Introduction of biotechnology into plant breeding strategies.
Publications:	Scientific journals.
Sources of Support:	Government, foundations, private industry.
Fixed Experimental stations and their activities:	The College of Agriculture has 8 experimental stations: all activities focus on aspects of arid land agriculture, range and forestry management.
Source of Information:	R

Code:	B102
Name:	USDA-ARS, Forage and Range Research Crops Research Laboratory
Address:	Utah State University, UMC 63 Logan, UT 84322 U.S.A
Cable/Telex:	
Telephone:	(801) 750 2249
Name of the Head of the Organ:	Mr. N.J. Chatterton
Title:	Plant Physiologist - Research Leader
No. of Professionals:	11
Main Internal Organization:	
Subject Areas of Concern:	Grasses. Leguminosae. Rangelands. Plant Genetics. Nitrogen fixation. Plant physiology. Drought tolerance.
Specific activities being carried out:	Collection and development of improved range plant germplants through genetic, cytogenetic physiological, entomological and nematological research efforts.
New activities planned:	Seedling vigor, drought tolerance, nitrogen fixation on rangelands, insect and nematode resistant studies.
Publications:	Scientific journal articles, research reports.
Sources of Support:	Government and Utah State Agricultural Experiment Station
Fixed Experimental stations and their activities:	Co-operative efforts with the departments of Plant Science and Range Science and the Agricultural Experiment Station at Utah State University.
Source of Information:	R

Code:	B103
Name:	The Arizona-Sonora Desert Museum
Address:	Route 9, Box 900 Tucson Arizona 85743 U.S.A
Cable/Telex:	
Telephone:	(602) 883-1380
Name of the Head of the Organ:	Mr. D. Davis
Title:	Director
No. of Professionals:	18
Main Internal Organization:	Departments of Animals; Plants; Earth science and Education.
Subject Areas of Concern:	Soil conservation. Desert Animals. Flora. Water conservation. Environmental education. Parks and reserves.
Specific activities being carried out:	Environmental education to develop an appreciation and concern for arid lands. Co-operative programmes with other countries on advice for National parks.
New activities planned:	Expanding educational techniques in both classroom and field for a better understanding of arid land problems.
Publications:	"Sonorensis", quarterly , semi scientific.
Sources of Support:	Admission fees, membership fees, individual, corporate and foundation donations.
Fixed Experimental stations and their activities:	Use laboratory facilities of University of Arizona.
Source of Information:	R

Code:	B104
Name:	Laboratory of Climatology, Arizona State University
Address:	Tempe, Arizona 85287 U.S.A
Cable/Telex:	
Telephone:	1-602-965-6265
Name of the Head of the Organ:	Dr. A.J. Brazel
Title:	Director
No. of Professionals:	4
Main Internal Organization:	College of Liberal Arts.
Subject Areas of Concern:	Climatology. Desertification.
Specific activities being carried out:	Climatic aspects of desert regions and desertification problems.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	B105
Name:	Boyce Thompson Southwestern Arboretum
Address:	P.O. Box AB, Superior, Arizona 85273 U.S.A
Cable/Telex:	
Telephone:	(602) 689-2811, (602) 689 2723
Name of the Head of the Organ:	Dr. W.R. Feldman
Title:	Director
No. of Professionals:	6
Main Internal Organization:	Programmes of: Research; Education and Parks; Operated co-operatively by the University of Arizona, the Arizona State Parks Board and the Boyce Thompson Southwestern Arboretum, Inc. (the latter is a non-profit-making educational and scientific institution).
Subject Areas of Concern:	Plants. Horticulture. Plant studies. Plant uses, plant physiology. Leguminosae. Desert plants.
Specific activities being carried out:	Planting desert plants; Horticultural care of desert plants; Evaluation of desert plants; Discovery of uses of desert plants; Display of desert plants.
New activities planned:	Development of dry land plants with economic uses.
Publications:	"Desert Plants" journal.
Sources of Support:	Foundation trust, State of Arizona, sales of books, subscriptions, etc.
Fixed Experimental stations and their activities:	Itself.
Source of Information:	R

Code:	B107
Name:	Central Agricultural Research Center
Address:	Moccasin, Montana 59462 U.S.A.
Cable/Telex:	
Telephone:	406 423 5227
Name of the Head of the Organ:	G.D. Jackson
Title:	Superintendent
No. of Professionals:	2
Main Internal Organization:	
Subject Areas of Concern:	Dry farming. Agriculture.
Specific activities being carried out:	
New activities planned:	
Publications:	"Montana Agricultural Research" (periodical).
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	B109
Name:	Chihuahuan Desert Research Institute
Address:	Box 1334, Alpine Texas 79831 USA
Cable/Telex:	
Telephone:	(915) 837 8370
Name of the Head of the Organ:	Mr. D.J. Miller
Title:	Executive Director
No. of Professionals:	5
Main Internal Organization:	Board of Directors, Board of Scientists
Subject Areas of Concern:	Training and education. Desert ecology. Desert plants. Desert soils. Desert biome. Social aspects.
Specific activities being carried out:	Contract research, education, development of an interpretive centre.
New activities planned:	Publication, database.
Publications:	"Chihuahuan Desert Discovery" (bi-annual), "Chihuahuan Newsbriefs" (bi-annual), occasional scientific papers.
Sources of Support:	Private donations, trusts, foundations, investments, Government contracts.
Fixed Experimental stations and their activities:	3.3 miles of Fort Davis, Texas: Long and short range ecological studies.
Source of Information:	R

Code:	B110
Name:	Dept. of Range, Wildlife and Forestry
Address:	University of Nevada, 1000 Valley Rd., Reno, NV 89512 U.S.A.
Cable/Telex:	
Telephone:	(702) 784 40 00
Name of the Head of the Organ:	Dr. G.F. Gifford
Title:	Head, Dept. of Range, Wildlife and Forestry
No. of Professionals:	14
Main Internal Organization:	
Subject Areas of Concern:	Range management. Forestry. Wood management. Wildlife management. Watershed management. Training and education. Grazing.
Specific activities being carried out:	Research,teaching and extension activities in range management, forestry, wildlife and watershed management
New activities planned:	
Publications:	Journal papers, bulletins, symposium proceedings through the Nevada Agricultural Experimental Station.
Sources of Support:	Federal agencies and the Nevada Agricultural Experimental Station.
Fixed Experimental stations and their activities:	Gund Ranch: Grazing management and ranch management.
Source of Information:	R

Code:	B111
Name:	Consortium for International Development
Address:	5151 E. Broadway Blvd., Suite 1500, Tucson, AZ 85711-3766 U.S.A
Cable/Telex:	-/910952 1102 CIDCOR TUC
Telephone:	(602) 745 04 55
Name of the Head of the Organ:	Mr. J.L. Fisher
Title:	Executive Director
No. of Professionals:	8
Main Internal Organization:	11 universities in the arid and sub-humid region of USA
Subject Areas of Concern:	Arid lands management and development. Livestock. Agriculture.
Specific activities being carried out:	Agriculture and Range livestock in Africa and Middle East.
New activities planned:	
Publications:	"New Express" and occasional reports.
Sources of Support:	Government, contracts and grants.
Fixed Experimental stations and their activities:	Through university members.
Source of Information:	R

Code:	B114
Name:	Desert Research Institute, University of Nevada System
Address:	P.O. Box 60220, Reno, Nevada 89506 U.S.A
Cable/Telex:	
Telephone:	(702) 972 16 76
Name of the Head of the Organ:	Dr. G.M. Hidy
Title:	President
No. of Professionals:	150
Main Internal Organization:	Atmospheric sciences; Water resources; Biology; Social sciences and Energy systems.
Subject Areas of Concern:	Water Resources. Water supply. Water management. Plant physiology. Climate. Groundwater. Hydrology. Desert plants. Photosynthesis. Remote sensing. Water quality. River runoff.
Specific activities being carried out:	Ground water hydrology, snowfall augmentation, photosynthesis of desert plants, acid deposition, visibility degradation, desertification of lands and desert lakes.
New activities planned:	Climate change studies.
Publications:	Annual reports, scientific journals, newsletters.
Sources of Support:	Federal and State Governments, private sector support principally utility companies and mining industry.
Fixed Experimental stations and their activities:	Nevada state-wide field sites for a variety of programmes. Sites include Nevada Test Site, Sierra Nevada Mountain stations for remote sensing of precipitation chemistry, river runoff and water quality.
Source of Information:	R

Code:	B116
Name:	Dryland Research Institute University of California Riverside
Address:	Riverside, C.A 9252 USA
Telephone:	(714) 787 3785
Name of the Head of the Organ:	W.M. Jarrel
Title:	Director
No. of Professionals:	
Main Internal Organization:	Director and Advisory Board.
Subject Areas of Concern:	Arid lands management and development. Conservation. Crops. Irrigated soils. Natural resources. Ecosystems.
Specific Activities being carried out:	Assembling database of California personnel; Conducting research in arid and semi-arid systems.
New activities planned:	New crops in arid lands, study of irrigated ecosystems.
Publications:	Quarterly newsletter planned.
Sources of support:	University, Agricultural Experiment Stations.
Fixed Experimental stations and their activities:	Access to Univ. of California Agricultural Experiment Stations and Land and Water Reserves, covering a broad range of natural and agricultural ecosystems.
Source of Information:	R

Code:	B118
Name:	International Bank for Reconstruction and Development (IBRD/World Bank)
Address:	1818 H. Street, N.W. Washington, D.C. 20433 U.S.A.
Cable/Telex:	INTBAFRAD WASHINGTON/RCA 248423, ITT 440098, WUI 64145
Telephone:	(202) 477 12 34
Name of the Head of the Organ:	Mr. B. Conable
Title:	Director
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Migration. Rural development and planning. Agriculture. Livestock. Droughts. Water management. Water resources. Land reclamation. Floods. Saline soils. Appropriate technology. Ground water and hydrology. Training and education in agriculture. Land water. Saline waters. Animal production. Water supply. Arid land development. Crop production. Land use. Seeds. Forestry.
Specific activities being carried out:	97 projects related to arid and semi-arid lands have been carried out since 1977 up-to-date, among others: Integrated Rural Development in Afghanistan(1), Algeria(1), Burundi(1), Brazil (6), Chad(1), Nepal(1), Swaziland(1), Tanzania(3), Togo(2), Burkina Faso(3), and Mexico(4). Agricultural Development in Afghanistan (1), Ethiopia (4), Ghana(1), Mali(1), Morocco(2), Nepal(1), Nigeria(2), Pakistan(1), Senegal(2), Sudan(3), Burkina Faso(3), Yemen A.R.(2), People's D.R. Yemen(2) Mexico(3). Livestock development in Bolivia (2), Bostwana(1), Chad(2)., Ethiopia(1), Ghana(1), Mali(2), Pakistan(1), Senegal(1), Somalia(1), Tanzania(2), Burkina Faso(1), and Yemen A.R.(1); Drought and flood control in Bangladesh; Drought and Rehabilitation in Somalia, Chad(1), Senegal(1), Ethiopia (1), and Niger; Forestry in Kenya and Niger; Salinity control and land reclamation in Pakistan.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(6)

Code:	B119
Name:	Environmental Research Laboratory, Universty of Arizona
Address:	2601 E. Airport Drive, Tucson. AZ 85706 U.S.A
Cable/Telex:	165580 ERLAB TUC/-
Telephone:	(602) 621 79 62
Name of the Head of the Organ:	Mr. C.N. Hodges
Title:	Director
No. of Professionals:	35
Main Internal Organization:	
Subject Areas of Concern:	Energy. Water resources. Controlled environments Aguaculture. Solar Energy. Forage production. Foods. Saline water. Irrigation practices. Irrigated agriculture.
Specific activities being carried out:	Research and development on vegetable greenhouse and aquaculture production systems. Sea water irrigation for the production of forage and food for man and animals. Solar energy.
New activities planned:	Food systems for drought stricken communities of Africa and the application of new appropriate food production systems in less developed countries.
Publications:	Research papers.
Sources of Support:	
Fixed Experimental stations and their activities:	- Tucson, AZ: HQ. - Hawaii: Aquaculture and seawater irrigation; - Penasco, Mexico: Aquaculture and seawater irrigation; - Sharjah, UAE: Seawater irrigation.
Source of Information:	R

Code:	B121
Name:	USDA-Forest Service Intermountain
Address:	Research Station Shrub Sciences Lab., 735 N 500E, Provo, Utah 84601 U.S.A.
Cable/Telex:	
Telephone:	(801) 379 55 00
Name of the Head of the Organ:	E.D. McArthur
Title:	Project Leader
No. of Professionals:	11
Main Internal Organization:	
Subject Areas of Concern:	Plant breeding. Planting management. Shrubs. Plants. Plant nutrition. Vegetation. Grazing. Plant adaptation.
Specific activities being carried out:	Plant selection and breeding; Nutritive quality assessment; Planting and propagation techniques.
New activities planned:	
Publications:	Station publications, journal outlets.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Great Basin Experimental Range: Species adaptation, revegetation techniques; - Desert Experimental Range: Grazing systems.
Source of Information:	R

Code:	B123
Name:	International Center for Arid and Semi-arid Studies (The), Texas Tec. University
Address:	P.O. Box 4620,Lubbock, Texas 79409 U.S.A
Cable/Telex:	-/ TWX No.9108964398
Telephone:	(806) 742 2218
Name of the Head of the Organ:	Dr. I.R. Traylor
Title:	Director
No. of Professionals:	6
Main Internal Organization:	Director; Deputy Director; Special Projects Coordinator; Student Adviser; Special Consultants and Information Specialist.
Subject Areas of Concern:	Water resources. Rural development and planning. Social aspects. Arid lands management and development. Agriculture. Remote sensing.
Specific activities being carried out:	On-going research in various projects related to arid lands, funded by various sources; work with USAID projects in Guatemala, Senegal, Pakistan.
New activities planned:	Native American Peoples Symposium, design of housing and other dwellings, publication of bibliography of arid lands - 2nd edition.
Publications:	"ICASALS Newsletter", "AALS News","Arid Lands and Plant Resources Newsletter", annual report, monographs.
Sources of Support:	Title XII Stengthening Grant, Moody Foundation, State of Texas, private donations, Shell Co. Foundation.
Fixed Experimental stations and their activities:	- Remote Sensing Unit; Water Resources Centre.
Source of Information:	R

Code:	B127
Name:	National Resource Ecology Laboratory, Colorado State University
Address:	Ft. Collins, Colorado 80523 U.S.A.
Cable/Telex:	
Telephone:	303 491 5571
Name of the Head of the Organ:	Dr. R. Woodmansee
Title:	Director
No. of Professionals:	17
Main Internal Organization:	
Subject Areas of Concern:	Pastoralism. Nomads. Grasslands. Ecosystems. Climatology. Biomes. Ecology. Vegetation.
Specific activities being carried out:	Long-term ecological research programmes; Central clearing house for National Atmospheric Deposition programme; South Turkana ecosystem project (Kenya).
New activities planned:	Participation in international Geosphere and Biosphere programme, ecosystem changes, phosphorus cycling in Brazilian tropical forests.
Publications:	In open referred literature.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	Central Plains Experimental Range: primary international biome grassland research site for long-term ecological research.
Source of Information:	R

Code:	B128
Name:	United Nations Sudano-Sahelian Office (UNSO/UNDP)
Address:	One United Nations Plaza, New York, N.Y. 10017 U.S.A.
Cable/Telex:	UNDEVPRO NEWYORK/125980, 236286, 422862
Telephone:	906 50 00
Name of the Head of the Organ:	Mr. B. Borna
Title:	Director
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Afforestation. Ground water. Desertification control. Soil manag.. Water conserv.. Pastures. Seeds. Fertilizers. Appropriate tech.. Forestry. Rangelands. Arid land manag. and dev.. Solar energy. Animal health. Reservoirs. Water sources. Sand dunes. Irrigation. Fisheries. Fuelwood. Pastoralism. Planting management.
Specific activities being carried out:	Exploration and manag. of ground water resources and utilization of wind energy in Cape Verde; Pilot project to develop natural resources and combat desertification in Djibouti, Dissemination of improved fuel efficient stoves in Gambia; Industrial and village plantation schemes in the Gao Region of Mali; Prog. of agro-sulvo-pastoral dev. of the Niger river flood plain in Mali; Creation of a brigade for the construction or rehabilitation of 21 earth dams in Mauritania; Setting up small irrigated tracks around 36 pumping stations in Mauritania; Establ. of a greenbelt around the city of Tahona in Niger; Protection and dev. of forest resources in Cosamance Region, Senegal; Manag. and protection of underground water resources in Senegal; Dev. of new and renewable sources of energy in Senegal; Intensification of ongoing sand dune fixation activities; Creation of fuelwood plantation; Species trials for rainfed fuelwood plantations in Somalia; Restocking of the gum belt; Manag. of grazing resources in Sudan; Creation of family woodlots in the region of Koudogou; Forestry in Sapone region of Burkina Faso.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(6)

Code:	B130
Name:	New Mexico State University
Address:	Las Cruces, New Mexico 88003 U.S.A
Cable/Telex:	
Telephone:	(505) 646-20 35
Name of the Head of the Organ:	Dr. J. Halligan
Title:	President
No. of Professionals:	Over 400 faculty members
Main Internal Organization:	Colleges of Arts, Sciences and Agriculture.
Subject Areas of Concern:	Grazing. Land management. Ecology. Range management. Arid lands management and development. Livestock.
Specific activities being carried out:	Research on the ecology and management of arid and semi-arid rangelands.
New activities planned:	
Publications:	Research reports and bulletins.
Sources of Support:	State, Federal and grant funds.
Fixed Experimental stations and their activities:	Main agricultural station; Branch stations and Range-livestock near Las Cruces and Fort Station in New Mexico.
Source of Information:	R

Code:	B133
Name:	Office of Arid Lands Studies, University of Arizona
Address:	845, North Park Ave., Tucson, AZ 85719 U.S.A.
Cable/Telex:	ARIDLANDS/910 95 21143
Telephone:	(602) 621 1955
Name of the Head of the Organ:	Dr. K.E. Foster
Title:	Director
No. of Professionals:	25
Main Internal Organization:	Arizona Remote Sensing Centre; Bioresources Research Facility; Arid Lands Information Centre; Desert Agriculture.
Subject Areas of Concern:	Remote sensing. Desert plants agriculture. Rural development and planning. Desertification control. Crop response. Information. Water harvesting. Water conservation. Water reuse. Runoff. Landscapes.
Specific activities being carried out:	Plant screening; Water harvesting; Urban water conservation; Wastewater reuse; Industrial resins from desert plants.
New activities planned:	Water hyacinth waste water treatment, urban water conservation, research on gray water reuse, rooftop runoff, desert landscaping, geographic information systems, image processing.
Publications:	"Arid Lands Newsletter", technical reports, monographs.
Sources of Support:	Government, foundations, private industry, international organizations.
Fixed Experimental stations and their activities:	- 20 acre bioresources facility site for plant screening and laboratory analysis.
Source of Information:	R

Code:	B134
Name:	U.N. Department of Technical Co-operation for Development (UN/DTCD)
Address:	One United Nations Plaza, New York, N.Y. 10017 U.S.A.
Cable/Telex:	UNATIONS NEW YORK/232422, 420544, 82731, 62950.
Telephone:	754 12 34
Name of the Head of the Organ:	Mr. B. Jilong
Title:	Under-Secretary-General
No. of Professionals:	
Main Internal Organization:	Divisions of: Natural resources and energy; Policy programming and development planning; Programme support and development; Administration.
Subject Areas of Concern:	Water resources. Water management. Ground water. Rural development and planning. Sand control. Oases.
Specific activities being carried out:	Surface water resources in Bangladesh; Artificial recharge studies in Mahsana and Coastal Saurashtre areas in India; Development of water resources management in Sierra Leone; Ground water development in rural areas in Niger; Creation of oases along salt caravan route in Mali.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(6)

Code:	B135
Name:	United States Peace Corps Office of Forestry/Natural Resources
Address:	806 Connecticut Ave., NWM-701, Washington, D.C. 20526 U.S.A
Cable/Telex:	
Telephone:	(202) 254-8400
Name of the Head of the Organ:	S. Mahaffey
Title:	Natural Resources Sector Specialist
No. of Professionals:	2
Main Internal Organization:	
Subject Areas of Concern:	Reforestation. Forests. Natural Resources. Sand dunes. Wildlife management. Agroforestry. Range management
Specific activities being carried out:	Volunteers stationed worldwide (57 countries) dealing with the above areas of concern and passing on their own knowledge and skills to host country counterparts.
New activities planned:	Increasing concentration in the areas of Asia and the South Pacific as well as worldwide PL480 food for work/forestry initiative.
Publications:	Training manuals on a country-specific or project-specific basis, compilations from various workshops held while volunteers are at their project sites.
Sources of Support:	Government funds and grants, inter-agency agreements with other government entities, from accepting assistance/working in conjunction with private voluntary organisations.
Fixed Experimental stations and their activities:	Fixed only so far as being in countries where Peace Corps operates.
Source of Information:	R

Code:	B136
Name:	Boyd Deep Canyon Desert Research Center University of California
Address:	P.O. Box 1738, Palm Desert, CA 92261 U.S.A.
Cable/Telex:	
Telephone:	(619) 341 36 55
Name of the Head of the Organ:	A. Muth
Title:	Resident Director
No. of Professionals:	4
Main Internal Organization:	Director; Staff biologist; Administration; Assistance and maintenance.
Subject Areas of Concern:	Ecology. Desert ecology. Desert animals. Desert grasslands. Desert plants. Desert soils. Drought tolerance. Fauna surveys.
Specific activities being carried out:	More than 50 projects by researchers from universities throughout the United States.
New activities planned:	
Publications:	Transet surveys, species lists, books.
Sources of Support:	State of California, University of California at Riverside.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	B137
Name:	Plant Sciences Dept., University of Arizona
Address:	Tucson, AZ 85721 U.S.A
Cable/Telex:	
Telephone:	(602) 621 19 77
Name of the Head of the Organ:	Dr. B. Brooks-Taylor
Title:	Head
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Horticulture. Plant Genetics. Crop production. Training and education. Crop response. Drought tolerance.
Specific activities being carried out:	Cytogenetics; Culture of cotton, alfalfa, wheat barley; New crop development; Plant agriculture in areas of limited water; Instruction and extension.
New activities planned:	
Publications:	Journal articles, extension bulletins.
Sources of Support:	Various.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	B138
Name:	Program for International Development, Clark Univ.,
Address:	950 Main Street, Worcester, MA 01610 U.S.A.
Cable/Telex:	CENTED/951829 CENTED WOR
Telephone:	(617) 793 72 01
Name of the Head of the Organ:	(a) Ms. B. Thomas (b) Mr. R. Ford
Title:	(a) Director, I.D. Teaching (b) Director, I.D. Research
No. of Professionals:	12
Main Internal Organization:	Teaching and Research programmes.
Subject Areas of Concern:	Training and education. Rural development and planning. Ecology. Economics. Economic development. Environmental impact. Social aspects. Arid land management and development.
Specific activities being carried out:	Resource management training programmes in the U.S. and overseas; Environmental information systems; Local level resource management and development planning.
New activities planned:	Research programme to examine the relationships between rural economics and ecology with reference to devising development policy.
Publications:	Large number of monographs and reports on topics related to desertification.
Sources of Support:	Contracts and grants from Government agencies, training funds, foundation support.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	B139
Name:	National Audubon Society, Research Ranch Sanctuary
Address:	P.O. Box 44, Elgin, Arizona 85611, U.S.A.
Cable/Telex:	
Telephone:	(602) 455 55 22
Name of the Head of the Organ:	Dr. M.R. Stromberg
Title:	Manager
No. of Professionals:	1
Main Internal Organization:	
Subject Areas of Concern:	Grazing. Overgrazing. Fauna surveys. Plant studies. Vegetation. Wildlife. Grasslands.
Specific activities being carried out:	Research on natural undisturbed flora and fauna; Comparative studies of biology in relation to adjacent grazed ecosystems.
New activities planned:	Intensive monitoring of Antilocapra americana herds; Study of prescribed burning on vegetation, wildlife.
Publications:	Reports.
Sources of Support:	Whihell Trust, Government and private donors.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	B141
Name:	USDA-Agricultural Research Service, Watershed Center
Address:	2000 E. Allen Rd., Tucson, Arizona 85719 U.S.A
Cable/Telex:	
Telephone:	(602) 629 63 81
Name of the Head of the Organ:	Dr. K.G. Renard and Dr. D.A. Woolhiser
Title:	Research leaders
No. of Professionals:	6
Main Internal Organization:	
Subject Areas of Concern:	Land use. Water resources. Plant distribution. rangelands.
Specific activities being carried out:	Simulation model development to facilitate the transfer of technology developed on research areas, to other less intensively instrumented areas.
New activities planned:	
Publications:	USDA series, technical papers through professional journals concerned with water resources, soil resources and range management.
Sources of Support:	US Department of Agriculture.
Fixed Experimental stations and their activities:	At Santa Rita Range and Walnut Gulch, Arizona: Watershed experiments.
Source of Information:	R

Code:	B146
Name:	Agricultural Research Service, USDA
Address:	Rm. 125, Bldg 005, BARC-West Beltsville, MD 20705 U.S.A.
Cable/Telex:	
Telephone:	(301) 344 3084
Name of the Head of the Organ:	Dr. T.B. Kinney, Jr.
Title:	Administrator
No. of Professionals:	2590
Main Internal Organization:	
Subject Areas of Concern:	Natural resources. Animal production. Plant nutrition. Agricultural products. Cultivation systems. Crop production. Technology transfer. Plant breeding. Agriculture. Productivity.
Specific activities being carried out:	Research; Basic and applied and technology transfer.
New activities planned:	Research programmes are dynamic and are updated annually.
Publications:	Most research is reported in scientific and technical professional journals, an annual report is prepared for the U.S. Congress.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	ARS scientists are stationed at 148 locations in working groups that range in size from one to 450 scientists.
Source of Information:	R

Code:	B147
Name:	Engineering and Research Center Bureau of Reclamation
Address:	P.O. Box 25007, Denver, CO 80225-0007 U.S.A.
Cable/Telex:	
Telephone:	(303) 236 80 90
Name of the Head of the Organ:	D.W. Webber
Title:	Assistant Commissioner
No. of Professionals:	1100
Main Internal Organization:	
Subject Areas of Concern:	Water resources. Irrigation programmes. Energy. Hydrology. Fluvial process. Reservoirs. Water engineering. Water management. Water quality. Water utilization. Water conservation. Saline water. Climatology.
Specific activities being carried out:	Hydraulic structures, design, development and construction; Weather modification programmes; dam safety programme.
New activities planned:	Research and development to support construction programme.
Publications:	Annual reports, project reports, engineering manuals and tables, engineering monographs, research reports.
Sources of Support:	Federal appropriations, revenue generated from sale of water and hydropower, cost sharing with states and water districts.
Fixed Experimental stations and their activities:	- USER hydraulic and materials laboratory.
Source of Information:	R

Code:	B149
Name:	U.S. Department of Agriculture - OICD
Address:	Rm 4405 - Auditors Bldg., Washington, D.C. 20250 U.S.A.
Cable/Telex:	AGRIWASH 89491/-
Telephone:	AC (202) 475 53 95
Name of the Head of the Organ:	Dr. J.S. Wallace
Title:	Administrator
No. of Professionals:	70
Main Internal Organization:	Divisions of: Technical assistance and International Training.
Subject Areas of Concern:	Rural development and planning. Training and education. Agriculture. Livestock. Soil management and conservation. Forestry. Water management. Appropriate technology. Economic development. Social aspects.
Specific activities being carried out:	Approximately 1000 technical assistance activities in developing countries in 1984, and almost 2000 foreign participants enrolled in training activities.
New activities planned:	Work with middle-income-level countries to develop training programmes, assist in development of a marketing workshop in Africa.
Publications:	Annual summaries, training newsletters, and periodical reports.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	B150
Name:	Water Resources Division, U.S. Geological Survey.
Address:	470 National Center, Reston, Virginia 22092 U.S.A
Cable/Telex:	-/89-9153
Telephone:	(703) 860 65 48
Name of the Head of the Organ:	Mr. P. Cohen
Title:	Chief Hydrologist
No. of Professionals:	2000
Main Internal Organization:	Regions: Northeastern; Southeastern; Central; Western contact: Office of International Hydrology.
Subject Areas of Concern:	Surface waters. Geochemistry. Ground water. Geomorphology. Water chemistry. Ecology. Water quality. Streams. Water table. Water pollution. Aquifers. Watersheds. Training and education. Mapping and cartography.
Specific activities being carried out:	Collection of data on a systematic basis to determine the quality, quantity and use of surface and ground water; Conduction of interpretive water resource appraisals to describe the consequences of alternative plans for developing land and water resources; Conduction basis and problem-oriented research in hydraulics, hydrology, and related fields; Development of information on water-related natural hazards such as floods, landslides, volcanoes, mudflows and land subsidence; Co-ordination of activities of all Federal agencies in the acquisition of water data; Dissemination of information through reports, maps, etc.; Provision of scientific and technical assistance in the hydrologic field to other Federal agencies, State, local and international agencies on behalf of US Department of State.
New activities planned:	Constantly changing in response to needs and support provided.
Publications:	US Geological Survey publications series and a variety of journals.
Sources of Support:	Federal and State Government.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	B152
Name:	U.S. Salinity Laboratory (USSL)
Address:	4500 Glenwood Drive, Riverside, CA 92501 U.S.A.
Cable/Telex:	
Telephone:	(714) 683 01 70
Name of the Head of the Organ:	K.H. Solomon
Title:	Acting Director
No. of Professionals:	16
Main Internal Organization:	
Subject Areas of Concern:	Soil physics. Saline waters. Saline soils. Irrigation. Agricultural engineering. Water requirements in crops. Water salinization. Water analysis. Plant studies. Irrigation effects. Plant production.
Specific activities being carried out:	Agricultural engineering for control of the effects of salts in irrigation waters, soils and plants on crop production.
New activities planned:	
Publications:	Technical reports (occasional), journal articles.
Sources of Support:	U.S. Government.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	B153
Name:	USDA-ARS. US Water Conservation Laboratory
Address:	4331, East Broadway Rd., Phoenix, AZ 85040 U.S.A
Cable/Telex:	
Telephone:	(602) 261 4356
Name of the Head of the Organ:	Dr. H. Bouwer
Title:	Laboratory Director
No. of Professionals:	20
Main Internal Organization:	
Subject Areas of Concern:	Water resources. Water utilization. Irrigation systems. Remote sensing. Ground water. Water reuse. Water requirements in crops. Sewage treatment.
Specific activities being carried out:	Effect of agriculture on groundwater; Use of sewage effluents for irrigation; Effects of increasing carbon dioxide levels in the atmosphere on yield and water requirements of crops.
New activities planned:	
Publications:	Reports published in professional and popular journals.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Maricopa Agricultural Center; - Yuma Experiment Station in Co-operation with University of Arizona.
Source of Information:	R

Code:	B155
Name:	Volunteers in Technical Assistance
Address:	1815 North Lynn Str., Suite 200, Arlington, VA 22209 U.S.A
Cable/Telex:	VITAINC/440192 VITAVI
Telephone:	(703) 276 1800
Name of the Head of the Organ:	Mr. H. Norman
Title:	Executive Director
No. of Professionals:	26
Main Internal Organization:	
Subject Areas of Concern:	Energy. Agriculture. Water utilization. Water conservation. Water supply. Health.
Specific activities being carried out:	Technical assistance.
New activities planned:	
Publications:	
Sources of Support:	Government, foundations, international organizations. individual contributions.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	B158
Name:	Africare
Address:	1601 Connecticut Ave., NW Washington, D.C. 20009 U.S.A.
Cable/Telex:	-/65239
Telephone:	(202) 462 3614
Name of the Head of the Organ:	C.P. Lucas
Title:	Executive Director
No. of Professionals:	50
Main Internal Organization:	
Subject Areas of Concern:	Rural development and planning. Agriculture. Water resources. Water allocation. Water management. Water storage. Water supply. Human health. Migrations. Settlements. Social aspects. Drought. Natural resources. Forestry. Food supply. Food conservation. Fuelwood. Agriculture. Livestock.
Specific activities being carried out:	More than 100 small and large rural development projects in 18 African countries.
New activities planned:	Expansion of ongoing activities.
Publications:	Annual report, periodicals, newsletter.
Sources of Support:	Private sources of support include church organizations, foundations, corporations, individual members and USAID.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	B159
Name:	Winrock International Livestock Research and Training Center
Address:	Route 3, Morrilton, AR 72110 U.S.A.
Cable/Telex:	310-720-6616
Telephone:	(501) 727 54 35
Name of the Head of the Organ:	N.S. Raun
Title:	Acting President
No. of Professionals:	44
Main Internal Organization:	
Subject Areas of Concern:	Livestock. Animal production. Training and education. Agricultural production. Agroforestry
Specific activities being carried out:	Providing technical assistance to US and overseas institutions for their agricultural research training, production and development programmes.
New activities planned:	Agroforestry.
Publications:	Books, proceedings, bulletins, reports, technical notes, leaflets, newsletters, annual reports, journal articles.
Sources of Support:	USAID, USDA, FAO, Winthrop Rockefeller Foundation.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	B160
Name:	Institute for Dryland Development, University of Oklahoma
Address:	455 W. Lindsey, Suite 804 Norman, OK 73019 U.S.A.
Cable/Telex:	
Telephone:	(405) 325 65 42 or 52 35
Name of the Head of the Organ:	H.J. Spaeth
Title:	Director
No. of Professionals:	40
Main Internal Organization:	
Subject Areas of Concern:	Rural development and planning. Agriculture. Ecology. Human factor studies. Natural resources. Arid land development.
Specific activities being carried out:	Feasibility studies, project evaluation, basic and applied research, teaching an exchange programmes on natural and human resources assessment and management in global drylands.
New activities planned:	
Publications:	Newsletter, monographs.
Sources of Support:	Government, foundation and endowment fund grants..
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	B161
Name:	Desert Tortoise Council (The)
Address:	5319 Cerritos Ave., Long Beach, CA 90805 U.S.A.
Cable/Telex:	
Telephone:	(213) 422 61 72
Name of the Head of the Organ:	Mr. D. Pearson
Title:	Co-Chairperson
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Deserts. Desert biome. Ecology. Ecosystems.
Specific activities being carried out:	To assure the continued survival of viable populations of the desert tortoise, Gophesces agassizi, throughout its existing range.
New activities planned:	
Publications:	Proceedings of symposia.
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	B163
Name:	Jornada Long Term Ecological Research Unit, Dept. of Biology, N.M.S.U.
Address:	Box 3AF, N.M.S.U Las Cruces, NM 88003 U.S.A.
Cable/Telex:	
Telephone:	(505) 646 3921
Name of the Head of the Organ:	W.G. Whitford
Title:	Professor
No. of Professionals:	12
Main Internal Organization:	Research Unit
Subject Areas of Concern:	Ecosystems. Desert ecology. Vegetation. Nitrogen fixation. Climatology. Climate-vegetal relationships. Animal populations.
Specific activities being carried out:	Studies of primary production; Decomposition; Nitrogen cycling; Herbivore populations; Climatic variables; Rhizosphere processes.
New activities planned:	
Publications:	Scientific reports, monographs.
Sources of Support:	U.S. National Science Foundation.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	B165
Name:	Dept. of Animal and Range Science, New Mexico State University
Address:	Box 3-I, Las Cruces, New Mexico 88003 U.S.A
Cable/Telex:	
Telephone:	(505) 646 25 15
Name of the Head of the Organ:	A.B. Nelson
Title:	Department Head
No. of Professionals:	37
Main Internal Organization:	
Subject Areas of Concern:	Grasslands. Livestock. Grazing. Hydrology. Rangeland. Soil-water movement. Soil erosion. Shrubs. Grasses. Vegetation.
Specific activities being carried out:	Research on brush management, hydrologic processes and erosion on rangeland; Evaluation of long-term exclosures to determine grazing impact.
New activities planned:	Research on the role of defoliation in vegetation changes on desert rangelands.
Publications:	
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- College Ranch (64000 acres); - Ft Stanton Experiment Ranch (26000 acres).
Source of Information:	R

Code:	B171
Name:	Dept of Range and Wildlife Management, Texas Tech. University
Address:	Lubbock, Texas 79409 U.S.A.
Cable/Telex:	
Telephone:	(806) 742 28 41
Name of the Head of the Organ:	Dr. A.A. Wright
Title:	Chairperson
No. of Professionals:	14
Main Internal Organization:	
Subject Areas of Concern:	Overgrazing. Sand dunes. Vegetation. Sands. Desertification control.
Specific activities being carried out:	Research in wind tunnel surface roughness and other tests on differentially used deep sand type soils in western Texas.
New activities planned:	Research canopy reflectance and develop models of this ecosystem if funds are available.
Publications:	In-progress.
Sources of Support:	USDA Special project on anti-desertification.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	B178
Name:	USDA Conservation and Production Research Laboratory.
Address:	P.O. Drawer 10, Bushland, Texas 79012 U.S.A.
Cable/Telex:	
Telephone:	(806) 37 85 57 24
Name of the Head of the Organ:	Dr. B.A. Stewart
Title:	Laboratory Director
No. of Professionals:	16
Main Internal Organization:	Three research units.
Subject Areas of Concern:	Soil management. Water management. Irrigation. Crop production. Dry farming. Tillage. Wind power.
Specific activities being carried out:	Research on irrigation, dryland, tillage; Conservation tillage, wind powered irrigation, sun-flower, grain, sorghum, wheat.
New activities planned:	
Publications:	Research results in scientific journals, bulletins, proceedings.
Sources of Support:	US Department of Agriculture.
Fixed Experimental stations and their activities:	Itself.
Source of Information:	R

Code:	B181
Name:	Institute for Rehabilitation of Drastically Disturbed Lands - Utah State University
Address:	Range Science Dept., Utah State University, Logan, UT 84322 U.S.A.
Cable/Telex:	
Telephone:	(801) 750 24 77
Name of the Head of the Organ:	Dr. E. Allen
Title:	Co- Director
No. of Professionals:	25 Collaborators
Main Internal Organization:	Collaborators drawn from regular academic departments.
Subject Areas of Concern:	Vegetation. Arid lands. Environmental effects. Soil degradation. Land reclamation. Land degradation. Soil amendment.
Specific activities being carried out:	Several rehabilitation projects on coal strip mines in the Intermountain West.
New activities planned:	
Publications:	None.
Sources of Support:	Government and industry.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	C100
Name:	HYDRO M.
Address:	39, rue Croix-Bargnon 31000 Toulouse FRANCE
Cable/Telex:	-/ ITAMP S30 955 FC 01
Telephone:	(61) 86 81 88
Name of the Head of the Organ:	Dr. M. Mustin
Title:	Directeur
No. of Professionals:	4
Main Internal Organization:	Société Coopérative.
Subject Areas of Concern:	Water. Environment. Rural development and planning. Aquaculture. Water quality.
Specific activities being carried out:	Rural development and agriculture; Water treatment in France, Morocco, Congo and Tunisia.
New activities planned:	
Publications:	"Energie et Environnement".
Sources of Support:	Government, international organizations.
Fixed Experimental stations and their activities:	Le Teoula experimental station.
Source of Information:	R

Code:	C102
Name:	Centre d'Etudes de Géographie Tropicale (CNRS)
Address:	Domaine Universitaire 33405, Talence Cedex FRANCE
Cable/Telex:	
Telephone:	80 60 00
Name of the Head of the Organ:	P. Usselmann
Title:	Directeur de Recherche CNRS
No. of Professionals:	45
Main Internal Organization:	
Subject Areas of Concern:	Rural development and planning. Urban planning. Geography. Settlements. Landscapes. Social aspects. Mapping and cartography. Food supply. Human health.
Specific activities being carried out:	Evolution of landscapes; Medical geography in Burkina-Faso; Preparation of a schistosomiasys World Atlas; Geopolitical studies of the Caribbean region; Preparation of an Atlas of Haiti; Research in urban-perimeters in West-Africa; Urban growth courses and food strategies in Latin America and West Africa.
New activities planned:	
Publications:	"Travaux et Documents du CEGET" series (52 issues up-to-date).
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	C105
Name:	Centre d'Etude et d'Experimentation du Machinisme Agricole Tropical (CEEMAT)
Address:	Parc de Tourvoie 92160 Antony FRANCE
Cable/Telex:	-/201-296F
Telephone:	(1) 668 61 02
Name of the Head of the Organ:	Bernard Cheze
Title:	Ingenieur du Génie Rural
No. of Professionals:	20
Main Internal Organization:	
Subject Areas of Concern:	Animal work. Agricultural mechanization. Food conservation. Energy (renewable). Soil amendment. Rural development and planning.
Specific activities being carried out:	Experimenting in soil amendments in Burkina-Faso and Northeastern Brazil.
New activities planned:	Design and construction of simple equipment used in animal traction and motorization in rural areas.
Publications:	Machinisme Agricole Tropical (quarterly), newsletter.
Sources of Support:	Government, contracts, agreements.
Fixed Experimental stations and their activities:	- CPATSA at Petrolicia (Northeastern Brazil). Preparation of equipment for animal traction to be used in agricultural work.
Source of Information:	R

Code:	C108
Name:	CNRS Laboratoire d'Information et de Documentation en Géographie - INTERGEO
Address:	191, rue Saint-Jacques 75005 Paris FRANCE
Cable/Telex:	
Telephone:	(633) 74 31, 329 79 93
Name of the Head of the Organ:	P.A. Pirazzoli
Title:	Chargé de Recherche au CNRS
No. of Professionals:	4
Main Internal Organization:	
Subject Areas of Concern:	Geography. Desertification. Mapping and Cartography.
Specific activities being carried out:	Bibliographic data base on geographical information including reports, congress proceedings and maps.
New activities planned:	
Publications:	"Bibliographic Geographique Internationale, "Intergeo-bulletin", "Lettre d' Intergeo", French geographic reports.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	C109
Name:	Ecothèque Mediterranéènne Centre L'Emberger/CNRS
Address:	CNRS B.P. 5051 34033 Montpellier Cedex FRANCE
Cable/Telex:	-/Telex 490888 F93
Telephone:	(67) 63 91 30
Name of the Head of the Organ:	Dr. G. Long
Title:	Sous-Directeur
No. of Professionals:	4
Main Internal Organization:	Scientific section of Centre L'Emberger
Subject Areas of Concern:	Ecology. Economic development. Rural development and planning. Arid land management and development.
Specific activities being carried out:	Co-operation in a REMDENE project in Egypt with the University of Alexandria. Programme for the arid zones of Chile.
New activities planned:	Discussion to establish a co-operation programme concerning the arid zones of Baja California in Mexico.
Publications:	Annual activity report.
Sources of Support:	French Government. UNESCO. National institutes from Egypt and Chile.
Fixed Experimental stations and their activities:	- El Omayad in Egypt (in co-operation with the University of Alexandria); - Las Cardas in Chile (in co-operation with Centro de las Zonas Aridas de Serena, Chile).
Source of Information:	R

Code:	C110
Name:	Centre Technique Forestier Tropical
Address:	45 Bis, Avenue de la Belle Gabrielle 94130 Nogent sur Marne FRANCE
Cable/Telex:	-/CETEFO 211085 F
Telephone:	(1) 873 32 95
Name of the Head of the Organ:	F. Cailliez
Title:	Directeur
No. of Professionals:	85
Main Internal Organization:	Direction des Recherches Forestières et Piscicoles; Direction de Recherche sur le Bois; Secretariat General; Direction du Bureau des Etudes Techniques.
Subject Areas of Concern:	Training and education. Environment. Arid lands management and development. Land evaluation. Natural resources. Forestry. Reafforestation. Fisheries. Water resources. Agriculture. Nature protection.
Specific activities being carried out:	Study of environment and productivity of primary natural formation in drylands. Study of the reafforestation possibilities in drylands. Assessment and mobilization of resources. Protection of the natural balance.
New activities planned:	Integration of trees in hydro-agricultural development plans.
Publications:	"Bois et Forêts des tropiques" (quarterly); "Cahiers Scientifiques" (irregular); technical reports, practical manuals, pamphlets.
Sources of Support:	Government and international organizations, (FAC, CCLE, World Bank, AFME, FAO).
Fixed Experimental stations and their activities:	Guyana, New Caledonia, Brazil, Cameroon, Congo, Ivory Coast, Burkina-Faso, Madagascar, Niger, Senegal.
Source of Information:	R

Code: C114

Name: United Nations Educational, Scientific and Cultural Organisation (UNESCO)

Address: 7, Place de Fontenoy, 750007 Paris, FRANCE

Cable/Telex: UNESCO PARIS/270602, 204461

Telephone: 568 10 00

Name of the Head of the Organ: Mr. A.M. M'Bow

Title: Director General

No. of Professionals:

Main Internal Organ.: Sectors of: Education; Science; Social and human sciences; Culture; Communications; Co-operation for development and external relations; General administration and Programme support.

Subject Areas of Concern: Ecosystems. Desert ecology. grazing. Desertification control. Overgrazing. Rangelands. Animal ecology. Wind erosion. Sand dunes. Sand control. Pastoralism. Savannas. Livestock. Wildlife. Cattle. Appropriate technology. Land use. Settlements. Arid land development. Hydrology. Saline waters. Sediments. Water balance. Drought. Training and education in waters and lands. Land conservation. Pastures.

Specific activities being carried out: Ongoing pilot projects of the MAB (Man and Biosphere) network: Regional environmental manag. of desert ecosystems in North of Egypt; Studies of grazing land ecosystems in Chile; Studies on desertification control in the Tenri desert in China; Integrated project on arid lands in Tunisia and Kenya; Studies on structure, dynamics, productivity and regeneration of desert-ecosystems in USSR; Grazing and burning effects on the productivity of the Savanna ecosystem in Nigeria; Ecological research in the Mapini and la Michilia Biosphere reserves in Mexico; Integrated ecological studies of human settlements in arid zones in Egypt and Pakistan; Biosphere reserves in arid zones (226 sites in 62 countries including 30 sites in arid and semi-arid zones); World heritage sites in arid zones; Technical information on arid land ecology; Training of specialists in arid zone ecology (several courses and seminars); Dev. of infrastructures for arid zones ecology and combating desertification; Assistance to develop national strategies to combat desertification in Benin, Djibouti, Guinea-Bissau and Burkina-Faso; Dev. and manag. of water resources. Regional co-operation in water resources; Technical publications on water resources in arid zones; Training programmes for arid zones hydrologists.

New activities planned:

Publications: "MAB Technical Notes" series, technical reports, "Natural Resources Research" series, maps, and technical publications on water resources in arid zones.

Sources of Support:

Fixed Experimental stations and their activities:

Source of Information: (6)

Code:	C115
Name:	Centre de Coopération Internationale en Recherche Agronomique pour le Développement (CIRAD)
Address:	42, rue Scheffer 75116 Paris FRANCE
Cable/Telex:	-/620871 F
Telephone:	(1) 704 3215
Name of the Head of the Organ:	H. Bichat
Title:	Directeur Général
No. of Professionals:	1500 (800 researchers)
Main Internal Organization:	
Subject Areas of Concern:	Rural development and planning. Agriculture. Agronomy. Plant physiology. Social aspects. Economic development. Forestry. Agricultural mechanization. Training and education. Agroforestry. Land management. Water resources. Pastoralism. Animal production. Remote sensing. Drought tolerance.
Specific activities being carried out:	Establishment of a research network on drought resistance. Animal breeding. Teaching and training foreign research workers in CIRAD centre at Montpellier.
New activities planned:	
Publications:	"Agritrop".
Sources of Support:	Government (50%) and contracts (50%).
Fixed Experimental stations and their activities:	- Montpellier: All disciplines; - Nogent sur Marne: Forestry; - Maisons Alfort: Veterinary medicine.
Source of Information:	R

Code:	C117
Name:	Institut d'Elevage et de Médécine Vétérinaire des Pays Tropicaux (IEMVT)
Address:	10, rue Pierre Curie, 94704 Maison-Alfort Cedex FRANCE
Cable/Telex:	
Telephone:	36 88 73
Name of the Head of the Organ:	A. Provost
Title:	Directeur
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Pastoralism. Livestock. Animal diseases. Remote sensing. Animal health. Animal production. Grazing.
Specific activities being carried out:	Pathology studies; Camels and small ruminants; Agropastoralism in Senegal, Mauritania and Mali with the use of remote sensing.
New activities planned:	Agropastoralism in Chad and Niger.
Publications:	Annual reports, studies of the IEMVT, technical reports.
Sources of Support:	Government, international and private organizations.
Fixed Experimental stations and their activities:	- Centre IEMVT GTZ of research on animal trypanosomicas in Bobo-Dioulasso, Burkina Faso. - Missions IEMVT in New Caledonia and Guadalupe.
Source of Information:	R

Code:	C119
Name:	Institut Géographique National
Address:	136 bis, rue de Grenelle 75700 Paris, FRANCE
Cable/Telex:	IGN GNL 204 989F/-
Telephone:	(1) 550 34 95
Name of the Head of the Organ:	J.A. Winghart
Title:	Directeur Général
No. of Professionals:	400
Main Internal Organization:	
Subject Areas of Concern:	Mapping and cartography. Remote sensing. Land use. Geography. Agriculture. Agricultural production. Floods. Soil erosion.
Specific activities being carried out:	Land use maps of temperate and tropical zones (Thailand, Malaysia, Africa); Monitoring of the Niger river floods in Mali. Monitoring desertification process in Senegal.
New activities planned:	Land use and agricultural activities analysis to forecast agricultural production (France and West Africa). Soil erosion in agricultural lands.
Publications:	"Bulletin de l'IGN", "Revue Franóaise de Photogrammítrie et de Teledetection".
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	C120
Name:	Association pour Combattre la Malnutrition par Agriculture (ACMA), Laboratoire de la Roquette
Address:	34190 St. Bauzille de Putois FRANCE
Cable/Telex:	
Telephone:	(67) 737060
Name of the Head of the Organ:	Dr. R.D. Fox
Title:	Director
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Appropriate technology. Solar energy. Algae. Health. Biogas technology.
Specific activities being carried out:	Experiments on integrated villages, health and energy systems in India, Togo and Senegal; Recycling of village wastes to produce food, methane gas, compost.
New activities planned:	Development of integrated systems in villages in other countries.
Publications:	Books, newsletters, articles.
Sources of Support:	EEC, AFME, membership subscriptions.
Fixed Experimental stations and their activities:	Laboratoire de la Roquette: Research in algaculture and appropriate technology.
Source of Information:	R

Code:	C123
Name:	Institut Français de Recherche Scientifique pour le Développement en Coopération (ORSTOM) - Laboratoire D'Hydrologie
Address:	70-74, route d'Aulnay, F-93140 Bondy FRANCE
Cable/Telex:	-/SSCBY 215 203F
Telephone:	(1) 847 31 95
Name of the Head of the Organ:	Mr. B. Pouyaud
Title:	Ingénieur Hydraulicien
No. of Professionals:	50
Main Internal Organization:	
Subject Areas of Concern:	Droughts. Natural resources. Hydrology. Climate. Water resources.
Specific activities being carried out:	Drought studies in the Sahel and Northeast Brazil. Management of natural resources in inter-tropical zones. Hydrometric database. Hydrological monitoring networks.
New activities planned:	Climatic studies. Water resources studies
Publications:	"Hydrologie" series, reports and documents, theses, monographs on hydrology.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	C128
Name:	Association Française des Volontaires de Progrès
Address:	B.P.2, 91310 Montlhery FRANCE
Cable/Telex:	
Telephone:	901 10 95
Name of the Head of the Organ:	Mr. B. Dumont
Title:	Délégué Général
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Rural Development and Planning. Reafforestation. Hydrology. Appropriate technology. Relief activities.
Specific activities being carried out:	Integral development projects in third world countries such as Burkina Faso, Mali, Benin, Togo, the Sahelian zone of Senegal; Small water projects.
New activities planned:	Re-afforestation. Energy. Relief operations.
Publications:	
Sources of Support:	Government, donations and contributions from various European NGOs.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	C132
Name:	Bureau pour le Développement et la Production Agricole
Address:	27, rue Louis Vicat, 75738 Paris Cedex 15 FRANCE
Cable/Telex:	BUDEPRA 250620 F/-
Telephone:	
Name of the Head of the Organ:	Mr. A. Fos
Title:	President Directeur Général
No. of Professionals:	180
Main Internal Organization:	
Subject Areas of Concern:	Rural development and planning. Agriculture. Crop production. Leguminosae.
Specific activities being carried out:	Studies on rural development crop production including consultancy activities in the Sahelian countries. Fruit and vegetable marketing.
New activities planned:	
Publications:	Various articles, reports, references.
Sources of Support:	International, national and private support.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	C136
Name:	Laboratoire de Géographie Physique Zonale Université de Reims
Address:	57, rue Pierre Taittinger, 5 1100 Reims, FRANCE
Cable/Telex:	
Telephone:	26 0823 23
Name of the Head of the Organ:	Mme. M. Mainguet
Title:	Professeur d'Université
No. of Professionals:	Three
Main Internal Organization:	
Subject Areas of Concern:	Wind erosion. Remote sensing. Mapping and cartography. Desertification.
Specific activities being carried out:	Diachronic analysis of the physical mechanism of desertification with satellite images and aerial photography in the semi-arid Sahelian region.
New activities planned:	Increase of the research on wind dynamics and its degradation effects in various arid and semi-arid ecosystems of Africa, Asia and Latin America.
Publication:	Special issues on desertification in the "Travaux de l'Institut de Géographie de Reims".
Sources of support:	Government and international organizations, especially the United Nations.
Fixed Experimental station and their activities:	None.
Source of Information:	R

Code:	C139
Name:	Centre d'Etudes et Réalisations Cartographiques Géographiques
Address:	191, rue Saint-Jacques, 755005 Paris, FRANCE
Cable/Telex:	
Telephone:	329 01 47
Name of the Head of the Organ:	F. Joly
Title:	Directeur
No. of Professionals:	11
Main Internal Organization:	
Subject Areas of Concern:	Remote sensing. Mapping and cartography. Vegetation. Pastoralism. Arid lands. Desertification.
Specific activities being carried out:	Research on the identification of signs in desertificationn processes by remote sensing and preparation of maps including those signs; Assessment of the pastoral development in the Sahara region.
New activities planned:	Preparation of a 1:1,000,000 map of the Sahelian region and annual map (1:5,000,000) of biomass (vegetation) after rainy seasons (field and remote sensing).
Publications:	Technical reports.
Sources of Support:	CNRS (France), CNES (France), Government and Centre Scientifique IBM (France).
Fixed Experimental stations and their activities:	- Centre Algérien de recherches sur la zone aride (Algeria); - Institut du Sahel, (Mali); - AGRHYMET (Niger).
Source of Information:	R

Code:	C143
Name:	Laboratoire de Cryptogamie
Address:	12, rue Buffon, 75005 Paris FRANCE
Cable/Telex:	
Telephone:	331 35 21
Name of the Head of the Organ:	Dr. J. Mauchacca
Title:	Chercheur impliqué
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Parasites. Soil microbiology. Systematics. Fungi. Saline soils.
Specific activities being carried out:	Impact assessment of agriculture in arid and semi-arid zones and soil salinisation effects on fungal populations.
New activities planned:	Studies on levels of salinisation contents in the soil, sterilization and means to prevent salinisation.
Publications:	Several publications including doctoral theses.
Sources of Support:	Government and international co-operation agencies.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	C144
Name:	Centre de Géographie Appliquée
Address:	3, rue l'Agonne, 67083 Strasbourg Cedex FRANCE
Cable/Telex:	ULP 870260F/-
Telephone:	(16-88) 35 43 00
Name of the Head of the Organ:	Professeur J. Tricart
Title:	Directeur de Laboratoire
No. of Professionals:	Seven
Main Internal Organization:	
Subject Areas of Concern:	Natural resources. Water management. Soil management. Drought. Lakes. Hydrology. Water resources. Land resources. Geography.
Specific activities being carried out:	Integrated study of the natural resources in the State of Nuevo Leon, Mexico; Study on the drought effects in the Mopti-Timbuctu Region of Mali; Research on evolution and possibilities of development in the old lakes of the central region of Mexico; Activities on development of Llanos de Apure (Venezuela).
New activities planned:	Participation in hydrological programmes such as "Hydrology of Great Plains", surveys on water and land resources for development along the Paraguay-Argentina border.
Publications:	"Revue de Géomorphologie Dynamique," "Recherches Géographiques à Strasbourg" and other irregular publications
Sources of Support:	University, CNRS and contracts.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	C145
Name:	Centre National du Machinisme Agricole, du Génie Rural des Eaux et des Forêts (CEMAGREF)
Address:	Parc de Tourvoie - 92160 Antony FRANCE
Cable/Telex:	-/204565
Telephone:	666 21 09
Name of the Head of the Organ:	J. Barlet
Title:	Directeur Général
No. of Professionals:	300
Main Internal Organization:	
Subject Areas of Concern:	Water resources. Hydrology. Biology. Erosion control. Natural resources. Nature protection. Rural dev. and planning. Land conservation. Runoff. Stream flow. Soil conservation. Agriculture. Dry farming. Lakes. Land reclamation. Mountains.
Specific activities being carried out:	Effects of soil erosion, soil pollution and water runoff; Management of streams; Reinforcement of slopes; Improvement of degraded lands; Integrate dev. of lakes for soil conservation; Activities on research and development of Mediterranean drylands.
New activities planned:	Multidisciplinary approach to problems related to soil and water management of small lakes, dry zones and mountains.
Publications:	"Bulletin d'information" (monthly), "Etudes du CEMAGREF" (monthly), "Informations Techniques" (quarterly).
Sources of Support:	Government (80%) and local and private agencies (20%).
Fixed Experimental stations and their activities:	- Grenoble: Soil protection, Rural development studies in mountains; - Montpellier: Agricultural development in drylands; - Antony: Integrate development of lakes and slopes, erosion combat.
Source of Information:	R

Code:	C150
Name:	LCHF - Géohydraulique
Address:	Laboratoire Central d'Hydraulique de France 10, rue Eugène Renault 94704 Maisons-Alfort Cedex FRANCE
Cable/Telex:	L A BHYDRO MAISONS-ALFORT/L.C.H.F. 240 985F
Telephone:	(1) 893 28.28
Name of the Head of the Organ:	Dr. P. Prudhomme
Title:	Directeur
No. of Professionals:	47
Main Internal Organization:	
Subject Areas of Concern:	Erosion. Erosion control. Water management. Sediments.
Specific activities being carried out:	Hydraulic programmes in Benin, Mali, Mauritania, and Senegal; Studies of erosion causes along the coast and methods of prevention in Togo and Benin.
New activities planned:	Participation in planning and implementation of French programmes on water control and "hydraulic villages" to be adapted to less developed countries.
Publications:	OTH informations.
Sources of Support:	Study contracts with Goverments, private investors, companies, UN, IBRD, FED, CCCE, FAC.
Fixed Experimental stations and their activities:	Hydraulic Laboratory: studies on reduced physical models for hydraulic sedimentology.
Source of Information:	R

Code:	C151
Name:	Groupe de Recherche et Réalisation pour le Developpement Rural (GRDR)
Address:	60 rue du Joubourg Poissonière 75010 Paris, FRANCE
Cable/Telex:	
Telephone:	(1) 824 40 09
Name of the Head of the Organ:	P. Schrump
Title:	Président de l'Association
No. of Professionals:	10
Main Internal Organization:	
Subject Areas of Concern:	Animal work and traction. Training and education in agriculture, animals and water. Appropriate technology. Rural development and planning. Water sources. Wind power. Migration. Social aspects.
Specific activities being carried out:	Short and long training courses for workers from Senegal, Mali and Mauritania; Research and development of appropriate technology.
New activities planned:	Establishment of a research station in the Senegal River Valley and appropriate technology assistance to villagers.
Publications:	Internal bulletin.
Sources of Support:	Government, foundations, private grants, EEC, Social Action Funds.
Fixed Experimental stations and their activities:	Ecoubly Training Centre: Animal traction, water pump production, agriculture, wells, hand pumps, wind pumps.
Source of Information:	R

Code:	C154
Name:	Institut National Agronomique Paris-Grignon (INAPG) Laboratoire de Zoologie
Address:	16, rue Claude Bernard, 75231 Paris Cedex FRANCE
Cable/Telex:	
Telephone:	16(1) 331 49 65
Name of the Head of the Organ:	Prof. G. Strebler
Title:	Directeur
No. of Professionals:	Five
Main Internal Organization:	Laboratory of research INA, INRA and CNRS.
Subject Areas of Concern:	Insects. Plant studies. Forestry. Pest management and control. Vegetation.
Specific activities being carried out:	Studies on the effects of vegetative substances on forest insects (food digestion); Studies on the effects of vegetative substances on crop land insects.
New activities planned:	
Publications:	Technical reports (10 to 20 per year), theses (five per year).
Sources of Support:	Government (INA-INRA-CNRS), phytopharmaceutical industry.
Fixed Experimental stations and their activities:	- INAPG Centre Laboratory, Paris; - INAPG Centre Laboratory, Grignon.
Source of Information:	R

Code:	C156
Name:	Institut Technique de l'Elevage Ovin et Caprin
Address:	149, rue de Bercy, 75595 Paris Cedex 12 FRANCE
Cable/Telex:	
Telephone:	346 12 20
Name of the Head of the Organ:	A. Besselievre
Title:	Directeur
No. of Professionals:	40
Main Internal Organization:	
Subject Areas of Concern:	Sheep. Grazing. Pastoralism. Animal production. Livestock.
Specific activities being carried out:	Development and research on sheep and goats.
New activities planned:	
Publications:	"PATRE", "La Chevre", "Bulletin Technique de l'Elevage Ovin".
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	C157
Name:	PROSEMOC
Address:	57 bis, Boulevard Béranger 37000 Tours FRANCE
Cable/Telex:	-/750647F
Telephone:	(47) 37 68 50, 37 68 51
Name of the Head of the Organ:	L. de Boeuer
Title:	Ingenieur
No. of Professionals:	Five
Main Internal Organization:	
Subject Areas of Concern:	Livestock. Cattle. Animal production. Sheep. Animal husbandry. Training and education.
Specific activities being carried out:	Establishment of breeding units; Technical assistance; Training and livestock distribution.
New activities planned:	
Publications:	Two periodicals.
Sources of Support:	Government, international organisations.
Fixed Experimental stations and their activities:	In co-operation with Institut des Zones Arides and Institut de Médicine Vétérinaire Tropicale in France.
Source of Information:	R

Code:	C158
Name:	SATEC Développement (Société Technique pour la Coopération et le Développement)
Address:	110, rue de l'Université, 75007 Paris FRANCE
Cable/Telex:	SATEC DEV PARIS/200339F
Telephone:	(1) 550 32 10
Name of the Head of the Organ:	M.A. Dupuis
Title:	Directeur
No. of Professionals:	120
Main Internal Organization:	Société anonyme.
Subject Areas of Concern:	Rural development and planning
Specific activities being carried out:	Studies, technical assistance on rural development to less developed countries.
New activities planned:	
Publications:	
Sources of Support:	Government, international organisations and private sources.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	C159
Name:	Société d'Etudes et de Conseil pour l'Amenagement Rural, l'Inventaire et la Gestion des Ressources.
Address:	27, rue Louis Vicat, 75738 Paris Cedex 15 FRANCE
Cable/Telex:	-/SCETAGR 204324 F
Telephone:	(1) 638 34 76
Name of the Head of the Organ:	Mr. A. Fos
Title:	Président Directeur Général
No. of Professionals:	130
Main Internal Organization:	
Subject Areas of Concern:	Rural development and planning. Agriculture. Agricultural products. Natural resources. Cultivation systems.
Specific activities being carried out:	Studies and advising Sahelian countries with regard to rural development; Agricultural production; Marketing agricultural products; Inventories of natural resources; Agro-industries and providing technical assistance.
New activities planned:	
Publications:	Articles, study reports.
Sources of Support:	International organizations, national governments and private sources.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	C162
Name:	Bioclimatologie INRA-INA PG
Address:	Departement de Bioclimatologie 78850 Thiverval-Grignon FRANCE
Cable/Telex:	
Telephone:	(3) 056 45 10, 16-11 570 15 50
Name of the Head of the Organ:	Prof.A. Perrier
Title:	Professeur Directeur de Recherches
No. of Professionals:	40
Main Internal Organization:	Six laboratories.
Subject Areas of Concern:	Agricultural climatology. Environmental effects. Energy. Water balance. Vegetation. Soil-water-plant relationship. Plant growth. Plant physiology. Remote sensing. Agroforestry. Irrigation. Forage plants.
Specific activities being carried out:	Studies on: Environmental factors inciding on plant growth and development; Relationships between soil-plants-water-air; Monitoring of climatic extremes.
New activities planned:	Development of agroforestry and regional assessments.
Publications:	Agronomic publications.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Avignon: Artificial climates and agrometeorology; - Grignon: Micrometeorology, remote sensing of biomass; - Bordeaux: Micrometeorology of heterogeneous agriculture systems, regional microclimatology; - Luzignan: Bioclimatology, geo-physiology of forage plants; - Guadeloupe: Bioclimatology, ecophysiology of intercropping.
Source of Information:	R

Code:	C163
Name:	GERSAR (Groupement d'Etudes et de Réalisations des Sociétes d'Amenagement Régional)
Address:	4, rue Galilée, 75116 Paris FRANCE
Cable/Telex:	-/613525
Telephone:	723 60 64
Name of the Head of the Organ:	J. Verdier
Title:	Directeur
No. of Professionals:	1000 Engineers
Main Internal Organization:	
Subject Areas of Concern:	Hydrology. Rural development and planning. Social aspects. Economics. Water resources. Water management. Agriculture. Water sources. Greenbelts.
Specific activities being carried out:	All kinds of hydraulic developments; Rural dev.; Studies of masterplans by economic or geographic sector; Project feasibility studies; Implementation and technical assistance.
New activities planned:	Establishment of greenbelts in the Senegal river valley, creation of small irrigated agricultural plots using boreholes.
Publications:	Reports, studies and development proposals.
Sources of Support:	Government and EEC.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	C166
Name:	Groupe de Recherche et d'Echanges Technologiques
Address:	30, rue de Charonne, 75011, Paris FRANCE
Cable/Telex:	
Telephone:	(1) 338 60 60
Name of the Head of the Organ:	M. Levy
Title:	Secrétaire Général
No. of Professionals:	24
Main Internal Organization:	
Subject Areas of Concern:	Animal traction. Irrigation systems. Appropriate technology. Agriculture. Rural development and planning. Water management. Water conservation. Biogas-technology. Post-harvest conservation. Forage production. Human health. Settlements.
Specific activities being carried out:	Follow-up of projects.
New activities planned:	
Publications:	Books and manuals on appropriate technology, agric., transformation of agriculture, industry, habitat and construction, technology and development, energy, health, etc., "Recherche - Developpement", newsletter.
Sources of Support:	Government, foundations and contracts.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	C167
Name:	ENVIPACT
Address:	11, rue des Moulins 31000 Toulouse FRANCE
Cable/Telex:	
Telephone:	(61) 52 49 50
Name of the Head of the Organ:	G. Vairel
Title:	President
No. of Professionals:	3
Main Internal Organization:	
Subject Areas of Concern:	Energy. Alternate energy. Biogas technology. Solar energy. Wind power. Appropriate technology. Environment. Renewable energy. Training and education in environmental conservation.
Specific activities being carried out:	Documentation and information on renewable energy and environment.
New activities planned:	Local community training and activities.
Publications:	"Energie et Environnement" (quarterly).
Sources of Support:	Government contracts and local communities.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	C200
Name:	Federal Institute for Geosciences and Natural Resources
Address:	Stilleweg 2, D-3000 Hanover 51 FEDERAL REPUBLIC OF GERMANY
Cable/Telex:	-/923730/GEOBUND
Telephone:	0511 6430
Name of the Head of the Organ:	Prof. Dr. F. Bender
Title:	President
No. of Professionals:	690 (274 Geoscientists).
Main Internal Organization:	Subdivisions of Hydrogeology; Pedology and Environmental protection.
Subject Areas of Concern:	Soil science. Hydrology. Hydrogeology. Water conservation. Water management. Water resources.
Specific activities being carried out:	Soil and water development projects.
New activities planned:	
Publications:	"Geologisches Jahrbuch".
Sources of Support:	Government.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	C203
Name:	Geographisches Institut der Universität am Hubland
Address:	D-8700 Würzburg FEDERAL REPUBLIC OF GERMANY
Cable/Telex:	UNI Wü/-
Telephone:	093/888 55 55
Name of the Head of the Organ:	Dr. H.H. K. Hagedorn
Title:	Professor
No. of Professionals:	10
Main Internal Organization:	
Subject Areas of Concern:	Geomorphology. Climatology. Ecology. Sand dunes. Sediments.
Specific activities being carried out:	Geomorphological and climatological investigation in Niger, Chad, Nigeria and Algeria.
New activities planned:	Research in Niger, ecology, geomorphology, palaeoclimatology, sedimentology, palynology, and dune stabilization.
Publications:	GTZ "Würzburger Geographische Arbeiten".
Sources of Support:	Government, Deutsche Forschungsgemeinschaft.
Fixed Experimental stations and their activities:	In collaboration with the University of Niger, Niamey.
Source of Information:	R

Code:	C204
Name:	Working Group Drylands - University of Hamburg.
Address:	Bundestrasse 55, D-2000 Hamburg 13 FEDERAL REPUBLIC OF GERMANY
Cable/Telex:	-/214 732 UNIHH FRG
Telephone:	(40) 41 23 49 68
Name of the Head of the Organ:	Prof. H. Mensching
Title:	Chairman
No. of Professionals:	4
Main Internal Organization:	Working Group, Research Project.
Subject Areas of Concern:	Morphology. Desertification. Arid lands management and development.
Specific activities being carried out:	Research in Sudan (sp. Darfur) since 1979; Evaluation and review missions in Sahelian countries, including Northern Kenya (IPALKALRES).
New activities planned:	Studies in Darfur, Kordofan and Bayuda in Sudan.
Publications:	Journal articles, monographs.
Sources of Support:	Academy of Science Göttingen. Institut Geographie Unpoa (IGSU)
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	C206
Name:	Institute for Water Resources Research
Address:	Callinstrasse 32, D-3000 Hannover, FEDERAL REPUBLIC OF GERMANY
Cable/Telex:	-/09-238 68
Telephone:	(0511) 762 22 37
Name of the Head of the Organ.:	Prof. Dr. K. Lecher
Title:	Director
No. of Professionals:	31
Main Internal Organization:	Departments of: Water resources research; Ground water hydrology; Simulation techniques for water resources engineering; Urban hydrology; Water quality modelling and Water management in arid and semi-arid zones.
Subject Areas of Concern:	Water resources. Hydrology. Agricultural engineering. Water management. Water quality. Water supply. Runoff. Groundwater. Soil physics. Irrigation. Sediments. Aquifers. Rivers. Reservoirs. Training and education in water.
Specific activities being carried out:	Basic and post-graduate courses in water resources, hydrology and agricultural engineering; Research on water resources management, surface hydrology, ground water hydrology and agricultural hydraulic engineering.
New activities planned:	River basin management and reservoir system control for arid and semi-arid zones.
Publications:	Bulletins.
Sources of Support:	Government, national and international research foundations.
Fixed Experimental stations and their activities:	- Ruthe: groundwater research.
Source of Information:	R

Code:	C300
Name:	Instituto Agronomico per l'Oltremare
Address:	Via Antonio Cocchi 4 50131 Florence ITALY
Cable/Telex:	-/574549 IAOI
Telephone:	39-55- 57 32 01/2/3
Name of the Head of the Organ:	Prof. A. Brandolini
Title:	Director General
No. of Professionals:	14
Main Internal Organization:	Eight sections and six units.
Subject Areas of Concern:	Pastoralism. Rangelands. Agriculture. Crop production. Seeds. Food conservation. Remote sensing. Crop response. Horticulture. Rainfed agriculture. Technology transfer. Cultivation systems.
Specific activities being carried out:	Combating desertification in Tunis-Nefzasua Region; Improvement of agro-pastoral zones in Djibouti; Improvement of fruit culture in Cape Verde; Research programme on cashew crop in Tanzania.
New activities planned:	Improvement of geoplasm preservation systems in Argentina, introduction of new technology into the Horticultural Exp. Station of San Pedro, Argentina, improvement of fruit crops in Rio Negro and Neuquen, Argentina, seed project Pairuman II in Bolivia, rainfed rice improvement in Low Zaire.
Publications:	"Rivista di Agricoltura Subtropicale e Tropicale" (quarterly).
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	C302
Name:	Food and Agriculture Org. of the United Nations (FAO)
Address:	Via delle Terme de Caracalla, 00100 Rome, ITALY
Cable/Telex:	FOODAGRI ROME/610181
Telephone:	579 71
Name of the Head of the Organ:	Mr. E. Saoma
Title:	Director General
No. of Professionals:	
Main Internal Organization:	Departments of: Development; Agriculture; Economic and social policy; Fisheries; Forestry; General affairs and Administration and finance.
Subject Areas of Concern:	Afforestation. Animal prod.. Biogas tech.. Crop prod.. Dry farming. Ecology. Erosion control. Forestry. Fuelwood. Grazing. Hydrology. Irrigation. Irrigated agric.. Land surveys. Land use. Mapping and cartography. Pastoralism. Parks. Rangelands. Reservoirs. Soil manag.. Sand dunes. Soil fertility. Sheep. Soil science. Soil surveys. Technology transfer. Training and education in forests and waters. Vegetation. Water conserv.. Water resources. Watershed manag.. Wildlife. Forest fires.
Specific activities being carried out:	Ecological and vegetational mapping in Afghanistan; Improvement of the Gangadeala National park in Angola; Forest dev. and training in Burundi; Dev. of soil service offices in Cameroon and Burkina Faso; Forest dev. and reafforestation in Cape Verde; Support to forest dev. in Ethiopia; Rural dev. and forests in Guinea Bissau; Establ. of a wildlife institute in India; Modern forest fire control in India; Dryland farming research and dev. in Kenya; Land and water conserv. in Libya; Grazing land livestock dev. in Libya; Sovoka area rehabilitation in Madagascar; Forest manag. and reafforestation in Mali; Mountain areas dev. in Morocco; Sand dune fixation in Morocco; Watershed manag., education and conservation in Nepal; Irrigation techniques in Pakistan; Forest plantation for energy purposes in Peru; Amendment of agro-forest pastoral zones in Tunisia; Range and animal dev. Research Centre in Saudi Arabia; Community afforestation in Couga and Bakelin, Senegal; Dev. of diversified forest rehabilitation in Thailand; Afforestation in the Conoe and Banfora provinces of Burkina Faso; Improvement of farming systems for the Nile Valley in Egypt.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(6)

Code:	C303
Name:	World Food Programme (WFP)
Address:	Via delle Terme di Caracalla Rome 00100 ITALY
Cable/Telex:	WORLDFOOD ROME / 610481 or 680096 or 612030 WORLDFOOD
Telephone:	57 971
Name of the Head of the Organ:	Mr. J.C. Ingram
Title:	Executive Director
No. of Professionals:	
Main Internal Organization:	Divisions of Project management; Resources management; External relations and general services.
Subject Areas of Concern:	Agriculture. Forestry. Greenbelts. Arid lands management and development. Grazing. Rangelands. Food supply. Foods. Rural development and planning. Erosion control. Sand dunes. Watershed management. Afforestation. Reafforestation. Desertification control.
Specific activities being carried out:	Projects since 1980 are summarized as follows: Agricultural dev. in North West coastal zone of Egypt; Rehabilitation of forest, grazing and agric. lands in Ethiopia; Rangeland and forest dev. in Jordan; Food assistance to labour working on Rajistan Canal project in India; Soil and water conserv. and road improvement in Lesotho; Forestry dev. in Manica and Maputo provinces in Mozambique; Assistance to the Tarbela and Mangla watershed in Pakistan; Rangeland dev. and reafforestation in Somalia; Reafforestation and establishment of greenbelt in Syria; Integrated rural dev. of arid and semi-arid zones, erosion control in Tunisia; Watershed manag. in Zambia.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(6)

Code:	C401
Name:	International Institute for Land Reclamation and Improvement
Address:	P.O. Box 45, 6700 AA Wageningen NETHERLANDS
Cable/Telex:	-/75230 VISI NL
Telephone:	
Name of the Head of the Organ:	Dr. Ir. J.A.H. Hendriks
Title:	Director
No. of Professionals:	18
Main Internal Organization:	
Subject Areas of Concern:	Water resources. Water management. Land management. Land use. Water utilization. Rural development and planning. Training and education in lands and water. Irrigation. Drainage. Catchments.
Specific activities being carried out:	Organizing training courses; Advisory work in projects of development co-operation; collaboration in applied research on land and water use for agriculture in third world countries.
New activities planned:	Land drainage for salinity control, catchment management and drainage of inland valley bottoms.
Publications:	ILRI publications, bulletins and bibliographies.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	C402
Name:	Centre for Agrobiological Research
Address:	Bornsesteeg 65, P.O. Box 14 6700 AA Wageningen NETHERLANDS
Cable/Telex:	CABO - Wageningen/-
Telephone:	08370-19012
Name of the Head of the Organ:	Dr. P. Gaastra
Title:	Director
No. of Professionals:	35
Main Internal Organization:	Research departments of: Plant physiology: Chemistry: Crop Science, Weed Science and Vegetation Science.
Subject Areas of Concern:	Ecology. Plant physiology. Grazing. Vegetation. Plant growth. Weed control. Rangelands. Range management. Agriculture. Land reclamation. Training and education. Crop production. Crop response. Crops. Plant ecology. Plant nutrition. animal ecology. Animal health. Animal husbandry. Animal behaviour. Climate. Soil properties Remote sensing:
Specific activities being carried out:	Range management in arid and semi-arid regions, tropics and sub-tropics; Systems analysis in tropical agric.;dev. and application of ecological principles in the exploitation, conserv. and restoration of vegetation in arid and semi-arid regions.
New activities planned:	Intensification of current research and of co-operation with national and international organisations.
Publications:	Monographs and several publications in periodicals.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	C500
Name:	Estación Experimental Zonas Aridas Consejo Superior de Investigaciones Cientificas
Address:	General Segura, 1 04001 Almeria SPAIN
Cable/Telex:	
Telephone:	(951) 23 65 00
Name of the Head of the Organ:	Sr. J.R. Vericad
Title:	Director
No. of Professionals:	Four
Main Internal Organization:	Unidad Estructural de Investigacóon de Ecologóa de Zonas Aridas
Subject Areas of Concern:	Ecology. Reptiles. Animal ecology. Animal distribution. Flora. Entomology. Parasites.
Specific activities being carried out:	Scientific research on: Insects; Entomology; Regional flora; Ungulates; Reptiles; Insect taxonomy.
New activities planned:	Biogeochemical cycles.
Publications:	None.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	Installation for reproducing Sahelien rare species G. cavieri, G. dana, G. darcas and for parasite control.
Source of Information:	R

Code:	C601
Name:	Research Policy Institute, University of Lund
Address:	Box 2017 5-220 02 Lund SWEDEN
Cable/Telex:	RESPOL/LUNIVER S 33533
Telephone:	(046) 10 76 17, (046) 10 70 00
Name of the Head of the Organ:	Mr. J. Sigurdon
Title:	Director
No. of Professionals:	16
Main Internal Organization:	
Subject Areas of Concern:	Environment. Desertification. Erosion.
Specific activities being carried out:	Collection and dissemination of information.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	C701
Name:	Swiss Tropical Institute
Address:	Socinstrasse 57 4051 Basel SWITZERLAND
Cable/Telex:	TSETSE BASEL/62508
Telephone:	061/23 38 96
Name of the Head of the Organ:	Prof. T.A. Freyvogel
Title:	Director
No. of Professionals:	30
Main Internal Organization:	Departments of Biology and Medicine; Technical School of Tropical Agriculture; Field laboratory at Ifakara (Tanzania) and Dept. of General Services.
Subject Areas of Concern:	Agriculture. Tropical health. Rural development and planning. Pest control. Environment. Animal health.
Specific activities being carried out:	Fundamental and applied biomedical research; Teaching; Co-operation with third world countries; Information, documentation and polyclinic services.
New activities planned:	Extension of applied field research, including agricultural development.
Publications:	"ACTATROPICA" (journal of biomedical sciences).
Sources of Support:	Government, National Science Foundation, other foundations and donors.
Fixed Experimental stations and their activities:	- At Ifakara (Tanzania) Field laboratory: interrelations between parasitic infections/immune status/nutritional status/environment. - At Nairobi, Kenya, in collaboration with ILRAD: Development of culture methods for trypanosomes. Animal vaccination. Studies on parasite distribution in infected animals.
Source of Information:	R

Code:	C705
Name:	International Labour Organization (ILO)
Address:	4, Route des Morillons CH-1211 Geneva 22 SWITZERLAND
Cable/Telex:	INTERLAB GENEVA/22271 BIT CH
Telephone:	99 61 11
Name of the Head of the Organ:	Mr. F. Blanchard
Title:	Director General
No. of Professionals:	
Main Internal Organization:	Department of: International labour standards; Technical programmes sector (8 departments); General administration sector (3 departments); and Relations sector (3 bureaus).
Subject Areas of Concern:	Afforestation. Erosion control. Soil management. Water management. Rural development and planning. Wood management.
Specific activities being carried out:	Anti-erosion works, afforestation and soil conservation in Burundi; Laboratory and intensive public works in soil conservation, afforestation and water management in Cape Verde, Mali, Ruanda, Tanzania and Burkina-Faso; Training of artisans for rural technology in Burkina Faso; Establishment of woodlots and soil conservation in India.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(6)

Code:	C706
Name:	Office of the United Nations Disaster Relief-Coordinator (UNDRO)
Address:	Palais de Nations 1211 Geneva 10 SWITZERLAND
Cable/Telex:	UNDRO GENEVA/28148 UNDR CH
Telephone:	31 02 11
Name of the Head of the Organ:	Mr. M. Essaafi
Title:	Under-Secretary-General
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Floods. Drought. Social aspects.
Specific activities being carried out:	Pre-disaster relief planning (mainly in flood and drought) in Tanzania and Mozambique.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(6)

Code:	C707
Name:	World Health Organization (WHO)
Address:	20, Avenue Appia 1211 Geneva 27 SWITZERLAND
Cable/Telex:	UNISANTE GENEVA/27821
Telephone:	91 21 11
Name of the Head of the Organ:	Dr. H. Mahler
Title:	Director-General
No. of Professionals:	
Main Internal Organization:	22 divisions.
Subject Areas of Concern:	Human health. Social aspects. Water quality. Water supply. Water pollution. Migrations. Water.
Specific activities being carried out:	More than 50 projects have been implemented since 1978. Some of these projects are: Onchocerciasis control programme in Volta river basin (covering Burkina Faso, Benin, Ghana, Ivory Coast, Mali, Niger and Togo); Technical co-operation programmes for health (including health services planning and management, basic sanitary measures, health power development, expanded programme of immunization, etc.) in Botswana, Cape Verde, Central African Rep., Chad, Ethiopia, Gambia, Guinea Bissau, Kenya, Lesotho, Mali, Mauritania, Niger, Senegal, Burkina Faso, Bahrain, P.D.R. Yemen, Egypt, Iran, Iraq, Jordan, Kuwait, Lybia, Oman, Pakistan, Qatar, Saudi Arabia, Somalia, Sudan, Syria, Tunisia, U.A. Emirates, Yemen A.R., Morocco, Burma, India, Algeria., Mongolia, Brazil, Chile, Mexico and Peru.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(6)

Code:	C708
Name:	World Meteorological Organization (WMO)
Address:	41, Avenue Giuseppe-Motta, Case postale No.5 CH-1211 Geneva 20 SWITZERLAND
Cable/Telex:	METEOMOND GENEVA/23260
Telephone:	34 64 00
Name of the Head of the Organ:	G.O.P. Obaji
Title:	Secretary-General
No. of Professionals:	
Main Internal Organization:	Departments of World weather watch; Research and development programmes; World climate programme; Hydrology and water resources; Technical co-operation; Education and training; Administration and languages; Publications and conferences.
Subject Areas of Concern:	Hydrology. Climatology. Agricultural climatology. Water resources. Remote sensing. Climate-vegetal relationships. Drought. Renewable energy. Wind power. Solar energy. Alternate energy. Desertification control.
Specific activities being carried out:	World climate programme to develop a common global strategy for a greater understanding and rational use of climate; Construction and operation of the regional centre of agrometeorology and hydrology in the Sahelian countries; Climatological data for anti-desertification manuals and maps; Application of satellites to agricultural and anti-desertification activities; Research on the effects of weather and climate on plant and animal production; Meteorological aspects of the development of new energy resources such as wind and solar energy; Hydrological aspects of drought; Assessment of water resources.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(6)

Code:	C800
Name:	Tropical Development and Research Institute
Address:	127, Clerkenwell Road, London EC1R 5DB, UNITED KINGDOM
Cable/Telex:	MINISTRANT LONDON/-
Telephone:	01-405 79 43
Name of the Head of the Organ:	Dr. E.M. Thain
Title:	Director
No. of Professionals:	220
Main Internal Organization:	Departments of: Biological Science I; Biological Science II; Field; Chemical control; Animal products and feeds; Plant food commodities; Non-food commodities; Storage; Industrial Development; Marketing and Industrial economics; Central Operation
Subject Areas of Concern:	Pest management and control. Agricultural products. post-harvest conservation. Forests.
Specific activities being carried out:	Identification and behaviour of pests; Distribution o windborne pests; Pest control by pesticides; Phenomones and viruses and their effects on crops; Current target: brown planthoppers, African armyworms stemborers, termites, bollworms, grasshoppers, defoliators and weevils; Improvements in handling, processing, storage and transport of fish, animals, fruit, vegetables, root crops, oilseed edible nuts, cereals and animal feeds; Evaluation of forest resources for pulp and paper industries; Charcoal uses; Waste product utilization; Disease vectors.
New activities planned:	Continuation of current activities.
Publications:	Periodicals: "Tropical Science" (quarterly), "Tropical Stored Products Information" (3-4 times/year), "Oil Palm News"(annually), biannual report, conference proceedings, newsletter (three times/year) and reports in international journals.
Sources of Support:	U.K. Overseas Development Administration Finance work commissioned by ODA and international bodies such as World Bank, FAO, WHO, ECC, etc.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	C803
Name:	Hydroponic Advisory and Information Unit
Address:	119, Glebe Ave., Ickenham UB10 8PF U.K.
Cable/Telex:	
Telephone:	Ruislip 38877
Name of the Head of the Organ:	Mr. J. Sholt Douglas
Title:	Director
No. of Professionals:	3
Main Internal Organization:	Sections of: Hydroponics; Agroforestry; Miscellaneous.
Subject Areas of Concern:	Cultivation systems. Nutrients. Saline water. Hydroponics. Forestry. Controlled environment. Agroforestry. Alternative foods. Land reclamation. Ecology.
Specific activities being carried out:	Hydroponic investigations; Agroforestry in arid areas; Alternative food crop usage; Cultivation systems.
New activities planned:	Mobile hydroponic production units for famine areas and desert conditions, tree-crops for food, fuel and fodder in desert reclamation, organic nutrient extension, saline water culture.
Publications:	Books on hydroponics, forest farming, alternative food crops and applied ecology, occasional newsletters, bulletins and project reports.
Sources of Support:	NGO royalties, donations, contributions and contracts.
Fixed Experimental stations and their activities:	- At Ickenham (UK) - At Bombay (India)
Source of Information:	R

Code:	C804
Name:	Intermediate Technology Development Group Ltd.
Address:	Myson House, Railway Terrace Rugby CV21 3HT U.K.
Cable/Telex:	ITDG RUGBY/-
Telephone:	(0788) 60631
Name of the Head of the Organ:	Dr. H. Frost
Title:	Chief Executive
No. of Professionals:	40
Main Internal Organization:	Divisions of: Operations; Planning and Communications; Administration.
Subject Areas of Concern:	Appropriate technology. Economic development. Rural Development and planning. Water management.
Specific activities being carried out:	Advice and assistance to improve efficient cooking stove programmes in the Sahel Region and other areas in Africa, India and Indonesia.
New activities planned:	
Publications:	"Appropriate Technology" and "Waterlines" (quarterlies), "Boiling point" (irregular), books.
Sources of Support:	By independent charity which raises money from British and other national development agencies, foundations, trusts and general public.
Fixed Experimental stations and their activities:	At Shinfield (UK).
Source of Information:	R

Code:	C805
Name:	Overseas Division, National Institute of Agricultural Engineering
Address:	Wrest Park, Silsoe, Bedford MK45 1AE, UNITED KINGDOM
Cable/Telex:	-/825808
Telephone:	0525 60000
Name of the Head of the Organ:	Mr. R.D. Bell
Title:	Head of Division
No. of Professionals:	10
Main Internal Organization:	
Subject Areas of Concern:	Agricultural engineering. Dry farming.
Specific activities being carried out:	Responsible for the guidance of agricultural engineering aspects of UK agricultural development programmes; Providing agricultural engineering services relevant to the needs of the less developed countries.
New activities planned:	
Publications:	Occasional reports, publications on dryland farming techniques, etc.
Sources of Support:	Government - Overseas Development Administration of the Foreign and Commonwealth Office.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	C806
Name:	Land Resources Development Centre
Address:	Tolworth Tower, Surbiton, Surrey KT6 7DY UNITED KINGDOM
Cable/Telex:	MINISTRANT LONDON/-
Telephone:	01-399 5281
Name of the Head of the Organ:	Mr. A.J. Smyth
Title:	Director
No. of Professionals:	36
Main Internal Organization:	
Subject Areas of Concern:	Land evaluation. Land use. Land resources. Land survey.
Specific activities being carried out:	Land resources surveys. Land planning and pilot development implementation in the tropics and sub-tropics.
New activities planned:	
Publications:	Land resources studies, project reports, biannual progress report, occasional monographs.
Sources of Support:	Government, contract work with international agencies (FAO, UNEP) and funding agencies (IBRD, ADB, AFSED).
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	C807
Name:	Overseas Development Group, Univ. of East Anglia
Address:	Norwich, NR4 7TJ UNITED KINGDOM
Cable/Telex:	-/995801 GLOTLX-G
Telephone:	(0603) 57880
Name of the Head of the Organ:	Mr. G. Coleman
Title:	Managing Director
No. of Professionals:	27
Main Internal Organization:	It is a University department.
Subject Areas of Concern:	Land reclamation. Water management. Rangelands. Pastoralism. Conservation. Environment.
Specific activities being carried out:	Ethiopian land reclamation study; Tanzanian environmental conservation.
New activities planned:	
Publications:	Monographs.
Sources of Support:	International agencies, national governments and various foundations.
Fixed Experimental stations and their activities:	Rural Technology Unit at University of East Anglia.
Source of Information:	R

Code:	C808
Name:	Overseas Development Institute
Address:	10, Percy Street, London WC1P OJB UNITED KINGDOM
Cable/Telex:	PICODI LONDON W1/-
Telephone:	580 76 83
Name of the Head of the Organ:	Mr. T. Killick
Title:	Director
No. of Professionals:	Nine
Main Internal Organization:	
Subject Areas of Concern:	Agriculture. Irrigation systems. Pastoralism. Cultivation systems. Desertification. Rural development and planning. Settlements. Forestry. Social aspects.
Specific activities being carried out:	Policy-oriented research and promotion and exchange of ideas on: Irrigation management, pastoral development, agricultural administration (extensive service). Some work on shifting cultivation/desertification.
New activities planned:	Research, agricultural research, management of common property resources.
Publications:	Newsletters, discussion papers, briefing papers.
Sources of Support:	Government, grants for special research.
Fixed Experimental stations and their activities:	N/A
Source of Information:	R

Code:	C810
Name:	OXFAM
Address:	274, Banbury Rd., Oxford OX2 7D2 UNITED KINGDOM
Cable/Telex:	-/83610
Telephone:	(0865) 567 77
Name of the Head of the Organ:	Mr. F. Judd
Title:	Director
No. of Professionals:	
Main Internal Organization:	Headquarters in Oxford; Regional offices in U.K.; About 30 field offices.
Subject Areas of Concern:	Relief activities. Health. Agriculture. Social aspects. Agroforestry. Water harvesting. Sand dunes. Greenbelts.
Specific activities being carried out:	Tree planting projects; Small scale projects on water harvesting, agroforestry and sand dune stabilization.
New activities planned:	
Publications:	Quarterly newspaper, information sheets, campaigning and educational materials.
Sources of Support:	Donations and income from shops.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	C812
Name:	Department of Geography School of Oriental and African Studies University of London
Address:	Malet St. London WC1E 7HP UNITED KINGDOM
Cable/Telex:	SOASUL LONDON WL1/-
Telephone:	(01) 637-2388
Name of the Head of the Organ:	Mr. J. Sargent
Title:	Reader in Geography
No. of Professionals:	10
Main Internal Organization:	
Subject Areas of Concern:	Geography. Remote sensing. Settlements. Land use. Cultivated lands. Arid lands.
Specific activities being carried out:	Studies on land use and settlement in arid and semi-arid territories of Asia and Africa; Evaluation of the role of remotely sensed imagery in monitoring land use changes in North Africa; Evaluation of agricultural development projects in Senegal and Burkina Faso.
New activities planned:	
Publications:	
Sources of Support:	Government (University).
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	C814
Name:	Dept. Geography University College London
Address:	26, Bedfordway, London W.C.1 UNITED KINGDOM
Cable/Telex:	
Telephone:	01 387 70 50
Name of the Head of the Organ:	Prof. R. Cooke
Title:	Head of Department
No. of Professionals:	28
Main Internal Organization:	
Subject Areas of Concern:	Geomorphology. Arid lands. Training and education.
Specific activities being carried out:	Field research on applied geomorphology in Arabia, Oman, Mediterranean, south west USA and Africa.
New activities planned:	Long term research on environmental appraisal for development initialized in Tunisia, Oman and Saudi Arabia.
Publications:	Books and technical reports.
Sources of Support:	UN, UNU, UNDP, EEC, Governments of Tunisia, Oman, Saudi Arabia, Kuwait.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	C815
Name:	Department of Geography, University of Nottingham
Address:	University Park, Nottingham NG7 2RD UNITED KINGDOM
Cable/Telex:	-/37346 UNINOT G.
Telephone:	(0602) 506101 extn. 3382
Name of the Head of the Organ:	Dr. P. Mather
Title:	
No. of Professionals:	3
Main Internal Organization:	Remote Sensing Unit.
Subject Areas of Concern:	Mapping and cartography. Land surveys. Land classification. Land use. Remote sensing. Soil surveys. Soil erosion. Soil degradation.
Specific activities being carried out:	Analysis of land use changes using Landsat satellite data, air photo cover and ground survey work; Examination of soil degradation/erosion, particularly in the Meru District of Kenya.
New activities planned:	Ground survey work, collection of farm data and land cover data.
Publications:	
Sources of Support:	Economic and Social Research Council, London and Overseas Development Administration.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	C816
Name:	University of Durham, Dept of Geography
Address:	Science Laboratories South Road, Durham DH1 3LE UNITED KINGDOM
Cable/Telex:	
Telephone:	0385-64971
Name of the Head of the Organ:	Prof. I. Simmons
Title:	Director Department of Geography
No. of Professionals:	24
Main Internal Organization:	
Subject Areas of Concern:	Climatology, Remote sensing. Training and education. Greenbelts. Desertification.
Specific activities being carried out:	Climatic impact on Sudan; Remote sensing applications to desertification problems in Tunisia.
New activities planned:	Environmental changes in the gum arabic belt of Sudan.
Publications:	Theses, periodicals.
Sources of Support:	Research Council of the British Government, Sudan Government, post-graduate student fees.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	C817
Name:	Department of Geography University of Cambridge
Address:	Downing Place, Cambridge CB2 3EN UNITED KINGDOM
Cable/Telex:	
Telephone:	Cambridge (0223) 64416
Name of the Head of the Organ:	Prof. R.J. Chorley
Title:	
No. of Professionals:	21
Main Internal Organization:	Academic Research and Teaching.
Subject Areas of Concern:	Irrigation. Arid land management and development. Training and education. Remote sensing. Mapping and cartography. Floods. Environment.
Specific activities being carried out:	Research on natural and man-induced environmental variations in floodplain ecosystems in Nigeria and Kenya; Development of teaching and research facilities for remote sensing imagery interpretation and computer cartography.
New activities planned:	Funding being sought for project on longitudinal studies of environmental change on desert margins using remote-sensed data.
Publications:	Publications through established academic journals and workshop proceedings.
Sources of Support:	Government Research Councils, travel grants from various charitable and university funds.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	C818
Name:	Institute of Development Studies, University of Sussex
Address:	Brighton BN1 9RE UNITED KINGDOM
Cable/Telex:	DEVELOPMENT BRIGHTON/877997 IDSBTN G.
Telephone:	(0273) 60 62 61
Name of the Head of the Organ:	Prof. M. Faber
Title:	Director
No. of Professionals:	50
Main Internal Organization:	Problem Area Groups of: International; Planning and Government; Human resources; Rural.
Subject Areas of Concern:	Rural development and planning. Social aspects. Pastoralism. Forestry. Training and education. Productivity.
Specific activities being carried out:	Training for civil servants and academics; Postgraduate education; Consultancy and research; Pastoral economies in West Africa. Social forestry in South Asia. Work on desertification is a very small part of the activities.
New activities planned:	
Publications:	"IDS-Bulletin" (quarterly), "Discussion Papers" (occasional), "Commissioned Studies" (occasional).
Sources of Support:	Government, income from teaching, consultancy fees and research grants.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	C821
Name:	Dept. of Aeronatics, Imperial College
Address:	1, Horbury Crescent, London W11 3NF UNITED KINGDOM
Cable/Telex:	
Telephone:	(01) 229 51 11
Name of the Head of the Organ:	P.R. Owen
Title:	Professor
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Wind erosion. Sands. Dust movement. Dust storms.
Specific activities being carried out:	Theoretical analyses of dust erosion; Wind tunnel constraint on saltation; Turbulent deposition.
New activities planned:	Development of saltation down stream of a passive surface, dust deposition in porous bodies.
Publications:	Papers in scientific journals.
Sources of Support:	Government, learned societies.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	C822
Name:	Duntech Irrigation Service Ltd.,
Address:	P.O. Box 1, Akrem House 82, Wellington Street Thame, Oxon. OX9 3BN UNITED KINGDOM
Cable/Telex:	-/ 83628 DIRRIG G
Telephone:	Thame (084421) 54 11
Name of the Head of the Organ:	A.J. Enticknap
Title:	Managing Director
No. of Professionals:	10
Main Internal Organization:	
Subject Areas of Concern:	Sand dunes. Irrigation systems. Hydroponics.
Specific activities being carried out:	Feasibility studies; Irrigation systems design; Supply of services and equipment; Project management; Design of hydroponic systems; Dune and soil stabilization.
New activities planned:	
Publications:	
Sources of Support:	Contracts.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	EOOO
Name:	University of New South Wales
Address:	Fowlers Gap, Via Broken Hill 2880 NSW AUSTRALIA
Cable/Telex:	
Telephone:	Fowlers Gap 2
Name of the Head of the Organ:	Dr. C.R. Carter
Title:	Officer-in-Charge
No. of Professionals:	One
Main Internal Organ.:	Research facility for University of N.S.W.
Subject Areas of Concern:	Sheep. Pastoralism. Pastures. Land reclamation. Vegetation. Geography. Geology. Animal behaviour. Animal physiology. Grazing. Remote Sensing.
Specific activities being carried out:	Kangaroo and sheep behaviour, physiology, interaction and effects of grazing on native pastures.
New activities planned:	Remote sensing.
Publications:	Fowlers Gap Research series.
Sources of Support:	University of N.S.W. funds, income from stations and various research funding grants.
Fixed Experimental stations and their activities:	Itself: It is the focal point for the arid zone research carried out by members of various schools from Univ. of N.S.W. and other universities and organizations.
Source of Information:	R

Code:	E001
Name:	Department of Primary Production
Address:	P.O. Box 2134 Alice Springs, N.T. 5250 AUSTRALIA
Cable/Telex:	-/ AA 81285
Telephone:	(089)522344
Name of the Head of the Organ:	Mr. S. Phillpott
Title:	Regional Director
No. of Professionals:	Three
Main Internal Organization:	
Subject Areas of Concern:	Rangelands. Animal production. Grazing. Range management. Animal husbandry.
Specific activities being carried out:	Inventory; Monitoring.
New activities planned:	None.
Publications:	Annual report, occasional papers.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	E002
Name:	Demography Department, Australian National University
Address:	P.O.Box 4, Canberra ACT 2601 AUSTRALIA
Cable/Telex:	NATUNIV CANBERRA /-
Telephone:	495111
Name of the Head of the Organ:	Prof. J.C. Caldwell
Title:	Head of Department
No. of Professionals:	10
Main Internal Organization: Subject Areas of Concern:	Demography. Training and Education. Migration. Nomads
Specific activities being carried out:	Causes of demographic changes in South and East Asia; Analysis of Australian population trends; Demographic changes in Africa including demographic effects of desertification; Graduate training in demography to students from Australia and abroad.
New activities planned:	
Publications:	Monograph series, working papers in demography (irregular), annual report, demographic studies.
Sources of Support:	Government, technical assistance projects.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	E004
Name:	Bureau of Mineral Resources, Geology and Geophysics (BMR)
Address:	GPO Box 378, Canberra 2601 AUSTRALIA
Cable/Telex:	BUROMIN/62109
Telephone:	062 499111
Name of the Head of the Organ:	Prof. R.W.R. Rutland
Title:	Director
No. of Professionals:	Over 200
Main Internal Organization:	BMR consists of four research divisions (the Divisions of Continental Geology, Patrology & Geochemistry, Marine Geosciences & Petroleum Geology, and Geo-physics); a Resource Assessment Division; a geobiological laboratory (the Baas Becking Geobiological Laboratory, jointly staffed by BMR and CSIRO scientists); a Special Projects & Geoscience Services Branch; and a Planning & Programmes Branch.
Subject Areas of Concern:	Crusts. Fossils. Geochemical exploration. Geology. Geomorphology. Groundwater. Geography. Geochemistry. Mapping and cartography. Marine geology. Mineralogy. Hydrology. Hydrogeology. Topography. Water table.
Specific activities being carried out:	BMR carries out research and resource assessment activities to promote the understanding of Australia's hydrocarbon and mineral distribution, origin and resources. These activities provide the framework within which exploration and development of these minerals and petroleum resources can be carried out effectively and efficiently. Research activities are devided into eight major scientific programmes: Fossil fuels; Minerals; Groundwater; Earthquake hazards; National & international geoscience maps; Overseas Programmes; Petroleum & minerals resource assessment; and National geoscience databases.
New activities planned:	
Publications:	Yearbook, BMR research newsletter,Australian mineral industry reviews (annually and quarterly), BMR journal of Australian geology and geophysics, bulletins, reports, records, and many geological and geophysical maps.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	Numerous geomagnetic and sismic monitoring stations.
Source of Information:	R

Code:	E005
Name:	CSIRO Division of Applied Organic Chemistry
Address:	506, Lorimer Street, Fishermans Bend, Vic 3207 AUSTRALIA
Cable/Telex:	CHEMRO MELBOURNE/AA339J1
Telephone:	(03) 647 7222
Name of the Head of the Organ:	Dr. D.H. Solomon FAA, FTS
Title:	Chief of Division
No. of Professionals:	58
Main Internal Organization:	CSIRO Institute of Industrial Technology
Subject Areas of Concern:	Organic Chemistry. Chemical analysis. Chemical controls. Biotechnology. Biochemistry
Specific activities being carried out:	Agrochemical research; New polymen development; Industrial organic chemistry
New activities planned:	
Publications:	Research reports.
Sources of Support:	Government (95%), Industry and others (5%).
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	E008
Name:	CSIRO Division of Horticultural Research
Address:	G.P.O. Box 350, Adelaide, S.A. 5001 AUSTRALIA
Cable/Telex:	-/AA88000
Telephone:	(08) 274 9244
Name of the Head of the Organ:	Dr. J.V. Possingham
Title:	Chief of Division
No. of Professionals:	22
Main Internal Organization:	
Subject Areas of Concern:	Horticulture. Vegetation. Crop response Biotechnology. Plant growth. Plant genetics. Plant physiology. Vegetation management. Saline soils. Saline water. Photosynthesis. Plant breeding. Biochemistry. Irrigated agriculture.
Specific activities being carried out:	The improvement of woody perennial horticultural crops in Australia including a range of tropical and subtropical fruits, nuts and grapevines; Plant breeding for self tolerance and disease resistance; Studies of plant tissue culture, plant molecular biology, virology; Plant adaptation.
New activities planned:	
Publications:	Biennial research report, technical reports
Sources of Support:	Commonwealth Government.
Fixed Experimental stations and their activities:	- HQ (Adelaide): Plant Physiology and biochemistry; - Merbein Lab (Merbein, Vic): Plant Physiology, Irrigated horticulture; - Darwin Lab (Winnellie, N.T.): Tropical horticulture.
Source of Information:	R

Code:	E010
Name:	CSIRO, Div. of Wildlife and Rangelands Research
Address:	Private Bag, P.O. Deniliquin NSW 2710 AUSTRALIA
Cable/Telex:	-/AA 55457
Telephone:	(058) 81 11 33
Name of the Head of the Organ:	Dr. G.N. Harrington
Title:	Officer in Charge
No. of Professionals:	20
Main Internal Organization:	
Subject Areas of Concern:	Arid land management and development. Soil science. Rangelands. Vegetation.
Specific activities being carried out:	Biotic, Edaphic management and monitoring studies.
New activities planned:	
Publications:	Biannual report, monographs and "Arid Zone Newsletter".
Sources of Support:	
Fixed Experimental stations and their activities:	- Deniliquin in N.S.W.; - Alice Springs in N.W.
Source of Information:	R

Code:	E011
Name:	CSIRO Division of Groundwater Research,
Address:	P.B. PO Wembley, Western Australia 6014 AUSTRALIA
Cable/Telex:	-/92178
Telephone:	(09) 387 4233
Name of the Head of the Organ:	Mr. R.A. Perry
Title:	Chief of Division
No. of Professionals:	28
Main Internal Organization:	
Subject Areas of Concern:	Water resources. Remote sensing. Ground water. Water management. Water salinization. Vegetation.
Specific activities being carried out:	Research on ground water dynamics, groundwater recharge and salinity; Remote sensing of salinity and recharge, vegetation and groundwater.
New activities planned:	
Publications:	Divisional reports, journal papers.
Sources of Support:	Government (90%), industry (10%).
Fixed Experimental stations and their activities:	Various in Western Australia.
Source of Information:	R

Code:	E016
Name:	Division of Wildlife and Rangelands Research CSIRO
Address:	P.O. Box 84, Lynehom, A.C.T. 2602 AUSTRALIA
Cable/Telex:	-/62284
Telephone:	(062) 411211
Name of the Head of the Organ:	Dr. B.H. Walker
Title:	Chief of Division
No. of Professionals:	78 (of these 24 work in arid and semi-arid ecosystems).
Main Internal Organization:	
Subject Areas of Concern:	Wildlife. Land resources. Wildlife management. Ecology. Plant population. Animal populations.
Specific activities being carried out:	Studying the ecology of animal and plant populations and providing information concerning processes which control their stability, diversity, productivity and value to Australia.
New activities planned:	
Publications:	"Arid Zone Newsletter" (annually), Division of Wildlife and Rangelands Research technical papers, scientific papers through appropriate journals, other reports on occasional demand.
Sources of Support:	Government (80%), other contributions (20%).
Fixed Experimental stations and their activities:	- Regional laboratories as under Athorton Lab.: Studies of rainforest areas; - Central Australian Laboratory: Studies related to manag. of arid lands; - Darwin Labs: Studies of tropical sub-coastal ecosystems; - Deniliquin Lab.: Dev. of methods and establ. of principles for use and manag. of semi-arid lands; - Helena Valley Lab.: Ecological dynamics of nature reserves in Western Australia.
Source of Information:	R

Code:	E018
Name:	Conservation Commission of the Northern Territory
Address:	Box 1046, P.O. Alice Springs N.T. 5750 AUSTRALIA
Cable/Telex:	-/AA 81191
Telephone:	(089) 50 82 11
Name of the Head of the Organ:	Mr. W.A. Thomas
Title:	Director
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Rangelands. Land reclamation. Land resources. Conservation. Land use. Land management. Shrubs. Irrigation. Land conservation. Pastoralism. Environmental impact. Water reuse. Waste water. Forest fires.
Specific activities being carried out:	Rangeland reclamation; Land rehabilitation; Conservation of flora and fauna; Land use resources assessment and management; Tree and shrub planting using dryland irrigation techniques; Use of waste water and effluents for irrigation; Fire research and management.
New activities planned:	Participation in the National Soil Conservation Programme and National Conservation Strategy, mapping of pastoral lands for efficient land management practices, environmental impact assessment of developments (roads etc.) in arid and semi-arid areas.
Publications:	Annual reports, technical memoranda and reports.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	N/A
Source of Information:	R

Code:	E022
Name:	Soil Conservation Service of New South Wales
Address:	Box R201, Royal Exchange Sydney, New South Wales AUSTRALIA 2001
Cable/Telex:	
Telephone:	(02) 27 95 51, 27 72 35
Name of the Head of the Organ:	Mr. L.D. Longworth
Title:	Commissioner
No. of Professionals:	193
Main Internal Organization:	Works , Advisory, Research, Land Inventory , Technical servicing.
Subject Areas of Concern:	Land reclamation. Erosion control. Soil maps. Soil management. Soil science.
Specific activities being carried out:	Works and land management programmes by projects and extension with landholders and authorities; Research and land inventory.
New activities planned:	Further projects.
Publications:	"Journal of Soil Conservation N.S.W.", soil notes, technical bulletin, maps and occasional papers.
Sources of Support:	State Government, Hunter Valley Trust, private landholders, universities and industry funds.
Fixed Experimental stations and their activities:	Two research centres carrying out research and three research service centres carrying out investigations and extension.
Source of Information:	R

Code:	E023
Name:	Department of Agriculture, South Australia
Address:	G.P.O. Box 1671, Adelaide, S.A. 5001 AUSTRALIA
Cable/Telex:	SAGRIC./88422 SAGRIC
Telephone:	(08) 227 9911
Name of the Head of the Organ:	J.C. McColl
Title:	Director General of Agriculture
No. of Professionals:	370 (in semi-arid areas)
Main Internal Organization:	Resources and Operations.
Subject Areas of Concern:	Agriculture. Pastoralism. Grasslands. Grazing systems. Range grasses. Range Management. Natural resources. Conservation. Horticulture.
Specific activities being carried out:	Assessment and monitoring the rangeland vegetation in in the arid zones; Support to arid lands research work carried out by the Botany Dept. of University of Adelaide.
New activities planned:	To assist pastoralists in the arid zone by investigating their management practices and future needs, develop appropriate policy guidelines consistent with the conservation of natural resources.
Publications:	Fact sheets, technical reports, "State of Agriculture", "Farming Forum".
Sources of Support:	State and Commonwealth Government funding, rural industry research funds, rural credit development funding.
Fixed Experimental stations and their activities:	- At Minnipa; Wambi; Turretfield; Kybybolite; Struan; Northfield: Crop and Livestock Research - At Loxton; Nuriootpa; Lenswood: Horticulture
Source of Information:	R

Code:	E024
Name:	Botany Department University of New England
Address:	Armidale, N.S.W. 2351 AUSTRALIA
Cable/Telex:	-/AA 66050
Telephone:	(067) 73 23 40
Name of the Head of the Organ:	Prof. J.A. Milburn
Title:	Head
No. of Professionals:	8
Main Internal Organization:	
Subject Areas of Concern:	Grazing. Vegetation. Arid land management and development. Grasslands. Plant ecology. Grasses.
Specific activities being carried out:	Grazing effects on semi-arid herbaceous vegetation.
New activities planned:	
Publications:	Articles in periodicals.
Sources of Support:	University of New England.
Fixed Experimental stations and their activities:	Douglas McMaster Rural Research station.
Source of Information:	R

Code:	E025
Name:	University of Queensland, Department of Agriculture
Address:	St. Lucia, Queensland 4067 AUSTRALIA
Cable/Telex:	-/UNIVOLD AA40315
Telephone:	(07) 377 3633
Name of the Head of the Organ:	Dr. L.R. Humphreys
Title:	Head, Department of Agriculture
No. of Professionals:	32
Main Internal Organization:	
Subject Areas of Concern:	Training and education. Agriculture. Range management. Grazing. Grasses. Desert grasslands
Specific activities being carried out:	Teaching postgraduate course in Range Management; A Ph.D project on germination and establishment of invading grasses into desert grasslands.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	E026
Name:	Department of Geology and Mineralogy,
Address:	University of Queensland, St. Lucia, Queensland 4067, AUSTRALIA
Cable/Telex:	BRISBANE UNIVERSITY/UNIVQLD AA40315
Telephone:	Australia (07) 3772375
Name of the Head of the Organ:	Dr. G.R. Orme
Title:	Head of Department
No. of Professionals:	One
Main Internal Organization:	Environmental Geology team within the department of Geology (relevant to desertification).
Subject Areas of Concern:	Geology. Training and education. Water salination. Parks and reserves. Pastoralism. Water resources. Landscapes. Floods.
Specific activities being carried out:	Morphostructural controls upon water and salinisation, particularly in educational parks accessible to research students, farmers, pastoralists
New activities planned:	Further development of an educational park in a seasonally arid area of north Queensland, preparation of an educational text with three-dimensional maps of educational parks, illustrating water guides, and studies of minerals associated with water.
Publications:	Various morphostructural papers dealing with sections of the overall programme, leading to a popular research textbook completed July 1985, an audiovisual cassette dealing with mapping aspects of morphostructural controls of water.
Sources of Support:	University of Queensland, Rural Credit Development Fund of Reserve Bank of Australia, Technical and Further Education Dept. of Queensland.
Fixed Experimental stations and their activities:	- Charters Towers Scientific Station: Primarily an observatory for seismology and geophysics but with opportunities for rough rangeland observations and monitoring in a seasonally arid, tropical granite landscape. - Budekia River Educational Park: To illustrate photostructural monitoring and water interpretation along a tropical 'sand' river subjected to severe arid and flood contrasts.
Source of Information:	R

Code:	E027
Name:	Department of Geography University of Sydney
Address:	Sydney 2006 AUSTRALIA
Cable/Telex:	-/UNISYD 26169
Telephone:	(02) 6923364
Name of the Head of the Organ:	Dr. D.M. Chapman
Title:	Director
No. of Professionals:	23
Main Internal Organization:	
Subject Areas of Concern:	Training and education. Arid land management and development. Irrigation. Geography.
Specific activities being carried out:	Senior level undergraduate courses in arid zone management and irrigated land management.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	E029
Name:	Department of Zoology, University of Western Australia
Address:	Nedlands, Western Australia 6009 AUSTRALIA
Cable/Telex:	
Telephone:	09-380-2237
Name of the Head of the Organ:	Dr. K.T. Zwicky
Title:	Head
No. of Professionals:	18
Main Internal Organization:	
Subject Areas of Concern:	Desert animals. Animal behaviour. Animal ecology. Animal populations.
Specific activities being carried out:	Survey of desert lizards.
New activities planned:	Occasional papers.
Publications:	Australian Research Grants Scheme.
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	E030
Name:	School of Geography, University of New South Wales
Address:	P.O. Box 1, Kensington, N.S.W. 2033 AUSTRALIA
Cable/Telex:	UNITECH, SYDNEY/AA 26054
Telephone:	UNSW: (02) 697 22 22
Name of the Head of the Organ:	Prof. B.J. Garner
Title:	Head of School
No. of Professionals:	14
Main Internal Organization:	
Subject Areas of Concern:	Land evaluation. Land degradation. Rural development and planning. Migration. Training and education in lands. Land management. Geography.
Specific activities being carried out:	Post-graduate training in arid lands management; studies on land evaluation; land degradation and rural reorganization including migration.
New activities planned:	Development of geographic data base system.
Publications:	School of Geography monograph series.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Fowlers Gap Arid Zone Research Station.
Source of Information:	R

Code:	E032
Name:	Land Protection Service
Address:	378, Cotham Road, Kew, Victoria 3101 AUSTRALIA
Cable/Telex:	-/AA 32636
Telephone:	(03) 817 13 81
Name of the Head of the Organ:	R.W. Campbell
Title:	Director
No. of Professionals:	45
Main Internal Organization:	
Subject Areas of Concern:	Erosion. Wind erosion. Saline soils. Dry farming. Water quality. Runoff. Catchments. Land classification. Land conservation. Agriculture. Hydrology. Arid land management and development.
Specific activities being carried out:	Conservation cropping of agricultural land in semi-arid regions.
New activities planned:	
Publications:	Technical communication series, technical reports, scientific papers in scientific periodicals, educational kits and booklets, advisory pamphlets.
Sources of Support:	Government and private industry.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	E033
Name:	Department of Agriculture
Address:	Rangeland Management Branch Jarrah Road, South Perth 6151 W.A. AUSTRALIA
Cable/Telex:	AGDEP Perth/93304,
Telephone:	(09) 3670111
Name of the Head of the Organ:	Mr. D.G. Wilcox
Title:	Principal Adviser
No. of Professionals:	15
Main Internal Organization:	
Subject Areas of Concern:	Rangeland. Range management. Pastoralism. Plant studies. Grazing.
Specific activities being carried out:	Range research in plants, aerial surveys and monitoring of range condition; Range extension to pastoralists; Grazing
New activities planned:	
Publications:	Bulletins, newsletters, technical reports.
Sources of Support:	Government
Fixed Experimental stations and their activities:	At Ord River Station via Kununurra W.A. 6743 and, Fox River Station Via Halls Creek. W.A. 6770: Grazing trials, genotype evaluation, husbandry techniques.
Source of Information:	R

Code:	E041
Name:	Department of Botany, University of Adelaide
Address:	GPO Box 498, Adelaide, South Australia 5001 AUSTRALIA
Cable/Telex:	UNIVAD / AA89141
Telephone:	(086) 228 53 33
Name of the Head of the Organ:	Dr. G.G. Ganf
Title:	Chairman
No. of Professionals:	8
Main Internal Organization:	
Subject Areas of Concern:	Botany. Training and education. Rangelands. Ecology.
Specific activities being carried out:	Short courses in rangeland ecology (including reference to desertification) for advanced students.
New activities planned:	
Publications:	Annual report published by CSIRO in the Arid Zone Newsletter.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- T.G.B. Osborn Vegetation reserve at Koonamore S.A.: Arid zone vegetation studies; - Middleback Field Centre for Arid Zone Studies, near Whyalla, S.A.: Residential classes and post-graduate fieldwork.
Source of Information:	R

Code:	E048
Name:	School of Wool and Pastoral Science, University of New South Wales
Address:	P.O. Box 1, Kensington, N.S.W. 2033 AUSTRALIA
Cable/Telex:	UNITECH/AA 26054
Telephone:	(02) 697 4482
Name of the Head of the Organ:	J.P. Kennedy
Title:	Associate Professor
No. of Professionals:	14
Main Internal Organization:	
Subject Areas of Concern:	Training and education. Sheep. Range management. Soil science. Plant studies. Animal production. Range lands. Animal behaviour. Pastoralism.
Specific activities being carried out:	B.Sc., M.Sc. and Ph.D. courses; Research on sheep science, wool science and range management.
New activities planned:	
Publications:	"Wool Technology and Sheep Breeding" (periodical).
Sources of Support:	Government, Australian Wool Corporation, Australian Meat Research Committee, FAO.
Fixed Experimental stations and their activities:	- Fowlers Gap Arid Zone Research Station: Wide range of research on soils, plants and animals in rangelands.
Source of Information:	R

Code:	E050
Name:	School of Agriculture University of Western Australia
Address:	Nedlands, W.A. 6009 AUSTRALIA
Cable/Telex:	
Telephone:	380 25 05
Name of the Head of the Organ:	A.D. Robson
Title:	Prof. of Agriculture (Social Sciences)
No. of Professionals:	40
Main Internal Organization:	Six academically led groups.
Subject Areas of Concern:	Soil chemistry. Soil physics. Soil science. Soil fertility. Mineralogy. Soil microbiology. Plant nutrition. Soil properties. Training and education in soils.
Specific activities being carried out:	Research and teaching in soil chemistry, pedology, mineralogy, plant nutrition, soil fertility, soil microbiology.
New activities planned:	Studies of soil properties in relation to productivity and susceptibility to degradation.
Publications:	Research papers and annual research report.
Sources of Support:	Government and external funding.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	E200
Name:	Botanical Survey of India (BSI)
Address:	P.O. Botanic Garden Howrah-711103 West Bengal INDIA
Cable/Telex:	BOTSURVEY/-
Name of the Head of the Organ:	Dr. M.P. Nayar
Title:	Director
No. of Professionals:	279 (eight in the arid zone circle).
Main Internal Organization:	Nine regional circles, situated in different phytogeographical regions of the country.
Subject Areas of Concern:	Ecosystems. Parks and reserves. Flora. Desert plants. Forage plants. Endangered species. Conservation. Vegetation. Fuel wood. Environmental impact.
Specific activities being carried out:	Floristics; Ecosystem analysis; State flora of Rajasthan; Use of lesser known economic plants for fodder and fuel.
New activities planned:	Impact of canal irrigation on the ecosystem of Rajasthan desert; National flora Siraska ranthambhore, Ghana; conservation of endangered species.
Publications:	Books and research papers.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Arid zone circle, BSI, D-7, Shastri Nagar, Jodhpur-343801, INDIA.
Source of Information:	R

Code:	E201
Name:	Centre for the Study of Developing Societies
Address:	29, Rajpur Road, Delhi - 110054 INDIA
Cable/Telex:	POLITY/-
Name of the Head of the Organ:	D. L. Sheth
Title:	Director
No. of Professionals:	21
Main Internal Organization:	
Subject Areas of Concern:	Economic development. Social aspects. Human factors studies. Settlements. Environment.
Specific activities being carried out:	Development theory and practice; Politics and society, organizational studies; Sectors of: Stress; Science and culture; Environment and development.
New activities planned:	
Publications:	Books and journals.
Fixed Experimental stations and their activities:	None.
Source of information:	R

Code:	E203
Name:	Central Arid Zone Research Institute
Address:	Jodhpur 342003 Rajasthan INDIA
Cable/Telex:	ARID ZONE/-
Telephone:	219 84, 222 88
Name of the Head of the Organ:	Dr. K.A. Shankarnarayan
Title:	Director
No. of Professionals:	115
Main Internal Organization:	Plant Studies. Soil-water-plant relationship. Animal behaviour. Human factor studies. Training, and education. Economics. Desert ecology. Alternate energy. Pest management and control. Nitrogen fixation. Arid land management and development. Agricultural engineering. Biotechnology.
Specific activities being carried out:	Basic resource survey; Plant studies; Animal studies; Soil-water-plant relationship; Human factor studies; Extension and training; Economics; Desert ecology; Alternate energy utilization; Pest control; Symbiosis; Nitrogen fixation; Biotechnology; Agricultural engineering.
New activities planned:	
Publications:	Monographs, research and technical bulletin.
Sources of Support:	Government, Indian Council of Agricultural Research.
Fixed Experimental stations and their activities:	- At Bikaner, Jaisalmer and Pali.
Source of Information:	R

Code:	E204
Name:	Central Soil Salinity Research Institute
Address:	Karnal - 132001 INDIA
Cable/Telex:	SALINIT KARNAL INDIA/-
Telephone:	38 74
Name of the Head of the Organ:	Dr. I.P. Abrol
Title:	Director
No. of Professionals:	60
Main Internal Organization:	Research; Administration; Extension; Library and Farm Units.
Subject Areas of Concern:	Soil science. Agronomy. Genetics. Plant physiology. Economics. Water quality. Saline water. Saline soils. Appropriate technology. Land reclamation. Ground water. Remote sensing. Biotechnology.
Specific activities being carried out:	Adoption of appropriate technologies for: Reclamation of alkaline soils; Reclamation of inland saline soils; Management of coastal saline soils; Improving methods of utilization of saline ground water resources.
New activities planned:	Use of remote sensing methods and bio-technology in reltion to management of salt affected soils.
Publications:	Annual reports, technical bulletins, research and extension papers.
Sources of Support:	Government, donor organisations.
Fixed Experimental stations and their activities:	- At Canning Town in West Bengal.
Source of Information:	R

Code:	E207
Name:	Centre for the Application of Science and Technology for Rural Areas
Address:	Indian Institute of Science Bangalore 12 INDIA
Cable/Telex:	
Telephone:	344 11 extn. 447
Name of the Head of the Organ:	Prof. K.S. Jagadish
Title:	Convener
No. of Professionals:	35
Main Internal Organization:	
Subject Areas of Concern:	Settlements. Energy. Rural development and planning. Agriculture. Water management. Forestry.
Specific activities being carried out:	
New activities planned:	Start another rural centre.
Publications:	Individual reports.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- UNGRA, 115 Kms from Bangalore.
Source of Information:	R

Code:	E208
Name:	Indian Association of Biological Sciences
Address:	Life Science Centre, Calcutta University, 5, Ballygunge Circular Road Calcutta 700 019 INDIA
Cable/Telex:	
Telephone:	47 36 81
Name of the Head of the Organ:	Prof. T.M. Das
Title:	
No. of Professionals:	19
Main Internal Organization:	
Subject Areas of Concern:	Environment. Conservation. Biomes. Ecology. Plant studies. Air pollution.
Specific activities being carried out:	To promote biological and environmental science by organizing and collaborating in national and international symposia, workshops, field study, researches and publishing books, journals and monographs.
New activities planned:	To collaborate in research on plant response to air pollution.
Publications:	"Indian Biologist", "Environs" (annual).
Sources of Support:	Government (Indian Council of Agricultural Research), Indian National Science Academy, subscriptions.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	E209
Name:	Indian Society of Desert Technology.
Address:	Faculty of Engineering, University of Jodhpur Jodhpur, INDIA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Dr. A. Singh
Title:	General Secretary
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Desert animals. Desert ecology. Desert plants. Desert soils. Dry farming. Agriculture. Alternate energy. Water resources.
Specific activities being carried out:	Organizing national conferences on desert technology every 3 years.
New activities planned:	
Publications:	"Transactions of Indian Society of Desert Technology and University Centre of Desert Studies" (biannual).
Sources of Support:	University of Jodhpur.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	E211
Name:	International Crops Research Inst. for the Semi-Arid Tropics (ICRISAT)
Address:	ICRISAT Patancheru P.O. Andhra Pradesh 502 324 INDIA
Cable/Telex:	CIRSAT, HYDERABAD/0152-203
Telephone:	22 40 16
Name of the Head of the Organ:	Dr. L.D. Swindale
Title:	Director General
No. of Professionals:	86
Main Internal Organization:	Seven research programmes; Eight research support divisions; and five administrative support divisions
Subject Areas of Concern:	Plant breeding. Dry farming. Crops. Crop prod.. Plan genetics. Entomology. Plant pathology. Plant physiology. Plant biology. Agronomy. Soil physics. Soil chemistry. Agricultural engineering. Agricultural climatology. Social aspects. Economic dev.. Arid land dev. and manag..
Specific activities being carried out:	Multidisciplinary agricultural research in: : Plant genetics; Entomology; Pathology; Physiology; Microbiology; Agronomy; Soil physics; Chemistry; Engineering; Agroclimatology; Biochemistry and Socio-economics.
New activities planned:	Research on farming systems and economics is being integrated, the work is also being extended to West Africa through ICRISAT Sahelian Centre at Sadore nea Niamey, Niger.
Publications:	Annual reports, research highlights (annual), research bulletins, information bulletins, bibliogaphies, conference proceedings, newsletters, plant material descriptions, General audience publications.
Sources of Support:	Donor support throught the CGIAR including governments and agencies of Australia, Belgium, Canada, FRG, France, India, Italy, Japan, Mexico, th Netherlands, New Zealand, Nigeria, Norway, Sweden, Switzerland, U.K. , USA, and the following international and private organizations: EEC, World Bank, IBPGR, IDRC, IFDC, IFAD, Levehhulme Trust, OPEC, Rockefeller Foundation, UNDP, UNEP, WMO.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	E212
Name:	International Commission on Irrigation and Drainage
Address:	48, Nyaya Marg, Chanakyapuri, New Delhi - 110 021 INDIA
Cable/Telex:	INTCOIR
Telephone:	301 68 37, 301 49 62, 301 56 79
Name of the Head of the Organ:	K.K. Franji
Title:	Secretary-General
No. of Professionals:	4
Main Internal Organization:	
Subject Areas of Concern:	Irrigation. Drainage. Agriculture. Economic development. Ecology. Water management. Flood control. Rivers. Stream flow. Engineering. Land management.
Specific activities being carried out:	Stimulates and promotes the development and application of the arts, sciences and techniques of engineering, agriculture, economics, ecology and social sciences in managing water and land resources for irrigation, drainage, flood control and river training.
New activities planned:	
Publications:	Bulletin (bi-annual), global reviews, bibliography (annual), transactions and proceedings of the Commission's congress, state-of-the-art publications.
Sources of Support:	Voluntary annual subscriptions from 80 countries.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	E214
Name:	Water Development Society
Address:	C21 C5 - Industrial Estate, Maula Ali Hyderabad 500 040 INDIA
Cable/Telex:	ROCK RIG/-
Telephone:	851411, 851054
Name of the Head of the Organ:	Mr. J.S D. David
Title:	Managing Director
No. of Professionals:	60
Main Internal Organization:	
Subject Areas of Concern:	Appropriate technology. Ground water. Agriculture. Crop production. Forestry. Rural development and planning. Social aspects. Soil management. Water quality. Health. Training and education in agriculture. Solar energy. Land reclamation.
Specific activities being carried out:	Ground water investigations; Water quality studies; Social forestry; Rural health; Out-reach programmes.
New activities planned:	Nutrition and childhood disability studies, windmill and solar pump studies, arid land reclamation studies, desertification studies. Rehabilitation of sick wells.
Publications:	Annual reports.
Sources of Support:	Income from the sales of water well DTH rigs.
Fixed Experimental stations and their activities:	- Wamerti: Water and mineral exploration research and training institute - Farmers Service Centre.
Source of Information:	R

Code:	E215
Name:	Zoological Survey of India Desert Regional Station
Address:	Paota 'B' Road, 3rd Street. Jodhpur 342006, Rajasthan, INDIA
Cable/Telex:	ZOOLSUR JODHPUR/-
Telephone:	207 44
Name of the Head of the Organ:	Dr. R.K. Varshney
Title:	Officer-in-Charge
No. of Professionals:	17
Main Internal Organization:	
Subject Areas of Concern:	Fauna surveys. Insects. Reptiles. Mammals. Ecology. Vertebrates. Invertebrates.
Specific activities being carried out:	Collection, preservation, identification, classification, care and maintenance of vertebrates and invertebrate animals; Field surveys; Publication of research work.
New activities planned:	Studies on coccids (scale insects and mealybugs), reptiles, isopterra, coleoptera and plant mites.
Publications:	"Fauna of India", records, memoirs and monographs are published through Zoological Survey of India headquarters.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- At Jodhpur Desert Regional Station: Faunistic surveys in various parts of Rajasthan and Gujarat, maintanance of a museum, library, photography, artist and taxidermist units.
Source of Information:	R

Code:	E218
Name:	Physical Research Laboratory
Address:	Navrangpura, Ahmedabad 380009 INDIA
Cable/Telex:	RESEARCH, AHMEDABAD, INDIA/-
Telephone:	46 21 29
Name of the Head of the Organ:	Prof. S.P. Pandya
Title:	Director
No. of Professionals:	100
Main Internal Organization:	Archaeology - Hydrology area.
Subject Areas of Concern:	Environment. Mountains. Erosion. Ecology. Hydrology. Runoff. Sediments. Soil erosion. Soil-water movement. Catchments.
Specific activities being carried out:	High resolution palaeoenvironmental research in Kashmir and Rajasthan; Hydrological studies in Gujarat and Rajasthan.
New activities planned:	Palaeoenvironmental and archaeological studies in the Narmada Valley and soil erosion in central Himalayas.
Publications:	Monographs, books, and research papers in international and national journals.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Site study in central Himalayas for soil erosion research; Establishment of microcatchments on the hillslopes for measuring runoff and various sediment loads.
Source of Information:	R

Code:	E219
Name:	Department of Special Assistance in Biosciences, Saurashtra University
Address:	Rajkot 360 005, INDIA
Cable/Telex:	BIOSCIENCES, UNIVERSITY, RAJKOT/-
Telephone:	28991-8
Name of the Head of the Organ:	
Title:	Vice-Chancellor, Saurashtra
No. of Professionals:	15
Main Internal Organization:	
Subject Areas of Concern:	Ecosystems. Desertification control. Arid lands development and management. Environment.
Specific activities being carried out:	Analysis of ecosystems; Inventory and monitoring of the structure and functions of: already desertified arid zones in western India, dry and sub-humid zones in central India under threat of desertification, and adjoining semi-arid lands likely to be desertified soon.
New activities planned:	
Publications:	Periodical reports.
Sources of Support:	Government and Saurashtra Univ. grant commission.
Fixed Experimental stations and their activities:	- Jaisalmer; - Barmer; - Bikamer.
Source of Information:	R

Code:	E220
Name:	School of Plant Ecology, University of Jodhpur
Address:	Dept. of Botany P.O. Box 14, Jodhpur 342001 INDIA
Cable/Telex:	
Telephone:	22606
Name of the Head of the Organ:	Prof. D.N. Sen
Title:	
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Desert plants. Desert ecology. Desert soils. Agriculture. Climatology. Rain-fed agriculture. Saline soils. Land reclamation. Plant adaptation. Plant biology.
Specific activities being carried out:	Plantation of drought resistant species at several sites in Rajasthan; Disemination of useful information on the adaptive biology and ecology of Indian desert plants.
New activities planned:	Reclamation of saline lands of Rajasthan. Management of arid agro-ecosystem for higher crop yields under rainfed conditions.
Publications:	Research papers, books, "Geobios" (bi-monthly), "Geobios New Reports" and "Indian Review of Life Science" (annual).
Sources of Support:	University of Jodhpur.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	E222
Name:	Kelansar Vikas Samiti
Address:	VPO Kelansar Via AAU-342311 DT. Jodhpur, Rajasthan, INDIA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	H.S. Bishnoi
Title:	Chairman
No. of Professionals:	2
Main Internal Organization:	
Subject Areas of Concern:	Natural resources. Ecosystems. Desertification control. Desert ecology. Desert soils. Afforestation. Desert plants. Desert grasslands. Water resources.
Specific activities being carried out:	Pilot study project on regeneration of desert environment in Kelansar
New activities planned:	Development of water resources, afforestation and cattle, desertification control through grass and trees and making people aware of the dangers of desertification.
Publications:	
Sources of Support:	Government, development assistance and organizations from other countries.
Fixed Experimental stations and their activities:	- Kelansar.
Source of Information:	R

Code:	E300
Name:	Kyushu University - Irrigation Eng. Lab.,
Address:	G-10-1, Higashi-Ku, Fukuoka 812 JAPAN
Cable/Telex:	
Telephone:	(092) 641 11 01 extn. 6269
Name of the Head of the Organ:	Dr. T. Cho
Title:	Professor
No. of Professionals:	5
Main Internal Organization:	
Subject Areas of Concern:	Irrigation. Water resources. Soil physics. Water management. Irrigation effects. Irrigation practices.
Specific activities being carried out:	Research on irrigation and water management of arid lands in Iran.
New activities planned:	Research on water management of arid lands.
Publications:	"Irrigation Engineering Research" (periodical).
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	E301
Name:	Sand Dune Research Institute, Tottory University
Address:	1390 Hamasaka, Tottori 680 JAPAN
Cable/Telex:	
Telephone:	(0857) 23 34 11
Name of the Head of the Organ:	Prof. A. Matsuda
Title:	Director
No. of Professionals:	12
Main Internal Organization:	Divisions of: Plant production; Meteorological environment; Hydrology and irrigation; Arid land agroecology; Arid land agroscience and Arid land agricultural information and analysis.
Subject Areas of Concern:	Agriculture. Crop Response. Cultivation systems. Climatology. Hydrology. Irrigation. Drainage. Water management. Water resources. Irrigation systems. Plant ecology. Salinity. Plant physiology. Information. Sand dunes.
Specific activities being carried out:	Basic and applied studies on the characteristics and growing techniques of field crops and vegetables; Elucidation of the characteristics of the meteorological environment; Establ. of tech. for environmental control; Dev. of preventive methods against meteorological hazards; Studies on hydrology and irrigation; Dev. and utilization of agricultural water resources; Efficient use of irrigation water; Studies on ecological characteristics of crops and plants; Studies on the physiological mechanism of crops for resistance to drought and salinity; Co-operative research on agricultural dev.. Studies on compiling a data base of agricultural information.
New activities planned:	
Publications:	"Bulletin of the Sand Dune Research Institute" (annually), "Sand Dune Research" (biannually).
Sources of Support:	
Fixed Experimental stations and their activities:	Itself.
Source of Information:	R

Code:	E302
Name:	Department of Geography, University of Tokyo
Address:	Bunkyo-ku, Hongo Tokyo, JAPAN
Cable/Telex:	TOKUNIVRIGAKU TOKYO/-
Telephone:	(03) 812 2111 Ext. 4561
Name of the Head of the Organ:	Prof. Y. Sakaguchi
Title:	Head
No. of Professionals:	7
Main Internal Organization:	
Subject Areas of Concern:	Desertification. Climatology. Geography.
Specific activities being carried out:	Field Survey and Climatological research.
New activities planned:	
Publications:	Bulletin of the Department of Geography, University of Tokyo
Sources of Support:	Government.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	E400
Name:	Directorate of Land Reclamation Punjab
Address:	Canal Bank Moghalpura, Lahore-15 PAKISTAN
Cable/Telex:	
Telephone:	33.17 68
Name of the Head of the Organ:	Mr. M.N. Ahmad
Title:	Director
No. of Professionals:	114
Main Internal Organization:	Laboratory; Field research; Field reclamation.
Subject Areas of Concern:	Salinate soils. Irrigation systems. Irrigation practices. Land reclamation. Soil chemistry.
Specific activities being carried out:	Research in chemicals and soils at research laboratory; Lysimeter studies and field experimental stations in different locations of Punjab province.
New activities planned:	Expansion of research on multiple problems relating to land reclamation particularly on saline and sodic soils.
Publications:	Periodicals, monographs (156 have been published).
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- One central chemical and soil research laboratory - Nine field experimental stations: Experimentation and demonstration of land reclamation techniques to the farm peasantry.
Source of Information:	R

Code: E403

Name: Pakistan Agricultural Research Council

Address: K-13, Al-Markaz, F-/72
P.O. Box 1031, Islamabad
PAKISTAN

Cable/Telex: AGRESCOUNCIL/-

Telephone: 82 39 76

Name of the Head of the Organ: Dr. A. Muhamed

Title: Chairman

No. of Professionals: 150

Main Internal Organization:

Subject Areas of Concern: Arid land manag. and dev.. Crops. Livestock. Rangelands. Social aspects. Dry farming. Water manag.. Plant adaptation. Soil classification. Soil chemistry. Soil properties. Forage prod.. Land manag.. Water harvesting. Sheep. Grazing. Drought tolerance.

Specific activities being carried out: To establish a national research capability and a network of four research stations to tackle problems of arid lands and dev. techniques; To identify problems in the dev. of crops, livestock, rangelands and the socio-economic sector of arid lands; To collect and analyse statistical data for arid areas.

New activities planned: Improvement of winter cereals and other dryland crops, adaptation of useful wild plants in arid lands, dev. of systems for water application and distribution of crops in arid zones, soil classification in arid areas, soil conserv. practices and their effects on food and forage crops, dev. of techniques for water harvesting, sheep raising and grazing systems, assessments of livestock prod., identification of drought tolerant and nutritious forage species suitable for arid zones, development of suitable utilization system integrating use of farm crops range vegetation and manag. of livestock under nomadic and transhuman grazing systems.

Publications: "Pakistan Journal of Agricultural Research", "Progressive Farming", "PARC Newsletter", brochures, directories, review papers.

Sources of Support: Government.

Fixed Experimental stations and their activities:
- National Agricultural Research Centre, Islamabad;
- Arid Zone Research Institute, Quetta;
- Southern Zone Agricultural Research Station, Sujawal;
- Karakorum Agricultural Research Station, Gilgil;
- Hill Agricultural Research Station, Kaghan;
- Grain Storage Lab., Karachi;
- Vertebrate Pest Control Labs., Karachi;
- Pesticide Research Lab., Karachi.

Source of Information: R

Code:	E407
Name:	Soil Survey of Pakistan
Address:	Multan Road, Lahore - 18 PAKISTAN
Cable/Telex:	PAKSOILS/-
Telephone:	43 13 77
Name of the Head of the Organ:	Dr. M.B. Choudhri
Title:	Director General
No. of Professionals:	60
Main Internal Organization:	Three directorates
Subject Areas of Concern:	Soil Surveys. Soil Classification. Mapping and cartography. Land use. Soil erosion. Soil formation. Soil maps. Water analysis. Wind erosion. Soil properties. Water erosion. Salinity. Water logging. Vegetation. Desertification control.
Specific activities being carried out:	Assessment and mapping of soils at various levels including soil problems such as: water erosion, wind erosion, salinity, sodicity, water logging and vegetation cover; Preparation of land capability, land use and land form maps and reports; Soil and water analysis; Creation of awareness of proper land use; Transfer of soil manag. tech. to agriculture extension workers; Participation in desertification combat programmes in the country.
New activities planned:	
Publications:	Soil survey reports, articles on national soil and agric. problems, popular booklets, pamphlets on soils.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	E408
Name:	Cholistan Institute of Desert Studies Islamia University
Address:	Bahawalpur PAKISTAN
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	M.A. Tahir
Title:	Joint Director
No. of Professionals:	5
Main Internal Organization:	
Subject Areas of Concern:	Grasses. Shrubs. Livestock. Desert ecology. Desert plants. Desert grasslands. Biogas technology. sheep. Cattle. Water supply. Vegetation.
Specific activities being carried out:	Improvement of the quality and quantity of palatable grasses, shrubs, etc. for the better health and increased population of sheep, cows and camels; To provide drinking water to the inhabitants; Introduction of biogas to eradicate the use of bushes and trees as fuelwood.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	E500
Name:	Institute of Geography, Arzeb SSR Academy of Sciences
Address:	31, Narimanov Avenue, Baku 370143, USSR
Cable/Telex:	
Telephone:	382900
Name of the Head of the Organ:	
Title:	
No. of Professionals:	50
Main Internal Organization:	
Subject Areas of Concern:	Arid land development and planning. Land management. Land conservation. Land use.
Specific Activities being carried out:	Complex irrigation in the arid regions of the Azerbaijan.
New activities planned:	Rational utilization of the arid zones of the country.
Publications:	Transactions of the Institute of Geography, reports.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- At: Sarijallar; Shamakhi; Absheron; Ujar; and Jafarkhan.
Source of Information:	R

Code:	E501
Name:	Institute of Soil Science and Photosynthesis
Address:	Pushchino, Moscow Region 142292, U.S.S.R.
Cable/Telex:	INSTITUTE of Soil Science PUSHCHINO, Moscow Region 142292 USSR
Telephone:	923 35 58
Name of the Head of the Organ:	Mr. M.S. Kuznetsov
Title:	Director
No. of Professionals:	200
Main Internal Organization:	Laboratories and groups.
Subject Areas of Concern:	Environment. Nature protection. Soil management and conservation. Irrigation systems. Desertification control. Soil science. Photosynthesis. Soil properties. Soil amendment.
Specific activities being carried out:	Predicting changes in soil properties in the process of their amelioration; Programme for partial redistribution of the flow of north-bound rivers to the south.
New activities planned:	Continuation of the same and control of agrocenosis bioproductivity.
Publications:	Monographs, collective works, papers and reports.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	Pushchino: Mostly agrochemical techniques and methods.
Source of Information:	R

Code:	E503
Name:	Chair of General Soil Science Faculty of Soil Science Moscow State University
Address:	Moscow 119899 GSP USSR
Cable/Telex:	Moscow 119899 Pochvovedenie/-
Telephone:	139 17 16
Name of the Head of the Organ:	Prof. G.B. Rozanov
Title:	Head of the Chair
No. of Professionals:	46
Main Internal Organization:	Desertification group.
Subject Areas of Concern:	Desertification. Land use. Land conservation. Land evaluation. Soil degradation. Ecology.
Specific activities being carried out:	Development of desertification assessment and monitoring parameters; Development of desertification prevention strategy and combat in different ecological settings.
New activities planned:	
Publications:	Scientific articles through periodicals e.g. "Pochvovedenie", "Problemy osvoenija pustyn", "Vestnik Moskovskogo Universteta", monographs.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	E600
Name:	Economic and Social Commission for Asia and Pacific (ESCAP)
Address:	United Nations Building, Rajdamnern Avenue, Bangkok 10200 THAILAND
Cable/Telex:	ESCAP BANGKOK/7882392
Telephone:	(282) 9161, 9171, 9181, and 9191
Name of the Head of the Organ:	Mr. S.A.M.S. Kibria
Title:	Executive Secretary
No. of Professionals:	
Main Internal Organization:	Divisions of: ESCAP/UNIDO Industry; Agriculture; International trade; Transport and communication; Natural resources; Social dev.; Administration; Statistics; Dev. planning; Population.
Subject Areas of Concern:	Desertification control. Arid land development and management.
Specific activities being carried out:	Identification of problems in the implementation of the plan of action to combat desertification; Review of technology available within the region for development and management of arid lands as well as monitoring desertification processes.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(6)

Code:	G100
Name:	Forestry and Range Organization
Address:	P.O. Box 19/564, Teheran, IRAN
Cable/Telex:	
Telephone:	6126
Name of the Head of the Organ:	M.Z. Zadeh
Title:	Deputy Minister of Agriculture in Forestry and Range affairs.
No. of Professionals:	120
Main Internal Organization:	Bureau of Sand dune fixation and desertification combat.
Subject Areas of Concern:	Sand dunes. Sand control. Planting management. Forests. Forestry. Desert plants. Desertification control. Wind erosion. Land conservation. Land reclamation. Land resources. Land use. Plant adaptation. Afforestation.
Specific activities being carried out:	Fixation of shifting sand dunes with petroleum mulch, wind breaks, and by planting forest and range plant species.
New activities planned:	Extension of afforestation activities, emphasis on planting activities in desertified lands, utilization of rehabilitation areas.
Publications:	Technical notes, guidelines and handbooks.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	Research Institute of Forestry and Range does the necessary research in different parts of the country.
Source of Information:	R

Code:	G102
Name:	Dept. of Environment
Address:	P.O. Box 4335, Teheran, IRAN
Cable/Telex:	ENVIRONMENT, RAN/-
Telephone:	89 12 61-9
Name of the Head of the Organ:	Dr. H. Manafi
Title:	Assist. Prime Minister and Director of the Dept. of Environment
No. of Professionals:	More than 500
Main Internal Organization:	Environment Research Bureau.
Subject Areas of Concern:	Conservation. Land use. Land management. Wildlife. Parks and reserves. Desertification control.
Specific activities being carried out:	Anti-desertification activities are carried out by determination of protected areas, national parks and wildlife sanctuaries.
New activities planned:	Rational management of resources together with proper land use plans.
Publications:	Technical reports and monographs.
Sources of Support:	Government
Fixed Experimental stations and their activities:	Game guard posts and stations are located in important arid areas of Iran. These stations are active in the field of environmental conservation.
Source of Information:	R

Code:	G104
Name:	Research Institute of Forest and Rangeland.
Address:	P.O. Box 13185 - 116, Teheran, IRAN
Cable/Telex:	
Telephone:	94 41 99
Name of the Head of the Organ:	Mr. S.M. Mir-Mohammady
Title:	
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Watershed management. Sand dunes. Sand control. Drought. Drought tolerance. Plant adaptation. Plant physiology. Water allocation. Water management. Water resources. Water supply.
Specific activities being carried out:	Studies on water relation in sands, different wind break types, mulch, plant ressistance to drought; Studies on the origin of sand dunes.
New activities planned:	Water spreading research (floods) and water supply.
Publications:	Monographs and irregular publications.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Ahwaz (Khozestan); - Estehan; - Sabzevar.
Source of Information:	R

Code:	G200
Name:	Agricultural and Water Resources Research Centre (AWRC)
Address:	Council of Scientific Research, P.O. Box 2416, Jadiriya, Baghdad IRAQ
Cable/Telex:	BATHILMI (212187) IK
Telephone:	751 20 80
Name of the Head of the Organ:	Dr. S.A.H. Al-Shakir
Title:	Director General
No. of Professionals:	312
Main Internal Organization:	Departments of: Plant production; Animal production; Water resources; Dates and Palms; Soil and Hydrology.
Subject Areas of Concern:	Soil chemistry. Soil microbiology. Soil fertility. Soil physics. Morphology. Soil classification. Soil management. Ground water. Hydrology. Water quality. Agricultural climatology. Sediments. Agronomy. Plant pathology. Weed control. Plant nutrition. Vegetation. Plant genetics. Range management. Horticulture. Anima production. Animal husbandry.
Specific activities being carried out:	Each department is carrying out intensive research activities in the areas specified above, specially in relation to the most urgent problems facing agric. an range dev.; Assessment of the local breeds of ruminants; Nutrient requirements and poultry breeding to establish an Iraqi local breed of poultry.
New activities planned:	
Publications:	"Jaawr", newsletters, monographs.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Dalmag: Research in soil and soil reclamation, wate management; - Alhartha, Babil and Azeeziya: Cultivation and prod of date palms; - Ishaki: Agronomy and production; - Hadeetha: Improvement and dev. of vegetation cover in arid lands; - Fudhaliya: All types of agricultural research.
Source of Information:	R

Code:	G201
Name:	Department of Agriculture and Agrarian Reform
Address:	Abu Ghraib, IRAQ
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Mr. B.R. Sardast
Title:	Director General
No. of Professionals:	20
Main Internal Organization:	
Subject Areas of Concern:	Rangeland management. Grazing. Sand dunes. Wildlife management. Erosion control. Saline soils. Sand control. Plant adaptation. Vegetation. Grazing systems
Specific activities being carried out:	Studies on grazing pressure and control on 150,000 ha; Studies on introduction and development of range plants on 2,300 ha approximately; Sand dune fixation; Protection and propagation of wildlife; Survey of rangelands and identification of density, type and distribution of plant cover; Survey of flooded areas; Introduction of range plants specially Atriplex and Salsola species; Sand dune fixation through tree planting; Erection of earth dams to control erosion; Studies of grazing rotations; Adaptation of range plants to different types of soil, levels of salinity and moisture.
New activities planned:	
Publications:	Annual reports, occasional books.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	(2)

Code:	G202
Name:	University of Baghdad Colleges of Agriculture and Science
Address:	Baghdad, IRAQ
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	
Title:	
No. of Professionals:	275
Main Internal Organization:	
Subject Areas of Concern:	Salinity. Drainage. Irrigated soils. Plant taxonomy. Plant ecology. Hydrogeology. Sand dunes. Saline soils. Training and education.
Specific activities being carried out:	
New activities planned:	
Publications:	"Iraqi Journal of Agricultural Sciences", "Annual Bulletin".
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	(2)

Code:	G203
Name:	College of Agriculture and Forestry University of Mousil
Address:	Mousil, IRAQ
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Dr. D.G. Alawi
Title:	Dean
No. of Professionals:	62 (20% devoted to research)
Main Internal Organization:	
Subject Areas of Concern:	Saline soil. Drainage. Ecology. Environment. Forestry. Soil classification. Plant ecology. Plant taxonomy. Training and education.
Specific activities being carried out:	Research projects in various agricultural fields; The College of Agriculture offers normal curricula leading to BSc. and MSc. in soils, animal production and agricultural economics and forestry, a Ph.D. programme in forestry is also offered.
New activities planned:	
Publications:	
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	(2)

Code:	G204
Name:	Department of Plant Production College of Agriculture, University of Basra
Address:	Basra, IRAQ
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Dr. A.K. Abbas
Title:	Head of Department
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Saline soils. Drainage. Ecology. Crop response. Irrigation. Training and education. Agriculture.
Specific activities being carried out:	Research programmes on soil salinity and drainage; The college offers a programme in the agricultural field leading to BSc. and MSc. degrees.
New activities planned:	
Publications:	
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	(2)

Code:	G206
Name:	General Directorate of Applied Agricultural Research
Address:	Abu-Ghraib, Baghdad, IRAQ
Cable/Telex:	
Telephone:	02 03 42 200
Name of the Head of the Organ:	Dr. A.D. Ali
Title:	General Director
No. of Professionals:	5
Main Internal Organization:	Conservation and management of soil.
Subject Areas of Concern:	Sand dunes. Soil erosion. Agriculture.
Specific activities being carried out:	Fixation of sand dunes by agricultural and mechanical practices.
New activities planned:	Same as above, on a larger scale.
Publications:	Activity reports, papers presented to some internal conferences.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- At Bajee, Zawita and Al-Numaniah.
Source of Information:	R

Code:	G208
Name:	General Establishment of Designs and Research State Organization for Land Reclamation, Ministry of Irrigation
Address:	Baghdad, IRAQ
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Dr. A.N. El-Khafaji
Title:	Director
No. of Professionals:	20
Main Internal Organization:	
Subject Areas of Concern:	Land reclamation. Soil fertility. Irrigation. Drainage. Soil management. Soil formation. Soil conservation. Water conservation. Sand dunes. Rainfed agriculture. Cultivation systems.
Specific activities being carried out:	Identification, formation and implementation of soil fertility and fertilization research programmes through five research centres; Gypsiferous soil Research Centre in Al-Dour: Irrigation schemes; Soil and land reclamation; Rainfed desertlands and soil and water conservation; Sand dune fixation by chemicals and tree planting; Sand dune mobility; Terracing on slopes; Soil salinization in irrigated desert areas; Water requirements and irrigation methods of crops; Soil management practices; Construction of small dams in water courses.
New activities planned:	
Publications:	Annual reports.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	(2)

Code:	G209
Name:	Economic and Social Commission for West Asia (ESCWA)
Address:	P.O. Box 27, Baghdad, IRAQ
Cable/Telex:	UNATIONS ECWA BAGHDAD/213468 UNECWA IK
Telephone:	556 94 00 to 556 94 49
Name of the Head of the Organ:	Mr. M. Said Al-Attar
Title:	Executive Secretary
No. of Professionals:	
Main Internal Organization:	Divisions of: ESCWA/UNIDO Industry; Natural resources; Transport; ESCWA/FAO Agriculture development and planning; Human settlements and population.
Subject Areas of Concern:	Rural development and planning. Agriculture. Dry farming. Water resources. Water management. Appropriate technology. Renewable energy. Settlements.Pastoralism. Transport.
Specific activities being carried out:	Monitoring and appraisal of agricultural development; Management, conservation and development of agricultural resources; Surveys of dryfarm enterprises; Evaluation of progs. and projects to conserve and manage pastoral lands; Promotion of efficient water resources; Surveys on renewable resources; Transport of appropriate technology; Settlement policies and strategies.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(6)

Code:	G300
Name:	Forestry Division-Agriculture Research Organization
Address:	ICANOT Mobile Post Lev Hasharon 42 805 ISRAEL
Cable/Telex:	-/341118 BXTV-IL
Telephone:	053-99611, 053-97441
Name of the Head of the Organ:	Dr. D. Heth
Title:	
No. of Professionals:	6
Main Internal Organization:	
Subject Areas of Concern:	Forestry. Forest management. Forest products. Wood technology. Plant genetics. Plant breeding. Ecology. Afforestation. Arid lands. Environment.
Specific activities being carried out:	Vegetative propagation of eucalyptus; Direct seeding of conifers; Tree introduction trials; Genetics of conifers and eucalyptus.
New activities planned:	Seed orchards of Pinus halepensis, breeding of eucalyptus.
Publications:	"La Yaaran" (To the forester), leaflets.
Sources of Support:	Government, BARD (US-Israel Binational Agricultural Research and Development Fund).
Fixed Experimental stations and their activities:	Itself.
Source of Information:	R

Code:	G302
Name:	Institute for Applied Research (The)
Address:	P.O. Box 1025 Beer-Sheva, 84110 ISRAEL
Cable/Telex:	NEGINST/341390 RELAY IL EXT: HMP
Telephone:	575 83 82
Name of the Head of the Organ:	Prof. C. Forgacs
Title:	Director
No. of Professionals:	165
Main Internal Organization:	
Subject Areas of Concern:	Agriculture. Biology. Chemical analysis. Bio-Chemistry. Natural resources. Engineering. Environment. Water resources. Forest management. Land management. Land resources.
Specific activities being carried out:	Research on the utilization of natural resources and raw materials.
New activities planned:	
Publications:	Scientific reports.
Sources of Support:	Government, international foundations and commercial contractors.
Fixed Experimental stations and their activities:	- Seawater irrigation station at Ashqelon. - Agricultural stations throughout the Neger.
Source of Information:	R

Code:	G304
Name:	Jacob Blaustein Institute for Desert Research
Address:	Sede-Boqer Campus, Zip 84990, ISRAEL
Cable/Telex:	
Telephone:	057 353 33
Name of the Head of the Organ:	Prof. J. Gale
Title:	Director
No. of Professionals:	65
Main Internal Organization:	Research Units.
Subject Areas of Concern:	Hydrology. Hydrogeology. Meteorology. Water salinisation. Irrigation practices. Algae. Solar energy. Controlled environments. Ecology plant adaptation. Agriculture. Training and education. Sewage treatment.
Specific activities being carried out:	Integrated and multi-disciplinary approach for desert research, development and settlements.
New activities planned:	Seminars, workshops, conferences, and training.
Publications:	Annual reports, monographs through scientific journals.
Sources of Support:	Government and private donations.
Fixed Experimental stations and their activities:	Four experimental desert farms: meteorological monitoring experimental solar buildings, commercial algae production ponds, domestic and industrial sewage purification flats.
Source of Information:	R

Code:	G305
Name:	Dept. of Zoology, Hebrew Univ.,
Address:	Hebrew University of Jerusalem, Jerusalem, ISRAEL
Cable/Telex:	
Telephone:	(02) 22 12 81
Name of the Head of the Organ:	U.N. Safriel
Title:	Professor
No. of Professionals:	20
Main Internal Organization:	
Subject Areas of Concern:	Desert ecology. Desert animals. Desert plants. Reptiles. Training and education in animals. Vertebrates. Invertebrates.
Specific activities being carried out:	Active research and teaching.
New activities planned:	
Publications:	
Sources of Support:	Government, research funding agencies.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	G308
Name:	Mitrani Center for Desert Ecology (The)
Address:	Blaustein Institute for Desert Research, Sede Boqer Campus 84990 ISRAEL
Cable/Telex:	
Telephone:	057 353 33
Name of the Head of the Organ:	Prof. U.N. Safriel
Title:	Director
No. of Professionals:	10
Main Internal Organization:	
Subject Areas of Concern:	Ecosystems. Desert ecology. Stress. Training and education. Desert plants. Desert biome.
Specific activities being carried out:	Research on structure and function of desert ecosystems; The response of desert ecosystems to anthropogenic stress; Ecophysiological adaptations to desert environments.
New activities planned:	Intensive research and long-term environmental monitoring in the Neger desert.
Publications:	Technical and scientific reports.
Sources of Support:	Government and grants from various national and international organizations and foundations.
Fixed Experimental stations and their activities:	Itself.
Source of Information:	R

Code:	G309
Name:	Institute of Soils and Water ARO - Volcani Center
Address:	P.O.Box 6, Bet Dagan, ISRAEL
Cable/Telex:	
Telephone:	03 - 98 02 72
Name of the Head of the Organ:	Mr. B. Yaron
Title:	Director
No. of Professionals:	40
Main Internal Organization:	Seven departments of research.
Subject Areas of Concern:	Soil physics. Soil chemistry. Agricultural meteorology. Irrigation. Stress. Physiology. Saline water. Water requirements in crops. Land reclamation.
Specific activities being carried out:	Irrigation with saline water; Water efficiency; Reclamation of arid lands.
New activities planned:	
Publications:	Three annual reports.
Sources of Support:	Government (70%), foundations (30%).
Fixed Experimental stations and their activities:	About 30 experimental points around the country.
Source of Information:	R

Code:	G311
Name:	Soil Erosion Research Station
Address:	P.O. Ruppin Institute, Emek Hefer 60690 ISRAEL
Cable/Telex:	
Telephone:	053-38294, 053-85564
Name of the Head of the Organ:	Dr. D. Rosenzweig
Title:	Director
No. of Professionals:	6
Main Internal Organization:	
Subject Areas of Concern:	Soil conservation. Hydrology. Drainage. Tillage. Water conservation. Erosion control.
Specific activities being carried out:	Research and development on Soil conservation; Hydrology; Drainage and Tillage.
New activities planned:	
Publications:	Internal reports, reports through international scientific magazines.
Sources of Support:	Government and international foundations.
Fixed Experimental stations and their activities:	- Itself: Hydrological monitoring. Wischmeier plots to study the tillage influence on soil and water conservation.
Source of Information:	R

Code:	G313
Name:	Settlement Study Centre
Address:	P.O. Box 2355 Rehovot 76120 ISRAEL
Cable/Telex:	SETCEN ISRAEL/SSC 361926 DVCEN-IL
Telephone:	(08) 47 41 11
Name of the Head of the Organ:	Prof. R. Weitz
Title:	Head
No. of Professionals:	43
Main Internal Organization:	
Subject Areas of Concern:	Rural development and planning. Settlements. Economic development.
Specific activities being carried out:	
New activities planned:	Research projects on problems of regional development.
Publications:	
Sources of Support:	Government, international agencies.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	G316
Name:	Institute of Nature Conservation Research
Address:	Tel-Aviv University ISRAEL
Cable/Telex:	
Telephone:	(03) 42 08 13
Name of the Head of the Organ:	Prof. Y. Yom-tov
Title:	Director
No. of Professionals:	9
Main Internal Organization:	
Subject Areas of Concern:	Ecology. Pollution. Pest management and control. Water pollution. Birds. Mammals.
Specific activities being carried out:	Ecology; Research on pollution and pesticide residues in birds, mammals and agricultural pests.
New activities planned:	
Publications:	Scientific papers in professional journals.
Sources of Support:	Government and private grants.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	G319
Name:	Soil Conservation and Drainage Division Ministry of Agriculture
Address:	Hakyria, Tel Aviv 61070 ISRAEL
Cable/Telex:	
Telephone:	03-211550
Name of the Head of the Organ:	E. Henkin
Title:	Head of Division
Main Internal Organization:	
Subject Areas of Concern:	Soil conservation. Range management. Soil surveys. Water reuse. Land use. Drainage. Water harvesting. Rainfall. Soil erosion. Runoff. Seepage.
Specific Activities being carried out:	General and detailed planning of above topics.
New activities planned:	Water harvesting, utilization of sewage effluents.
Publications:	Monographs, work manual, research reports.
Sources of Support:	Government, water and sewage tariffs.
Fixed Experimental stations and their ativities:	- Erosion Research Station, Midrasha Ruppin, Emek Hefer: Research field trials and follow-up in soil-rainfall-erosion-runoff relationships, plastic linings to prevent seepage, drainage.

Code:	G321
Name:	Ministry of Agriculture, Jewish Agency, Settlement Dept., Southern Region
Address:	P.O. Box 5, Beer Sheva, ISRAEL
Cable/Telex:	
Telephone:	(0507) 30765
Name of the Head of the Organ:	E. Gissin
Title:	Head of Southern Region.
No. of Professionals:	60
Main Internal Organization:	Sections of: Planning; Water engineering; Sociology; Architecture: Contracts and Budget.
Subject Areas of Concern:	Settlements. Rural development and planning. Agriculture. Social aspects. Migrations. Human factor studies. Arid lands development and management.
Specific activities being carried out:	Planning; Settling; Development; Integration of new settlers; Building of co-operative communities; Research and development in arid zones.
New activities planned:	Settlements, agriculture fitted to arid conditions, tourism, industry development and research.
Publications:	
Sources of Support:	Government and World Zionist Budget.
Fixed Experimental stations and their activities:	Four to five research stations in co-operation with the Government's Agriculture Research Authority and the University of Negev.
Source of Information:	R

Code:	G401
Name:	Dept. of Forests and Soil Conservation Ministry of Agriculture
Address:	P.O. Box 2179, Amman, JORDAN
Cable/Telex:	
Telephone:	84 27 51, 84 27 52, 84 11 16
Name of the Head of the Organ:	G.A. Urabi
Title:	Director of Forestry and Soil Conservation
No. of Professionals:	24
Main Internal Organization:	
Subject Areas of Concern:	Forestry. Afforestation. Rangelands. Soil management. Land conservation. Vegetation. Parks and reserves. Water conservation. Rural development and planning. Soil surveys. Land classification. Land use. Shrubs. Seeds.
Specific activities being carried out:	Protection of natural forests; Afforestation of the bare lands; Development of range reserves and vegetation cover; Soil and water conservation.
New activities planned:	Rural development of the Zarga Basin, soil survey, land classification and improvement of land use in Jordan.
Publications:	Annual report of forestry in Jordan, technical publications, several internal publications.
Sources of Support:	Government, FAO (a project), German assistance.
Fixed Experimental stations and their activities:	- 12 range stations: Improvement of fodder shrubs; - Two stations: Development new agricultural techniques for the Zarga river basin.
Source of Information:	R

Code:	G403
Name:	Water Authority
Address:	P.O. Box 2412, Amman, JORDAN
Cable/Telex:	WATERJO/22439 WAJ-JO
Telephone:	66 61 11, 66 61 17
Name of the Head of the Organ:	Eng. M.S. Kilani
Title:	President
No. of Professionals:	1500
Main Internal Organization:	Seven directorates.
Subject Areas of Concern:	Water resources. Water allocation. Water management. Irrigation. Irrigation programmes. Sewage treatment. Hydrology. Climatology.
Specific activities being carried out:	Erection of small desert dams; Implementing irrigation projects.
New activities planned:	Water distribution projects and sewerage networks in villages.
Publications:	Technical papers.
Sources of Support:	Government, water and sewage tariffs.
Fixed Experimental stations and their activities:	Hydrometeorological stations: Collection of meteorological data.
Source of Information:	R

Code:	G404
Name:	Royal Society for the Conservation of Nature (RSCN)
Address:	P.O. Box 6354, Amman, JORDAN
Cable/Telex:	
Telephone:	81 16 89
Name of the Head of the Organ:	Mr. A. Mouasker
Title:	President of RSCN
No. of Professionals:	4
Main Internal Organization:	Within Ministry of Agriculture.
Subject Areas of Concern:	Wildlife. Parks and reserves. Wildlife management. Nature protection.
Specific activities being carried out:	Management of Shoumari reserve in the arid land of Jordan, 100 km east of Amman; Introduction and protection of wild animals; Enforcement of laws and regulations for nature conservation, especially wildlife.
New activities planned:	To establish new nature reserve along the Dead Sea (Mujib Wildlife Reserve).
Publications:	"El-Reem" magazine (quarterly).
Sources of Support:	Membership subscriptions, Government grant and other grants from national and international agencies such as IUCN and WWF.
Fixed Experimental stations and their activities:	- Shaumari Wildlife Reserve; - Azraq Wetland Reserve.
Source of Information:	R

Code:	G405
Name:	Faculty of Agriculture University of Jordan
Address:	Amman JORDAN
Cable/Telex:	-/21629 UNIV. JO
Telephone:	84 35 55 extn. 2525
Name of the Head of the Organ:	Dr. M. Duwayrt
Title:	Dean
No. of Professionals:	150
Main Internal Organization:	Six academic departments.
Subject Areas of Concern:	Training and education in agriculture, lands and soils. Crop production. Crop response. Animal husbandry. Water harvesting. Irrigated agriculture. Erosion control.
Specific activities being carried out:	Research on soils, crops, animal husbandry; Training and education.
New activities planned:	Research to prevent soil erosion and water harvesting in the desert.
Publications:	"Dirasat".
Sources of Support:	University, Government and some support from international agencies.
Fixed Experimental stations and their activities:	- Jordan Valley Research Station: mainly irrigated vegetables and fruit trees; - Moukar Station: Semi-arid land use research.
Source of Information:	R

Code:	G500
Name:	Agriculture Affairs and Fish Resources Authority
Address:	P.O. Box 21422, Safat, KUWAIT
Cable/Telex:	AGRIFISH-KUWAIT/30072 AGRFISH KT
Telephone:	71 11 55 (exchange)
Name of the Head of the Organ:	Shaikh E.D. Al-Sabah
Title:	Director-General
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Agriculture. Afforestation. Rural development and planning. Greenbelts.
Specific activities being carried out:	Research activities in all agricultural branches; Planning for the agricultural sector; Supervising agriculture extension fields; Intiating and maintaining afforestation projects: Planning new public gardens.
New activities planned:	
Publications:	Newsletters and periodicals.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	Sudalibia; Abdali; Wafra; and Umarie.
Source of Information:	R

Code:	G501
Name:	Department of Botany and Microbiology Faculty of Science, University of Kuwait
Address:	P.O. Box 5969 KUWAIT
Cable/Telex:	-/KT 22616
Telephone:	819369, 830234, 847054, 847083
Name of the Head of the Organ:	Dr. A. Al-Musallam
Title:	Director
No. of Professionals:	19
Main Internal Organization:	Plant Ecology group.
Subject Areas of Concern:	Afforestation. Vegetation. Overgrazing. Organic matter Soil physics. Soil properties. Soil Sciences. Soil classification. Ecology. Plant physiology. Afforestation. Plant distribution.
Specific activities being carried out:	Distribution of plants in relation to soil factor.
New activities planned:	Effects of protection from overgrazing on plant and soil, ecological effects of afforestation.
Publications:	Articles on pure and applied sciences through "Science", the journal of the University of Kuwait (biennial).
Sources of Support:	Government.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	G502
Name:	Kuwait Institute for Scientific Research (KISR)
Address:	P.O. Box 24885, Safat, KUWAIT
Cable/Telex:	SCIENCE-KUWAIT/-
Telephone:	816918/988/989/237/190/301/554
Name of the Head of the Organ:	Dr. A.S. Eldin
Title:	Director General
No. of Professionals:	652
Main Internal Organization:	Five technical research divisions.
Subject Areas of Concern:	Solar energy. Environment. Water resources. Remote sensing. Desert ecology. Desert soils. Storms. Sediments. Sand control. Parks and reserves. Grazing.
Specific activities being carried out:	Studies of desert surface sediments. Dynamics of dust storms. Mobile sand movement and control. Desert ecology.
New activities planned:	Demonstration of effectiveness of selected mobile sand control methods. National survey of mobile sand problems.
Publications:	KISR annual report, KISR annual research report, monthly newsletter "Akhbar El-Mahad".
Sources of Support:	Government.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	G604
Name:	National Council for Scientific Research
Address:	P.O. Box 11-8281, Beirut LEBANON
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Dr. M. Soufi
Title:	Director-General
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Desertification control. Entomology. Plant breeding. Forage plants. Forage production. Arid land manag. and dev.
Specific activities being carried out:	Research on desertification, economic and non-economic insects; Dev. of plant species (buffalo gourd, forage crops, etc.) that grow under desert arid conditions.
New activities planned:	
Publications:	Scientific papers and annual reports.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Tel-amara: Research on forage in desert climate; - Huuchsneid Research Station: Research on Buffalo gourd.
Source of Information:	R

Code:	G701
Name:	Ministry of Agriculture and Fisheries
Address:	P.O. Box 467, Muscat, OMAN
Cable/Telex:	
Telephone:	70 20 66
Name of the Head of the Organ:	A.S. Albri
Title:	Director of Agriculture Research
No. of Professionals:	
Main Internal Organization:	Forestry Section.
Subject Areas of Concern:	Forestry. Rangelands. Land reclamation. Planting management. Mist. Plant adaptation.
Specific activities being carried out:	Pilot plantations; Spaces trials; Mist experiments.
New activities planned:	Range regeneration.
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	G800
Name:	Department of Agricultural Research and Extension
Address:	Ministry of Agriculture and Agrarian Reform Aden, PEOPLE'S DEMOCRATIC REPUBLIC OF YEMEN
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	
Title:	Under-Secretary of Agriculture and Agrarian Reform
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Irrigation. Soil-water-plant relationships. Soil surveys. Water requirements in crops. Agriculture. Livestock. Range management. Settlements. Irrigated Agriculture.
Specific activities being carried out:	Research on: irrigated crops, soil-water relationships, irrigation methods, soil surveys, crop-water requirements and improvement of crop and livestock; Range management and rural settlements.
New activities planned:	
Publications:	Annual report.
Sources of Support:	Government, bilateral technical assistance programmes and a UNDP/FAO project.
Fixed Experimental stations and their activities:	- Al-Kod Agricultural Research Centre; - Siaayoon Agricultural Research Centre.
Source of Information:	(2)

Code:	G900
Name:	Remote Sensing Project, University of Qatar
Address:	P.O. Box 2713, Doha, QATAR
Cable/Telex:	UNIVQATAR/-
Telephone:	87 39 10
Name of the Head of the Organ:	Dr. I.A. Elkassas
Title:	Director
No. of Professionals:	8
Main Internal Organization:	
Subject Areas of Concern:	Remote sensing. Natural resources. Drainage. Mapping and cartography. Hydrogeology. Desertification. Sand dunes. Minerology. Environmental effects.
Specific activities being carried out:	Drainage mapping and hydrogeological investigations of Qatar using aerial photos and landsat images; Desertification monitoring by remote sensing.
New activities planned:	Tectonic and structural mapping of Quatar peninsula, investigations of mineral resources, sequential mapping and sand dune fixation in Qatar.
Publications:	Technical reports and scientific papers in Erim Symposia.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	Remote Sensing Laboratory.
Source of Information:	R

Code:	G901
Name:	Department of Agricultural and Water Research
Address:	Ministry of Industry and Agriculture P.O. Box 1967, Doha, QATAR
Cable/Telex:	HYDAGR DH/4751
Telephone:	43 34 00
Name of the Head of the Organ:	Mr. M.F. Al-Faihani
Title:	Director
No. of Professionals:	17
Main Internal Organization:	Sections of: Water; Soil; Field crops.
Subject Areas of Concern:	Water conservation. Ground water. Saline water. Soil science. Plants. Agriculture. Crop response. Sand dunes.Green houses.
Specific activities being carried out:	Artificial groundwater recharge. Saline water use in agriculture.
New activities planned:	A project on protection of native plants.
Publications:	Annual reports, agricultural statistics, agro-hydro meteorological data, section reports.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Rodhat Al Faras Experimental Station: General agric. - Rodhat Harmah Station: Field crops; - Al Otoriyah Station: Protected agric. (green houses); - Wadi Al Ariage Station: Sand dunes and saline water farming.
Source of Information:	R

Code:	G902
Name:	Directorate of Animal Health Ministry of Industry and Agriculture
Address:	Doha, QATAR
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Mr. M. El-Muatasim
Title:	Director
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Wildlife protection. Rangeland management.
Specific activities being carried out:	Introduction of range management plans for two protected stations, Shahatich and Abu Saura, where oryx and gazelle are raised.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(2)

Code:	G903
Name:	Scientific and Applied Research Centre (SARC) University of Qatar
Address:	Doha, P.O. Box 2713 QATAR
Cable/Telex:	UNIVQATAR/-
Telephone:	86 78 00
Name of the Head of the Organ:	Dr. M.I. Kazim
Title:	Head of the Directory Board and President of the Univ.
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Health. Environment. Agriculture. Foods. Remote sensing. Chemical analysis. Solar energy.
Specific activities being carried out:	
New activities planned:	Earth gas and its chemical aspects.
Publications:	Books, atlas, technical papers.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Remote Sensing Station; - Reverse Osmosis Plant run by solar energy.
Source of Information:	R

Code:	H001
Name:	Department of Agricultural Research Ministry of Agriculture and Water
Address:	Riyad, SAUDI ARABIA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Mr. Z.I. El-Juwaira
Title:	
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Agriculture. Animal production. Animal health. Agronomy. Arid lands management and development. Rangeland management. Crop production. Saline soils. Irrigation. Plant adaptation. Irrigated agricuture.
Specific activities being carried out:	Implementation of research activities in various fields of agricultural production; Tamarix propagatio and adaptation; Introduction of fodder crops under irrigation.
New activities planned:	
Publications:	Annual reports.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- At Riyad, Reg. Centre for Agricultural Research and Water; - At Hufoof, Reg. Centre for Animal Wealth Research; - At Qasseem, Agricultural Research Centre; - At Khubar, Agricultural Research Centre in the East - At Najiran, Horticultural Research Centre in coop. with FAO; - At Al-juf, Rangeland Research Center in coop. with FAO.
Source of Information:	(2)

Code:	H002
Name:	Land Management Department Ministry of Agriculture and Water
Address:	Riyadh, SAUDI ARABIA
Cable/Telex:	
Telephone:	01 40 44 521
Name of the Head of the Organ:	Mr. M.A. Ben Mahfouz
Title:	Director General
No. of Professionals:	85
Main Internal Organization:	Within the Ministry of Agriculture and Water.
Subject Areas of Concern:	Soil science. Land resources. Soil surveys. Land surveys. Land classification. Land reform. Soil maps. Rural development and planning.
Specific activities being carried out:	Preparing a general soil map of Saudi Arabia (scale 1:250000); Soil survey and land classification in selected areas; Carrying out aerial photography and earthphotomapping for new areas; Allocation of arable land to Saudi farmers and companies to develop crop and animal production.
New activities planned:	Monitoring programme on the development of allocated land to farmers, a Cadas Irad survey project.
Publications:	Schematic soil map of Saudi Arabia - scale 1:2,000,000.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	A new soils and water analysis laboratory is under construction.
Source of Information:	R

Code:	H003
Name:	Department of Soils Department of Plant Production College of Agriculture King Saud University
Address:	Riyad, SAUDI ARABIA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Dr. A. Abu-Hassan
Title:	Dean
No. of Professionals:	45
Main Internal Organization:	
Subject Areas of Concern:	Training and education. Soil surveys. Saline soils. Soil fertility. Crop production. Irrigation. Water quality. Sand dunes. Rangelands. Desert plants. Soil classification. Trees.
Specific activities being carried out:	Research programmes in soil science, water requirements, sand dune fixation, tree planting, ecology and production of range plants.
New activities planned:	
Publications:	"The College of Agriculture Research Bulletin" (biennial).
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	(2)

Code:	H005
Name:	Department of Plant Production, Department of Soils, College of Agriculture, Sciences and Food, King Faisal University
Address:	Al-Ahsa, P.O. Box 380, Riyad, SAUDI ARABIA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Dr. Y.H. Makki
Title:	Dean
No. of Professionals:	35 (mostly engaged in teaching).
Main Internal Organization:	
Subject Areas of Concern:	Animal production. Land reclamation. Training and education. Sand dunes. Range land management. Saline soils. Drainage. Pastures. Soil surveys. Water requirements in crops.
Specific activities being carried out:	Studies on soil reclamation in Al-Ahsa basin; Production of range and pasture plants; water requirements of several vegetable crops, soil surveys and range plants.
New activities planned:	Productivity and management of the land resources of the eastern province, including sand dune fixation, soil salinity and drainage, animal production and range management.
Publications:	"Journal of Biological Sciences".
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	(2)

Code:	H008
Name:	Sand Stabilization Project
Address:	Al-Hassa, Hofuf, P.O. Box 77 SAUDI ARABIA
Cable/Telex:	
Telephone:	03/586 74 24
Name of the Head of the Organ:	Mr. Y. A. Wahed
Title:	Director
No. of Professionals:	5
Main Internal Organization:	Within Ministry of Agriculture and Water.
Subject Areas of Concern:	Sand dunes. Afforestation. Dry farming. Drainage.
Specific activities being carried out:	Planning shelterbelts to stop sand movement; Evaluation of problems of moving sand dunes and measures for their control.
New activities planned:	Extension of field work using new methods for sand stabilization.
Publications:	Annual report, booklet (in arabic).
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Al-Hassa - main project: Shelter belts in sub-stations without irrigation, depending on dune moisture; - Pilot project for afforestation: by using drainage water methods.
Source of Information:	R

Code:	H009
Name:	Saudi Arabia National Center for Science and Technology (SANCST)
Address:	P.O. Box 6086, Riyad, SAUDI ARABIA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Dr. R. Obeid
Title:	President
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Solar energy. Sand dunes. Desert ecology. Desertification control.
Specific activities being carried out:	Several projects related to desertification. A study on sand dune fixation.
New activities planned:	
Publications:	None.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	(2)

Code: H101

Name: Arab Centre for the Studies of Arid Zones and Dry Lands (ACSAD)

Address: P.O. Box 2440, Damascus, SYRIA

Cable/Telex: ACSAD/-

Telephone: 75 57 13, 75 57 14

Name of the Head of the Organ: Dr. M. El-Khash

Title: Director General

No. of Professionals: 75

Main Internal Organization: Divisions of: Soil science; Water science and Animal science; Soil chemistry; Water management.

Subject Areas of Concern: Soil maps. Fertilizers. Micronutrients. Irrigation systems. Water requirements in crops. Land resources. Land conserv.. Land manag.. Sand dunes. Mapping and cartography. Water manag.. Meteorology. Hydrology. Water law. Parks and reserves. Natural resources. Drought tolerance. Plant studies. Plant adaptation. Plant genetics. Plant breeding. Rangelands. Land reclamation. Animal genetics. Sheep. Livestock. Animal prod.. Grazing systems. Animal husbandry.

Specific activities being carried out: Projects of: Survey and collection of drought resistant species and clones of pistachio, almond, olive, grape and fig from Arab states and internat. insts; Initiation of mother-tree nurseries for genetic and breeding materials in Syria and exchange of these materials with the Arab states and internat. insts.; Introduction of budwood and exchange of genetic materials with Arab states and internat. agricultural organs; Study of appropriate cultivation practices and manag. to enhance prod. of fruit trees in semi-arid zones; Selection of the best adapted fruit trees and their proper rootstocks for further propagation and distribution to Arab states; Monitoring and admin. of range resources with special reference to range land ecosystems in arid and semi-arid zones; Comparative testing of native and induced range species to study their adaptability under varying ecological conditions; Rehabilitation of rangelands through application of different approaches under differing socio-economic and ecological complexes; Collection, conservation and evaluation of plant genetic resources with particular reference to species of major economic importance and their wild and cultivated relatives; Stimulating the availability of material for plan breeding and other scientific activities; Promotion of dissemination of information and materials

H101 (cont...)

materials throughout concerned centres and institutions; Genetic improvement of Awassi sheep through selection; Animal feed resources in the Arab countries; Nutritive and grazing value of Atriplex spp. for sheep; Diet selection and forage preference and behaviour of camels, goats and sheep under different ecological zones; Sheep improvement in Yemen D.R.; Development of Arabic encyclopedia of animal resources; Study of goat and camel resources in Arab states; Improvement of Sudanese desert sheep; Study of problems associated with shee nutrition in arid regions; and Establ. of ACSAD data bank for animal and feed resources in the Arab world.

New activities planned:

Publications: Technical reports, annual report (mainly in Arabic).

Sources of Support: Contributions from governments of Arab member countries

Fixed Experimental stations and their activities:

- IZRAA: Applied research on agricultural tech. under rainfed conditions;.
- Der El-zor Station: Applied research on agricultural technology under irrigation;
- Merj El-Krem Station: improvement of sheep prod..

Source of Information: R

Code:	H102
Name:	Steppe, Range and Sheep Directorate
Address:	Syrian Ministry of Agriculture and Agrarian Reform Damascus, SYRIA
Cable/Telex:	
Telephone:	22 27 00, 22 13 09
Name of the Head of the Organ:	Eng. H. Al Samman
Title:	Minister of Agriculture and Agrarian Reform
No. of Professionals:	187
Main Internal Organization:	
Subject Areas of Concern:	Desert plants. Desert ecology. Desertification control. Sand dunes. Seeds. Grasslands.
Specific activities being carried out:	Projects on pastoral plants and sand dune fixation in Al-Kassrah site in Der Zor Steppe.
New activities planned:	
Publications:	Monographs.
Sources of Support:	FAO, UNU, University funds.
Fixed Experimental stations and their activities:	- University meteorological station; - Harmattan deposition site.
Source of Information:	R

Code:	H103
Name:	Faculty of Agriculture - University of Aleppo
Address:	University of Aleppo, Fac. of Agriculture, SYRIA
Cable/Telex:	
Telephone:	236145, 236144
Name of the Head of the Organ:	Dr. K. Massoud
Title:	Dean
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Climatology. Soil science. Hydrology. Soil degradation.
Specific activities being carried out:	Application of Gwessen equation; Relation between the degree of aridity and the structural stability.
New activities planned:	
Publications:	
Sources of Support:	Government
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	H104
Name:	Department of Soils, Department of Animal Production Faculty of Agriculture University of Damascus
Address:	Damascus, SYRIA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Dr. K. Odeh
Title:	Dean of the Faculty of Agriculture
No. of Professionals:	45 (mostly devoted to teaching).
Main Internal Organization:	
Subject Areas of Concern:	Flora. Rangelands. Saline soils. Soil fertility. Irrigation. Agriculture. Training and education. Pastures. Plants. Rainfed agriculture. Ecology.
Specific activities being carried out:	Research projects on flora surveys, range plants, soil salinity in irrigated and rainfed agricultural lands. Teaching on range management, ecology, soils and pastures.
New activities planned:	
Publications:	None.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	(2)

Code:	H106
Name:	International Center for Agricultural Research in the Dry Areas (ICARDA)
Address:	P.O. Box 5466,Aleppo, SYRIA
Cable/Telex:	-/331206, 331208, 331263
Telephone:	23 52 21, 23 48 90, 23 52 20, 21 34 77 and 21 34 33 (Tel. Hadya Farm)
Name of the Head of the Organ:	Dr. M. A. Nour
Title:	Director General
No. of Professionals:	52
Main Internal Organization:	Four principal research programmes plus research support units.
Subject Areas of Concern:	Agriculture. Crop production. Crop response. Forage plants. Forage production. Agronomy. Water management. Water use. Livestock production. Plant biology. Plant breeding. Plant ecology. Plant genetics. Plant physiology. Dry farming. Rainfed agriculture. Soil science.
Specific activities being carried out:	Principal responsibility within CGIAR for research on barley, lentils and faba beans; Reg. responsibility for research on wheat, chick peas and forage crops; Also research on crop water use and livestock production and improvement of rainfed agriculture.
New activities planned:	Expanded work in high elevation environments in Baluchistani, some work on dry peas.
Publications:	Annual report, "Research Highlights" (annual), Faba bean abstracts and the following newsletters: "Fabis", "Lentils" (bi-annual), "Rachis", many occasional publications and articles in scientific journals.
Sources of Support:	CGIAR in addition to special funds from international donor agencies (notably IFAD and OPEC) for particular projects.
Fixed Experimental stations and their activities:	- Tel Hadya: consists of about 970 ha, of which 700 are cultivated for field trials; - Terbol in the Bekaa Valley of Lebanon.
Source of Information:	R

Code:	H200
Name:	Grassland and Animal Husbandry Research Institute
Address:	P.O. Box 453, Ankara, TURKEY
Cable/Telex:	
Telephone:	23 13 82, 23 13 83, 23 65 57
Name of the Head of the Organ:	Dr. A. Karabulut
Title:	Director
No. of Professionals:	24
Main Internal Organization:	Ass. Director Technical Affairs: Research Depts. of grasslands, forage crops, cattle and sheep breeding, fodder and animal nutrition research; genetics and statistics; Asst. Director Administrative Affairs: offices of agricultural machinery, current and investment budget services and supporting units.
Subject Areas of Concern:	Forage production. Range management. Animal production. Animal genetics. Animal health. Grasslands. Cattle. Sheep. Agronomy. Animal physiology. Animal husbandry.
Specific activities being carried out:	Research on grasslands, forage crops and animals.
New activities planned:	Research on farm level.
Publications:	Research reports, technical notes.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	Itself.
Source of Information:	R

Code:	H201
Name:	Rural Service General Directorate
Address:	Ulus-Ankara, TURKEY
Cable/Telex:	Köy HIZMETLERI-ANKARA/-
Telephone:	10 76 92
Name of the Head of the Organ:	E. Bilgic
Title:	General Manager
No. of Professionals:	3,100
Main Internal Organization:	67 province offices; 18 regional offices; 11 research institutions.
Subject Areas of Concern:	Soil survey. Erosion control. Irrigation. Drainage. Water supply. Rural development and planning.
Specific activities being carried out:	Soil surveys; Investments and demonstration projects.
New activities planned:	
Publications:	"Köy HIZMETLERI" technical bulletin.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	Eleven soil and water research institutions: Soil conservation, related research and experiments.
Source of Information:	R

Code:	H202
Name:	General Directorate of Forestry
Address:	Bakanliklar, Ankara, TURKEY
Cable/Telex:	General Directorate of Forestry Bakanliklar Ankara/-
Telephone:	80-41 17 76 42, 90-41 18 38 24
Name of the Head of the Organ:	M. A. Kapadeniz
Title:	Director
No. of Professionals:	275
Main Internal Organization:	Department of Reafforestation and afforestation.
Subject Areas of Concern:	Erosion control. Rangelands. Forestry. Afforestation. Reafforestation. Land management. Coastal deserts. Sand dunes.
Specific activities being carried out:	Erosion control in the arid and semi-arid areas. Sand dune stabilization along the coast.
New activities planned:	
Publications:	Occasional papers.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Tarsus; - Antalya.
Source of Information:	R

Code:	H300
Name:	Horticultural Section, Alain Municipality
Address:	P.O. Box 1003, Alain, Abu-Dhabi, UNITED ARAB EMIRATES
Cable/Telex:	34008 BALDIA EM
Telephone:	63 56 60
Name of the Head of the Organ:	Mr. M.A. Nafissi
Title:	Chief Horticulturist
No. of Professionals:	Six
Main Internal Organization:	
Subject Areas of Concern:	Trees. Plant adaptation. Parks and reserves. Forestry. Desert plants. Desert soils. Greenbelts.
Specific activities being carried out:	Beautifying the town areas with tree-lined avenues, parks and gardens; Some forest development in desert suburbs.
New activities planned:	Expanding the present activities to surroundings which are more desertified.
Publications:	Monthly reports.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	Nurseries in desert areas and some afforestation and gardening projects in Alain province.
Source of Information:	R

Code:	H301
Name:	Arid Land Research Center
Address:	Sadiyat, Abu-Dhabi, UNITED ARAB EMIRATES
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	
Title:	Under Secretary of Agriculture and Fisheries
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Irrigation systems. Plant adaptation. Horticulture. Saline water. Water salinisation. Greenhouses.
Specific activities being carried out:	Introduction and improvement of vegetable prod. under greenhouse conditions; Some work on the utilization of desalinated sea water for irrigation.
New activities planned:	
Publications:	Annual reports.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	(2)

Code:	H400
Name:	Central Agricultural Research Station
Address:	Taiz, YEMEN ARAB REPUBLIC
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Mr. A.R.S. Qasim
Title:	Director of Research
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Crop production. Animal production. Soil classification. Water resources. Land reclamation. Water conservation. Water requirements in crops.
Specific activities being carried out:	Research on crop-water requirements in an Asaifra farm; Soil classification; Water surveys; Field crop improvement and water conservation.
New activities planned:	
Publications:	Occasional reports.
Sources of Support:	Government and grants from outside agencies.
Fixed Experimental stations and their activities:	
Source of Information:	(2)

Code:	I001
Name:	Centro Regional de Agua Subterranea
Address:	C.C. No.166-Domicilio Av. José I. de la Roza 125-este, 3 Piso, San Juan, ARGENTINA
Cable/Telex:	
Telephone:	22 53 88, 22 25 95, 22 15 33, 22 85 95.
Name of the Head of the Organ:	Qco. P. Lohn
Title:	Director General
No. of Professionals:	49
Main Internal Organization:	Directorates of: Hydrogeology; Hydrology; Hydrochemistry; Accounting and Services.
Subject Areas of Concern:	Hydrology. Hydrogeology. Water management. Water quality. Water chemistry. Water sources.
Specific activities being carried out:	Projects on exploration, exploitation, management and quality control of hydrologic resources in Mendoza, San Juan and La Rioja provinces.
New activities planned:	International courses.
Publications:	Periodicals, final project reports.
Sources of Support:	Government and contracts.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	I002
Name:	Estación Experimental Agropecuaria San Luis
Address:	Casilla 17, 5730 Villa Mercedes San Luis ARGENTINA
Cable/Telex:	
Telephone:	19 16
Name of the Head of the Organ:	Mr. A. Marchi
Title:	Director
No. of Professionals:	32
Main Internal Organization:	Departments of vegetal production, Animal production, Soils, Pastures and fauna and a laboratory of diagnosis.
Subject Areas of Concern:	Soil conservation. Soil management. Animal production Dry farming. Crops. Crop production. Forage production. Agriculture. Irrigation systems. Ecosystems. Wildlife management.
Specific activities being carried out:	Conservation and management of soils. Animal production in arid and semi-arid zones. Grain crops and forage in dry lands. Agriculture under low irrigation. Wildlife management. Natural ecosystems management.
New activities planned:	
Publications:	Technical reports.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	I004
Name:	Estación Experimental Agropecuaria INTA Catamarca
Address:	Casilla de C.25, 4700 Catamarca, ARGENTINA
Cable/Telex:	
Telephone:	281 92 extn: 0833
Name of the Head of the Organ:	Sr. N. Ansótegui
Title:	Director interino
No. of Professionals:	11
Main Internal Organization:	
Subject Areas of Concern:	Crop production Crop response. Forage production. Forage plants. Horticulture. Animal production. Rural development and planning. Seeds.
Specific activities being carried out:	Crop assessment and improvement of fruit trees; Assessment and improvement of horticulture; Animal production; Experiments with cereal and forage plants; Turkey production.
New activities planned:	
Publications:	Newsletters, booklets and leaflets, articles in local newspapers.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	Itself, (including Agencia de Extensión Rural Catamarca): Seed technology support, turkey production and rural home activities.
Source of Information:	R

Code:	I005
Name:	Dirección Regional Patagonia (INTA)
Address:	CC. 277 - 8400 San Carlos de Bariloche (Rio Negro) ARGENTINA
Cable/Telex:	
Telephone:	227 31, 249 90, 249 91
Name of the Head of the Organ:	Ing. Agr. M. Cocimano
Title:	Regional Director
No. of Professionals:	67
Main Internal Organization:	Three experimental stations with programme groups of Reproduction; Vegetation resources; Genetics; Fauna; Animal health; Irrigation; Woods; Soils; Extension and Economics.
Subject Areas of Concern:	Natural resources. Animal production. Animal health. Desertification control. Fauna. Vegetation. Soil science. Irrigation. Animal genetics. Nature protection.
Specific activities being carried out:	Studies to determine the feasiblity of implementing agricultural production systems compatible with the economical and rational utilization of the natural resources.
New activities planned:	Project on control of desertification in Patagonia region.
Publications:	Annual report.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Bariloche: Natural resources, animal production animal health; - Trelew: Natural resources, animal production; - Rio Gallegos: Natural resources. animal production.
Source of Information:	R

Code:	I007
Name:	Instituto Nacional de Tecnología Agropecuaria (INTA)
Address:	Rivadavia 1439 1033 Buenos Aires ARGENTINA
Cable/Telex:	INTAGRO/17518 INTA AR
Telephone:	37 50 95, 374 50 99
Name of the Head of the Organ:	Ing. A. Marzocca
Title:	Director Nacional Interino
No. of Professionals:	1400
Main Internal Organization:	National Centre for Agricultural Research; Natural Resources Centre
Soil Science Dept..	
Subject Areas of Concern:	Natural resources. Agriculture. Soil conservation.Soil degradation. Soil management. Land management. Conservation. Nature protection. Mapping and Cartography. Soil maps. Soil sciences.
Specific activities being carried out:	National programme for soil conservation and soil management, natural resources, pedology.
New activities planned:	
Publications:	Soil map, periodical magazine, books, newsletters.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	37 experimental stations: Dealing with regional or local problems.
Source of Information:	R

Code:	I009
Name:	Instituto Argentino de Investigaciones de las Zonas Aridas
Address:	C.C. 507, Mendoza 5500 ARGENTINA
Cable/Telex:	55438 CYTME/-
Telephone:	24 19 95, 24 17 97
Name of the Head of the Organ:	Ing. F.F. Von Wuthenau
Title:	Director a Cargo
No. of Professionals:	33
Main Internal Organization:	Laboratories of: Flora and Vegetation; Wildlife; Soils and geomorphology; Sociology and economics; Housing and human environment; Watershed management.
Subject Areas of Concern:	Natural resources. Desert Ecology. Desert plants. Desert animals. Desert soils. Settlements. Vegetation. Watersheds. Water management. Water harvesting. Forage plants. Forage production. Grasslands. Wildlife management. Weather data. Mapping cartography. Livestock. Runoff.
Specific activities being carried out:	Studies on renewable natural resources of the arid zones, ecology and human settlements in drylands.
New activities planned:	
Publications:	"Deserta" and "Cuadernos Técnicos" (periodicals).
Sources of Support:	Consejo Nacional de Investigaciones Cientificas técnicas, Government of Mendoza province, Univ. Nacional de Cuyo.
Fixed Experimental stations and their activities:	- Reserva Ecológica de Ñacuñan: Research on flora modification, primary and secondary productivity, vegetation manag., wildlife behaviour, forage plants and production, new plant adaptation; - Campo Fiscal "El Divisadero": Plans to carry out studies on grasslands and livestock management; - 21 meteorological stations: Collecting climatic data and preparing specific cartography; - Cuenca Aluviahal Piloto: A pilot station for research on management techniques of watersheds, assessment of erosion process, runoff utilization and natural and eritic vegetation management.
Source of Information:	R

Code:	I011
Name:	Facultad de Agronomía, Universidad de Buenos Aires
Address:	Avda. San Martin 4453, 1417, Buenos Aires ARGENTINA
Cable/Telex:	
Telephone:	52 09 03
Name of the Head of the Organ:	Sr. A. Soriano
Title:	Prof. de Fisiología y Ecología
No. of Professionals:	16
Main Internal Organization:	
Subject Areas of Concern:	Drought tolerance. Crop response. Desertification control. Soil science.
Specific activities being carried out:	Drought resistance of maize and sunflower; Processe of desertification in Patagonia.
New activities planned:	
Publications:	Monographs and technical reports.
Sources of Support:	Government through CONICET.
Fixed Experimental stations and their activities:	Activities are carried out at the Instituto de Investigaciones y Tecnología Agropecuaria - INTA in Rio Mayo, Chubut.
Source of Information:	R

Code:	I012
Name:	Universidad Nacional de Cuyo Instituto de Geografía
Address:	Casilla de Correos 345, Mendoza, ARGENTINA
Cable/Telex:	
Telephone:	23 01 90
Name of the Head of the Organ:	Sr. R.G. Capitanelli
Title:	Director
No. of Professionals:	30
Main Internal Organization:	Sections of: General geography and Regional geography.
Subject Areas of Concern:	Mapping and cartography. Geography. Training and education in environment. Arid lands management and development.
Specific activities being carried out:	Teaching and research; Environmental mapping; Study of problems in dry regions.
New activities planned:	
Publications:	Boletin de Estudios Geograficos (Geographical Studies Bulletin).
Sources of Support:	Government.
Fixed Experimental stations and their activities:	The institute is located in the arid zone of Argentina - using its surroundings for research.
Source of Information:	R

Code:	I015
Name:	Centro de Ecología y Recursos Naturales Renovables
Address:	Av. V. Sarsfield 299CC 395, 5000 Cordoba ARGENTINA
Cable/Telex:	-/051822 - BUCOR
Telephone:	222 84, 394 73, extn: 49
Name of the Head of the Organ:	Sr. R.N. Luti
Title:	Director
No. of Professionals:	30
Main Internal Organization:	
Subject Areas of Concern:	Grasslands. Ecology. Environment. Environmental training and education. Plant ecology. Animal ecology. Climatology. Pastures.
Specific activities being carried out:	Ecological studies on grasslands of Cordoba province; Teaching ecology at university level; Carrying out environmental education projects.
New Activities Planned:	
Publications:	Technical reports and monographs published in various national and international magazines.
Sources of Support:	Government, UNESCO, FAO.
Fixed Experimental stations and their activities:	Three meteorological stations and experimental plots for pasture research.
Source of Information:	R

Code:	I016
Name:	Instituto de Suelos y Riego Universidad Nacional de Cuyo
Address:	Almirante Brown 500, Charcras de Coria, 5505 Mendoza, ARGENTINA
Cable/Telex:	
Telephone:	(061) 96 04 31
Name of the Head of the Organ:	L. Nijensohn
Title:	Director
No. of Professionals:	9
Main Internal Organization:	Divisions of: Soils, Agricultural chemistry; Irrigation.
Subject Areas of Concern:	Irrigation systems. Sewage treatment. Soil fertility. Training and education in soils.
Specific activities being carried out:	Treatment and use of the sewage of Mendoza city; Phosphoric fertility diagnosis; Irrigation systems.
New activities planned:	Irrigation studies and fertilization of potato and maize cultivations.
Publications:	Technical and scientific reports, contributions to the "Revista de la Facultad de Ciencias Agrarias"
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	I018
Name:	Instituto Nacional de Tecnología Agropecuaria (INTA) Estación Experimental Ramacaída
Address:	C.C.79, San Rafael, Mendoza, ARGENTINA
Cable/Telex:	-/-
Telephone:	(54) 0627 21559
Name of the Head of the Organ:	Mr. W. Sinta
Title:	Director
No. of Professionals:	6
Main Internal Organization:	
Subject Areas of Concern:	Rangelands. Ecology. Forage production. Plant pathology. Plant physiology. Climatology. Mapping and cartography. Vegetation. Shrubs.
Specific activities being carried out:	Preparation of a vegetation map. Range improvement. Site identification.
New activities planned:	Antoecology studies of salt bushes (Atriplex spp.).
Publications:	Newsletters.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	-Itself.
Source of Information:	R

Code:	I019
Name:	Estación Experimental Agropecuaria San Juan - INTA
Address:	5427 Villa Aberastain, San Juan, ARGENTINA
Cable/Telex:	
Telephone:	92 10 79
Name of the Head of the Organ:	Sr. E.C. Fontemachi
Title:	Director
No. of Professionals:	21
Main Internal Organization:	Natural resources (includes soils, drainage and irrigation), Horticultural production (includes vegetables, fruit, grapes, seed production), Vegetation protection and Agro-Economics.
Subject Areas of Concern:	Soil management. Irrigation practices. Irrigation programmes. Climate-vegetal relationships. Plant growth. Plant breeding. Water table. Water resources. Seeds. Agriculture. Plant biology. Plant ecology.
Specific activities being carried out:	In natural resources: amendment of the soil cover; soil management; Evapo-transpiration studies; Irrigation programmes and practices; Irrigation in superficial water table areas.
New activities planned:	
Publications:	Technical reports and monographs.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	Itself.
Source of Information:	R

Code:	I020
Name:	Estación Experimental Agropecuaria Santiago del Estero - INTA
Address:	Independencia No.341, C.C.268, Santiago del Estero 4200 ARGENTINA
Cable/Telex:	
Telephone:	21 15 60
Name of the Head of the Organ:	Ing. F. Cantos
Title:	Director
No. of Professionals:	16
Main Internal Organization:	Vegetal prod.; Livestock prod.; Natural resources; Agricultural extension.
Subject Areas of Concern:	Cultivation systems. Crop response. Crop prod.. Dry farming. Economic plants. Forage grasses. Forage plants. Forage prod.. Irrigated agric.. Irrigation. Seeds. Agricultural climatology. Agric.. Cattle. Grazing. Livestock. Pastoralism. Sheep. Grasses. Grasslands. Plant adaptation. Animal physiology. Plant studies. Saline soils. Mapping and cartography. Forest products. Forestry. Shrubs. Runoff. Catchments.
Specific activities being carried out:	Furthering the improvement and manag. of cultivation under irrigation. The most important activities related to drylands are: Utilization of soils by microcatchment systems; Runoff irrigation, Forage prod., Fruits and forest cultivation; Vegetation maps; Study of pasture dynamics; Native species studies; Top soil productivity; Biomass control and studies; Vegetation inventories; Diet studies of cattle and goats; Assessment of new forage plants, seed prod. studies.
New activities planned:	Application of the experimental results of utilization of saline soils to a productive economic module, Introduction of exotic forest species, primary prod. of forage shrubs, determination of pasture areas and quality of species, wood plants control in pasturelands, evaluation of new forage plant mixtures (mob-grazing), evaluation of the climatic conditions in relation to the growth pastures in Santiago del Estero province.
Publications:	Leaflets, technical bulletins and technical articles through the Asociación Argentina de Producción Animal (AAPA), Asociación Argentina de Ecología (ASAE), Revista Técnica de la EERA, Famailla-INTA and IDIA of INTA.
Sources of Support:	Government, FAO, IICA, UNESCO-MAB and Secretaria de Ciencia y Técnica (SECYT)
Fixed Experimental stations and their activities:	Itself.
Source of Information:	R

Code:	I021
Name:	Instituto Nacional de Tecnología Agropecuaria EERA Anguil
Address:	CC11 6326 Anguil, La Pampa, ARGENTINA
Cable/Telex:	
Telephone:	(0954) 95057
Name of the Head of the Organ:	Ing. Agr. A.E. Bernardon
Title:	Director Regional EERA Anguil
No. of Professionals:	
Main Internal Organization:	Departments of Animal production; Vegetal protection; Ecology; Natural resources; and Extension.
Subject Areas of Concern:	Soil management. Soil fertility. Animal health. Animal husbandry. Pest control in animals. Forage and plants. Forage production. Crop production. Crop response. Plant genetics. Plant pathology. Weed control. Pastures. Grasslands.
Specific activities being carried out:	Soil management, fertility and conservation,; Animal nutrition and pest control. Genetic improvement of forage plants. Plant pathology.
New activities planned:	
Publications:	Leaflets, technical bulletin, technical reports.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- EERA Anguil: Soil management, animal nutrition and pest control; - SEEA Gral Pico: Crop response in trial cultivations; - Campo Anexo Chacharramenti: pastures and grasslands management, animal husbandry.
Source of Information:	R

Code:	I022
Name:	Instituto Nacional de Tecnología Agropecuaria EERA Altovalle
Address:	C.C.52, 8332 General Roca, Provincia Rio Negro, ARGENTINA
Cable/Telex:	
Telephone:	(0941) 250 17, 250 27, 250 37, 222 48
Name of the Head of the Organ:	Ing. Agr. C. Casamiquela
Title:	Director Regional
No. of Professionals:	41
Main Internal Organization:	Departments of: Cultivation; Ecology; Plant health; Economics and extension service.
Subject Areas of Concern:	Grazing. Grasslands. Pastoralism. Vegetation. Desert ecology. Rangelands. Livestock. Irrigation.
Specific activities being carried out:	This experimental station is dedicated to solving problems of low irrigation crops. Recently, research activities were started on desert environment, specifically in vegetation ecology applied to grasslands used for pastoral activities in arid zones.
New activities planned:	Rangeland management, advice to livestock farmers in semi-arid lands.
Publications:	Internal bulletins, newsletters, monographs, etc.
Sources of Support:	Government, some support from international organizations and private institutions.
Fixed Experimental stations and their activities:	Itself.
Source of Information:	R

Code:	I201
Name:	Instituto de Pesquisas Sociais - Fundaçao Joaquim Nabuco
Address:	Av. 17 de Agosto, 2187, Casa Forte, Recife, Pernambuco, BRAZIL
Cable/Telex:	JONABUCO/-
Telephone:	(081) 268 46 1
Name of the Head of the Organ:	C. Cavalcanti
Title:	Superintendente
No. of Professionals:	70
Main Internal Organization:	Departments of: Anthropology; Statistics; Geography; Sociology; Political science; Education; Economics.
Subject Areas of Concern:	Drought. Settlements. Appropriate technology. Rural development and planning.
Specific activities being carried out:	Research on drought in northeastern Brazil; Population; Resettlements; Projects on drought; Feasibility studies on technology for small agriculture in semi-arid zones.
New activities planned:	Research reports.
Publications:	"Ciência e Trópico", "Boletim de Populacao Emprego e Renda no Nordeste", social studies reports.
Sources of Support:	Government, contracts, donations.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	I204
Name:	Estaçao Ecológica do Tapacurá, Universidade Federal Rural de Pernambuco
Address:	Rua D. Manuel de Meduros S/N - Dois Irmaos 50000 Recife, Pernambuco, BRAZIL
Cable/Telex:	
Telephone:	268 54 47 Extn: 253
Name of the Head of the Organ:	Ms.C. Marinho da Costa Soares
Title:	Directora
No. of Professionals:	42
Main Internal Organization:	Secretariat and Environmental education.
Subject Areas of Concern:	Environmental training and education. Conservation.
Specific activities being carried out:	Programmes of: Environmental education and Conservation of native species.
New activities planned:	
Publications:	"Viva a Vida", "Pau Brasil a Arvore Nacional".
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	I207
Name:	Superintendencia do Desenvolvimento do Nordeste Ministerio do Interior
Address:	Pc. Joao Gonçalves, Cidade Universitária 50000 Recife, Pernambuco BRAZIL
Cable/Telex:	
Telephone:	271 10 44 extn: 645
Name of the Head of the Organ:	Sr. R. Carneiro Tavares
Title:	Superintendente
No. of Professionals:	1119 (technicians).
Main Internal Organization:	Departments of: Natural resources; Development; Human resources.
Subject Areas of Concern:	Forests. Forestry. Forest management. Afforestation. Soil management and conservation. Water resources. Aquaculture. Climatology. Human health.
Specific activities being carried out:	Forest inventory, Reafforestation, and management and conservation of soils; Conservation of the environment.
New activities planned:	A natural resources data base.
Publications:	Bulletin of natural resources series.
Sources of Support:	Government, BID, IBRD
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	I300
Name:	Departamento de Ciencias Físicas, Universidad del Norte
Address:	Casilla 1280, Antofagasta CHILE
Cable/Telex:	
Telephone:	222040 extn: 211
Name of the Head of the Organ:	Sr. J.E. Araya Valenzuela
Title:	Director de Departamento
No. of Professionals:	14
Main Internal Organization:	
Subject Areas of Concern:	Solar energy. Mist. Climatology. Water harvesting. Water resources. Rural development and planning. Appropriate technology. Alternate energy.
Specific activities being carried out:	Assessment of the solar energy resource. Climate monitoring in arid zones. Obtention of water resources by non-conventional methods.
New activities planned:	Establishment of a self-sufficient community in a zone of Atacama desert.
Publications:	Reports through congress and meeting proceedings.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	"Los Nidos": Water obtainment from the Camanchas (thick fog from the desert).
Source of Information:	R

Code:	I301
Name:	Instituto de Investigaciones Hidrológicas
Address:	Casilla 554 Universidad de la Serena CHILE
Cable/Telex:	
Telephone:	211868 extn: 259-260
Name of the Head of the Organ:	Mr. E. Rozas
Title:	Director
No. of Professionals:	12
Main Internal Organization:	Estudios Proyectos.
Subject Areas of Concern:	Remote Sensing. Aquifers. Catchments. Water harvesting. Water allocation. Water resources.
Specific activities being carried out:	Water catchments. Remote sensing. Aquifer research. Water table analysis.
New activities planned:	Drainage from mining areas.
Publications:	Through meeting proceedings and publications.
Sources of Support:	University resources and contracts.
Fixed Experimental stations and their activities:	- El Brikador: Climate monitoring. - Mina El Brillador: research on rock permeability.
Source of Information:	R

Code:	I302
Name:	Comisión Nacional de Geografía
Address:	Av. Vicuña Mackenna 4860 Santiago CHILE
Cable/Telex:	
Telephone:	555 00 58 extn: 47200
Name of the Head of the Organ:	R. Borgel Olivares
Title:	Presidente
No. of Professionals:	
Main Internal Organization:	Divisions of: Physical geography; Urban; Rural and regional geography.
Subject Areas of Concern:	Alluvions. Geology. Desert soils. Arid lands. Geography. Geomorphology.
Specific activities being carried out:	Projects on risk and catastrophe prevention of desert alluvions in the northern region; Assessment of the arid lands in northern Chile and southern region of Peru.
New activities planned:	To establish methods of preventing catastrophes in the Central Andes of Chile.
Publications:	None.
Sources of Support:	Instituto Panamericano de Geografía y Historia.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	I303
Name:	Corporación Nacional Forestal (CONAF)
Address:	Cordovez 281 - la Serena Casilla 568 CHILE
Cable/Telex:	-/240001 BOOTH/CL
Telephone:	
Name of the Head of the Organ:	Sr. G. Soto Alvarez
Title:	Director Regional
No. of Professionals:	19
Main Internal Organization:	Regional Office.
Subject Areas of Concern:	Forestry. Forest management. Forest products Hydrology. Sand dunes. Soil management. Technolog transfer. Seeds. Plant adaptation.
Specific activities being carried out:	Sand dune fixation. Establishment of forest in drylands, soil management, plant adaptation. technology transfer.Plant adaptation.
New activities planned:	Dune control, tree planting in drylands, soil management, introduction of new species, improved seed collection.
Publications:	Various publications related to range and soil management.
Sources of Support:	Government, UNESCO, FAO/NUD.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	I304
Name:	Instituto de Investigación de Recursos Naturales CIREN-CORFO
Address:	Manuel Montt No.1164 Casilla No.14995, Santiago, CHILE
Cable/Telex:	-/242017 CIREN CL
Telephone:	22 36 641, 22 30 651
Name of the Head of the Organ:	Sr. C. Alvarez Sgolia
Title:	Director Ejecutivo
No. of Professionals:	41
Main Internal Organization:	Executive Director; Management and Units of: Advisory; Administration; Production; Marketing; Promotion; Technical support; and Data processing.
Subject Areas of Concern:	Mapping and cartography. Forestry. Natural resources. Hydrology. Climate. Hydrogeology. Watersheds. Water pollution. Water management. Remote sensing.
Specific activities being carried out:	Information center for natural resources for the V, VI, VII, VIII and metropolitan regions.
New activities planned:	Establishment of information centers for natural resources in other regions and up-dating the existing information of CIREN.
Publications:	Project reports, monographs, manuals, directories.
Sources of Support:	Government and own resources.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	I306
Name:	Universidad del Norte
Address:	Avda. Angamos 0610 Antofagasta, CHILE
Cable/Telex:	-/ 225097 UNORTE CL
Telephone:	22 20 4
Name of the Head of the Organ:	Sr. V. Misetic Yurac
Title:	Secretário de Investigaciones, Extensión y Asistencia Técnica
No. of Professionals:	15
Main Internal Organization:	Sciences Faculty; Geoscience dept.; Geography section.
Subject Areas of Concern:	Natural resources. Environment. Environmental effects. Environmental impact. Settlements. Training and education.
Specific activities being carried out:	Workshop activities on interdisciplinary problems related to the management of natural resources and the environmental impact of human settlements on dry lands.
New activities planned:	Research and assessment of the degradation of the environment, life habits and traditions of the region.
Publications:	Occasional reports and proceedings.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	I307
Name:	Departmento de Ingeniería y Suelos
Address:	Casilla 1004, Santiago, CHILE
Cable/Telex:	
Telephone:	58 70 42 extn: 235
Name of the Head of the Organ:	Sr. N. Eritsch Fonck
Title:	Director
No. of Professionals:	18
Main Internal Organization:	Soils and Agronomic engineering.
Subject Areas of Concern:	Plant adaptation. Drought. Desert soils. Controlled environment. Agriculture. Cultivation systems. Desert plants. Drought tolerance. Plant biology.
Specific activities being carried out:	Research on plant resistance to drought; Desert soil studies; Research on agricultural practices under controlled environments.
New activities planned:	
Publications:	Periodical publications.
Sources of Support:	Government, national and international organizations.
Fixed Experimental stations and their activities:	- Antumapu.
Source of Information:	R

Code:	I308
Name:	Laboratorio de Energía Solar (LES) Universidad Técnica, Fac. Sta. Maria
Address:	Casilla 110, Valparaiso, CHILE
Cable/Telex:	-/230338
Telephone:	66 01 76
Name of the Head of the Organ:	Sr. A. Arata
Title:	Director
No. of Professionals:	10
Main Internal Organization:	Department of Mechanics; Laboratory of Solar Energy.
Subject Areas of Concern:	Solar energy. Alternate energy solar applications. Solar heaters. Wind energy. Training and education.
Specific activities being carried out:	Development and application of solar energy technologies for isolated arid zones.
New activities planned:	Various courses.
Publications:	Reports through various magazines and congress proceedings, "Revista sciencia".
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Laboratory of Solar Energy: Experiments on solar energy.
Source of Information:	R

Code:	I310
Name:	Corporación de Fomento de la Producción
Address:	Moneda No.921, Santiago, Casilla 2286 CHILE
Cable/Telex:	-/240690 CORFO CL
Telephone:	38 05 21
Name of the Head of the Organ:	Brigadier General F. Hormazabal
Title:	Ministro Vice Prèsidente Ejecutivo
No. of Professionals:	
Main Internal Organization:	Programme of Arid zones.
Subject Areas of Concern:	Natural resources. Plant adaptation. Horticulture. Rural development and planning. Cultivation systems. Economic plants. Dry farming. Crop response.
Specific activities being carried out:	Research on horticultural and fruit species in arid zones; Feasiblity studies on the industrial use of some of these; Evaluation of jojoba cultivation.
New activities planned:	Evaluation of the research carried out and programme implementation on technological transfer to farmers.
Publications:	Annual project reports.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Estación Experimental Frutícola Esperalda: Research and fruit cultivation.
Source of Information:	R

Code:	I311
Name:	Centro de Estudios Espaciales
Address:	Casilla 5027 Correo 3, Santiago CHILE
Cable/Telex:	-/240523 CENET CL
Telephone:	555 44 71, 555 34 00
Name of the Head of the Organ:	E. Diaz Araya
Title:	Director
No. of Professionals:	80
Main Internal Organization:	Departments of: Engineering and development; Project application and operations.
Subject Areas of Concern:	Remote sensing. Mist. Saline water. Mapping and cartography. Climatology. Environmental impact. Vegetation.
Specific activities being carried out:	Soil maps. Studies on mist use in arid zones. Preparation of thermo-maps. Determination of chlorophyll index in waters.
New activities planned:	Saline studies in the Norte Grande. Environmental impact assessment in the Chungara lake.
Publications:	"Boletin Informativo CEE" (biannual), articles in national magazines.
Sources of Support:	Universidad de Chile and project contracts.
Fixed Experimental stations and their activities:	- Estación Exp. del Totoralillo la Serena: Measurement of water capture from mist, meteorological monitoring; - Estación de Rastreo del Peldehu: Reception and processing of satellite images.
Source of Information:	R

Code:	I312
Name:	Economic Commission for Latin America (ECLA)
Address:	Casilla 179-D, Santiago CHILE
Cable/Telex:	UNATIONS SANTIAGO/ 340295 (TRANSRADIO), 441054 (ITRT), 240077 (TELEX CHILE)
Telephone:	48 50 51 to 48 50 61
Name of the Head of the Organ:	Mr. N. Gonzalez
Title:	Executive Secretary
No. of Professionals:	
Main Internal Organization:	Divisions of: Statistics; Operations; Economic dev.; Transport; ECLAC/FAO - Agriculture; International trade; ECLAC/UNIDO - Industry and social development.
Subject Areas of Concern:	Rural development and planning. Arid lands development.
Specific activities being carried out:	To strengthen regional capabilities to develop better and indigenous alternatives for the use of arid and semi-arid lands.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(6)

Code:	I313
Name:	Universidad de Tarapaca
Address:	Casilla 287 18 Septiembre 2222, Arica CHILE
Cable/Telex:	-/221128 UNTAR CL
Telephone:	426 00, 427 00 extn: 125-127
Name of the Head of the Organ:	Sr. L. Tapia Iturrieta
Title:	Director de Investigación y Desarrollo Científico
No. of Professionals:	250
Main Internal Organization:	Natural resources; Plant protection and Plant production sections.
Subject Areas of Concern:	Irrigation systems. Agriculture. Horticulture. Plant biology. Plant ecology. Saline soils. Training and education in agriculture and soils. Water requirements in crops. Agronomy. Crop response. Fertilizers.
Specific activities being carried out:	Research on soil salinity and irrigation in the Azapa and Lluta Valleys; Research on organic fertilizer effects in saline soils; Agricultural research.
New activities planned:	
Publications:	Technical reports and monographs. "Revista IDESA" (annual), includes scientific and technical papers.
Sources of Support:	Government and own resources.
Fixed Experimental stations and their activities:	- Valle de Azapa K12: Horticulture; - Valle de Azapa K13: Subtropical fruits; - Valle de Lluta K31: Horticulture under saline conditions.
Source of Information:	R

Code:	I703
Name:	Centro de Investigaciones Biológicas de Baja California Sur (CIB)
Address:	Casilla 128, La Paz, Baja California Sur MEXICO
Cable/Telex:	
Telephone:	271 24, 281 44
Name of the Head of the Organ:	Dr. D. Lluch Belda
Title:	Director General
No. of Professionals:	35
Main Internal Organization:	Division of Terrestrial Biology.
Subject Areas of Concern:	Conservation. Biology. Agriculture. Irrigation. Biomes.
Specific activities being carried out:	Establishment of a biosphere reserve; Assessment of irrigation stoichiometry.
New activities planned:	
Publications:	Activity report of CIB.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Sierra de la Laguna, Baja California Sur.
Source of Information:	R

Code:	I704
Name:	Centro de Investigación en Química Aplicada
Address:	Apartado Postal 379 Saltillo, COAH., 25000 MEXICO
Cable/Telex:	-/381163 CIQAME
Telephone:	213 92, 454 00, 267 68
Name of the Head of the Organ:	Dr. L. Sennewald
Title:	Director General
No. of Professionals:	65
Main Internal Organization:	Directorates of: Administration; Planning and research. The latter has five departments (Engineering, Organic Chemistry, Poline, Vege-physiology and Industrial microbiology).
Subject Areas of Concern:	Drought tolerance. Economic plants. Climate-vegetal relationships. Plant breeding. Plant biology. Plant chemistry. Plant growth. Plant physiology. Plant studies. Plant uses. Planting management. Water conservation. Climatology. Microclimatology. Natural resources. Vegetation. Biotechnology.
Specific activities being carried out:	Utilization of bio-regulator to increase agriculture productivity and drought resistance; Use of agroplastics to improve productivity and reduce water use; Exploitation of natural renewable resources in relation to natural water anti-corrosive elements and natural fibres. The objective of CIQA is to carry out research and development of technologies to a rational exploitation of natural renewable resources in arid zones and support new agro-industries.
New activities planned:	Study of new natural renewable resources for industrial development use.
Publications:	Books as: "Guayule: reencuentro en el desierto", "Larrea", "Yuca", "Candelilla", "Natural resources and development in arid regions", "El Ixtle: sistema socio-economico", "Desierto y Ciencia" (annual magazine).
Sources of Support:	Government, public and private companies.
Mixed Experimental stations and their activities:	Estación experimental (2 ha): Plant physiology, growth regulation of plants and plastic use in agriculture.
Source of Information:	R

Code:	I707
Name:	Comisión Nacional de las Zonas Aridas
Address:	Blvd V. Carranza No.1623, C.P. 25280, Saltillo Coah, MEXICO
Cable/Telex:	
Telephone:	430 40, 432 43
Name of the Head of the Organ:	Ing. N.F. Garza Flores
Title:	Director General
No. of Professionals:	152
Main Internal Organization:	Divisions of: Planning and development; Industry; Finance and administration; Legal and internal auditing; also 16 provincial offices.
Subject Areas of Concern:	Agriculture. Irrigation practices. Irrigation programmes. Water harvesting. Water resources. Water utilization. Reservoirs. Rural development and planning. Economic plants. Desert plants. Land use. Plant adaptation.
Specific activities being carried out:	Establishment of infrastructure for agricultural development; Research on rain water harvesting; Industrial production of jojoba wax extraction from Candelilla plant; Construction of small dams; Plant adaptation of Quayule, Zavila, etc.; Industrialization of other desert plants.
New activities planned:	Co-ordination of new research with universities and other research centres.
Publications:	Cactus magazine.
Sources of Support:	Government.
Mixed Experimental stations and their activities:	- Planta Despalpadora de Yuca (Centre of Yucca Processing;) - Planta Extractora de Cera de Candelilla (Centre for Candelilla wax processing); - Planta para Aceite de Jojoba (Centre for Jojoba oil production).
Source of Information:	R

Code:	I709
Name:	Instituto SEDUE
Address:	Blvd Pipila No.1, Tecamacholco 53950, Edo. de Mexico MEXICO
Cable/Telex:	
Telephone:	589 45 98
Name of the Head of the Organ:	Arg. C.F. Perez Gavilan
Title:	Director General
No. of Professionals:	14
Main Internal Organization:	Programming; Scientific development and Extension Divisions.
Subject Areas of Concern:	Desertification control. Rural development and planning. Irrigation systems. Solar energy. Saline water. Water utilization. Plant adaptation. Land reclamation. Biome.
Specific activities being carried out:	Research, development and training on application of irrigation systems in arid lands; Activity planning for desertification control.
New activities planned:	Preparation of a strategic planning manual on resear and technological development for arid zones, saline water utilization research in the Zacatecas desert, introduction of saline grass-solar energy utilizatio in arid zones and development of an integrate programme for the biosphere reserve of El Pinacate.
Publications:	Technical reports.
Sources of Support:	Government.
Mixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	I711
Name:	Servicio Meteorólogico Nacional
Address:	Av. Observatorio No.192 11860, Mexico D.F. MEXICO
Cable/Telex:	-/1773331, 1774379 DEGS MME
Telephone:	515 20 90, 515 31 88
Name of the Head of the Organ:	Sr. S. Aguilar Anguiano
Title:	Director General
No. of Professionals:	19
Main Internal Organization:	Sub-directions of Meteorology and Climatology.
Subject Areas of Concern:	Meteorology. Climatology. Weather modification. Hydrology. Agricultural climatology.
Specific activities being carried out:	Hydrometeorological studies.
New activities planned:	Agrometeorological studies.
Publications:	Monthly climatic reports, hydrometeorological studies.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	I713
Name:	Universidad Nacional de Mexico Instituto de Geografía
Address:	Area de Investigación Científica, Ciudad Universitaria Coyoacan, 04510 Mexico D.F., MEXICO
Cable/Telex:	-/1760155 CICME
Telephone:	548 40 86
Name of the Head of the Organ:	Sra. M.T. Gutierrez de McGregor
Title:	Directora
No. of Professionals:	19
Main Internal Organization:	Departments of: Physical Geography; Social Geography; Economic Geography and Support Laboratories.
Subject Areas of Concern:	Geography. Climatology. Geomorphology. Drought. Mapping and Cartography. Land classification. Soil classification. Soil surveys.
Specific activities being carried out:	Definition of characteristics of Mexican climatic regions; Climatic studies.
New activities planned:	Application of remote sensing technology for climatic studies.
Publications:	Monographs and technical reports published by the Instituto de Geografia, UNAM and others.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	I715
Name:	Instituto de Ecología, A.C.
Address:	A.P. 18-845 Del., Miguel Hidalgo 11800 Mexico D.F., MEXICO
Cable/Telex:	
Telephone:	271 03 50, 271 04 35, 277 09 60
Name of the Head of the Organ:	Sr. P. Reyes Castillo
Title:	Director General
No. of Professionals:	47
Main Internal Organization:	General directorate; Technical directorate for ecology and behaviour; Technical directorate for terrestrial ecosystems; and Directorate for administration.
Subject Areas of Concern:	Ecosystems. Flora. Fauna. Parks and reserves. Animal ecology. Environmental impact. Demography. Natural resources. Vegetation. Desert ecology. Desert soils. Geomorphology. Climate. Desert animals. Biomes.
Specific Activities being carried out:	Project research on: Cattle and grassland interactions; Biosystematic ecology and biogeography of various insect groups; Lowland flora; Museology; Soil biology; Ecological studies in the Mapimí biosphere reserve; Integrated study on vegetation, soil and water resources in the Mapimí biosphere reserve oriented to livestock manag.; Biogeography and evolution of the Sonora and Chihuahua deserts; La Michilía biosphere reserve; Manag. of El Pinacate biosphere reserve in the Sonora province; Establ. of the Gomez Farias biosphere reserve; Ecological studies of the Valle de Mexico.
New activities planned:	
Publications:	"Acta Zoologica Méxicana"(bi-monthly). Reports.
Sources of Support:	Government, international organizations and own resources.
Fixed Experimental stations and their activities:	- Laboratorio del Desierto - Mapimí biosphere reserve (in Durango): Research on structure and function of the desert ecosystems; - La Michilía biosphere reserve (Durango): Management of biotic resources; - Centro Regional Norte-árido: Environment and natural resources studies, hydrological balance, climate, geomorphology.
Source of Information:	R

Code:	I717
Name:	Instituto de Investigación de Zonas Desérticas
Address:	Alvaro Obregon 64 Apartado Postal 458 C.P. 78000 MEXICO
Cable/Telex:	
Telephone:	234 61 extn: 145
Name of the Head of the Organ:	Biol. N. Vazquez Rosillo
Title:	Director
No. of Professionals:	19
Main Internal Organization:	
Subject Areas of Concern:	Water supply. Fauna. Flora. Mapping and Cartography. Biology. Plant physiology. Plant ecology. Land use. Water pollution. Soil degradation. Meteorology. Erosion. Hydrology.
Specific activities being carried out:	Establ. of biological indicators of desertification; Fauna and flora studies; Hydrogeochemical mapping; Active element identification in plants; Water supply; Land use and Water pollution.
New activities planned:	
Publications:	"Acta Cientifica Potosina", "Contribuciones del IIZD".
Sources of Support:	Universidad Autónoma de San Luis Potosi and Government.
Fixed Experimental stations and their activities:	- Racho Viejo; - Ojocaliente; - La Parada del Zarcido; - Valle de los Fantasmas: Erosion measurements, improvement of natural vegetation meteorological monitoring.
Source of Information:	R

Code:	I718
Name:	Instituto Mexicano de Recursos Naturales Renovables, A.C.
Address:	Dr. Vertiz 724, Narvarte, 03020 Mexico, D.F. MEXICO
Cable/Telex:	
Telephone:	519 16 33
Name of the Head of the Organ:	Dr. E. Beltran
Title:	Director
No. of Professionals:	Three
Main Internal Organization:	Director's office; Library; Research.
Subject Areas of Concern:	Natural resources. Ecology. Nature protection.
Specific activities being carried out:	Assessment and management of natural renewable resources.
New activities planned:	
Publications:	Books, serial booklets, annual reports.
Sources of Support:	Government and non-governmental donors.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	I719
Name:	Instituto Tecnológico de Estudios Superiores de Monterrey
Address:	Sucursal de Correos "J" Monterrey, N.L. 64849 MEXICO
Cable/Telex:	MOTEC/0382975 ITESME
Telephone:	58 20 00 extn. 179 and 436
Name of the Head of the Organ:	Dr. J.D. Vega Gutierrez
Title:	Director, Division de Ciencias Agropecuarias y Maritimas.
No. of Professionals:	23
Main Internal Organization:	Division of agricultural and marine sciences; Department of soils and agricultural engineering; Agricultural graduate programme.
Subject Areas of Concern:	Water harvesting. Irrigation. Rainfed agriculture. Agricultural engineering. Training and education in agriculture. Soils and Water. Seeds.
Specific activities being carried out:	Rain harvest in Mexican semi-desert zone project; Evaporation control project and irrigation in low rainfall zones.
New activities planned:	
Publications:	Research report (bi-annual).
Sources of Support:	Government (Comisión Nacional de Zonas Aridas), own resources.
Fixed Experimental stations and their activities:	Campo agrícola experimental: Teaching and training in agriculture and improvement of seeds.
Source of Information:	R

Code:	I720
Name:	Instituto Mexicano de Tecnológias Apropriadas, S.C.
Address:	Apdo. Postal 63-254, 02000 Mexico D.F. MEXICO
Cable/Telex:	-/1773 942 TXPLME (message for: 3-91-18-88)
Telephone:	(3) 91 18 88
Name of the Head of the Organ:	Dra. E. Olguin Palacios
Title:	Directora General
No. of Professionals:	20
Main Internal Organization:	Divisions of Technical dev. and Extension; Depts. of Biotechnology and Information.
Subject Areas of Concern:	Arid land development. Rural development and planning. Foods. Appropriate technology. Food conservation. Post-harvest conservation. Training and education in agriculture. Biotechnology.
Specific activities being carried out:	Development of non-conventional integrated systems for food production in arid zones, rural community self-sufficient model in arid zones (Mixteca -Oaxaqueña).
New activities planned:	Implementation of self-sufficient rural communities.
Publications:	Monographs, technical reports.
Sources of Support:	Contracts with Government and foundation grants (such as Ford).
Fixed Experimental stations and their activities:	- Centro de Adiestramiento en Ecotecnologías Malinalco: Training in construction; - Granja Integral de la Unidad Agrícola Industrial de la Mujer en Guanajuanto: Training farm for women.
Source of Information:	R

Code:	I721
Name:	Centro de Investigaciones Agrícolas del Noroeste
Address:	Apdo. Postal 515, cd. Obregon, Sonora MEXICO
Cable/Telex:	
Telephone:	401 01, 503 77, 457 00
Name of the Head of the Organ:	Dr. J.A. Valencia Villarreal
Title:	Director
No. of Professionals:	127
Main Internal Organization:	Office of Director; Experimental agriculture field co-ordinators; Inter-disciplinary research groups.
Subject Areas of Concern:	Agriculture. Agronomy. Biology. Biotechnology. Climate. Crop production. Crop response. Crops. Cultivation systems. Economics. Ecology. Farm equipment. Forage plants. Forage production. Plant ecology. Plant genetics.
Specific activities being carried out:	Genetic improvement of field crops and forage agriculture. Studies to improve the management of the main forage and field crop productions. Trials and validation of technology transfer in agriculture.
New activities planned:	Basic research.
Publications:	Scientific reports, technical papers, agricultural manuals, pamphlets for producers, leaflets and special publications.
Sources of Support:	Federal Government, Provincial governments of Sonora and Baja California, National Producer-Association, Industrial and philanthropic organizations.
Fixed Experimental stations and their activities:	Six fields for agricultural experiments and six sub-stations.
Source of Information:	R

Code:	I722
Name:	Instituto Nacional de Investigaciones Forestales
Address:	Av. Progreso No.5, 04110, Mexico D.F. MEXICO
Cable/Telex:	-/177 2241 SARHME
Telephone:	554 06 25, 584 84 35
Name of the Head of the Organ:	Dr. M. Caballero Deloya
Title:	Director General
No. of Professionals:	350
Main Internal Organization:	Zone directorate; Zone research co-ordination units (4); Area subdirectorates; Forest research centres; and forest experimental centres.
Subject Areas of Concern:	Forestry. Forests. Forest management.
Specific activities being carried out:	Research and experimental development on management, use and extension of the forest resources; National forest inventory.
New activities planned:	
Publications:	"Ciencia Forestal" (bi-monthly), bulletins, technical reports, brochures.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- CIFNO*: Forest technology research and management. - CIFONOR: " " " " - CIFNE*: " " " " - CIFO: " " " " - CIFREC: " " " " - CIFPHS: " " " " - CIFGO: " " " " - CIFTROH: " " " " * Focus mainly on arid zones.
Source of Information:	R

Code:	I724
Name:	Instituto Nacional de Investigaciones Agrícolas
Address:	Insurgentes Sur No.694, 10 Piso Col. del Valle Mexico 03100, D.F. MEXICO
Cable/Telex:	
Telephone:	687 76 37, 687 76 31
Name of the Head of the Organ:	Dr. R. Claveran Alonso
Title:	Director General
No. of Professionals:	1220
Main Internal Organization:	12 research centres; 55 experimental fields and programmes on crop and drought problems.
Subject Areas of Concern:	Agriculture. Plant genetics. Soil amendments. Soil management. Water management. Cultivation systems. Watershed management. Biotechnology. Crop production. Crop response.
Specific activities being carried out:	Genetic improvement; Crops; Soil management; Water management; Cultivation systems; Integrated management of watersheds; Studies of desertification effects in two experimental watersheds.
New activities planned:	Biotechnology and improvement of watershed management.
Publications:	Technical bulletins, technical magazines, publications for producers and farmers.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	Several agricultural fields for experimentation.
Source of Information:	R

Code:	I725
Name:	Departamento de Suelos Universidad Autónoma de Chapingo
Address:	Chapingo, Mex., C.P. 56230 MEXICO
Cable/Telex:	
Telephone:	(5) 85 45 55
Name of the Head of the Organ:	Ing. N. Cerda Ruiz
Title:	Jefe
No. of Professionals:	40
Main Internal Organization:	Depts. of: Teaching ; Soil Research and Service.
Subject Areas of Concern:	Training and education in soils. Soil classification. Mapping and cartography. Soil fertility. Soil management and conservation. Soil physics.
Specific activities being carried out:	Teaching in soils focusing on agriculture.
New activities planned:	
Publications:	
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	I729
Name:	Instituto Nacional de Investigaciones Pecuarias
Address:	Calle Victoria No.310, DESP. 112-115 Chihuahua, CHIH. MEXICO
Cable/Telex:	
Telephone:	(141) 6 39 05
Name of the Head of the Organ:	Dr. E. J. Sanchez Granillo
Title:	Director Regional Zona Norte
No. of Professionals:	100
Main Internal Organization:	
Subject Areas of Concern:	Grasslands, Grazing systems. Livestock. Animal health. Animal husbandry. Forage production. Economics. Social aspects. Training and education. Animal genetics. Shrubs.
Specific activities being carried out:	Basic research on grassland management, livestock nutrition, animal reproduction; Meat and milk production in arid zones; Forage production; Socio-economic studies; Animal genetic research.
New activities planned:	Research on grassland amelioration and shrubs and animals to rehabilitate degraded land.
Publications:	"Pastizales", "Rancho", "Boletin Ganadero", "Avances de la Investigación en CIPES" and other occasional publications.
Sources of Support:	Federal Government. Government of Sonora province. Union Ganadera de Sonora, CONACYT.
Fixed Experimental stations and their activities:	- Rancho Experimental "la Campaña" (Chihuahua); - Centro de Investigaciónes Pecuarias del Estado de Sonora; - Centro de Investigaciones para la Producción Lechera: Research on meat and milk production in arid zones of Mexico.
Source of Information:	R

Code:	I735
Name:	Universidad Antónoma Agraria Antonio Marro
Address:	Buenavista, Saltillo, Coahuila, MEXICO
Cable/Telex:	CIZAME 381128/-
Telephone:	
Name of the Head of the Organ:	Sr. J.L. Gutierrez Esquivel
Title:	Rector
No. of Professionals:	400
Main Internal Organization:	Animal Science Div.:- Depts. of Animal nutrition; Renewable natural resources and Animal prod.; Agronomy Div.:- Depts. of Horticulture; Botany; Phyto-improvement; Forestry and Parasitology; Engineering Div.:- Depts. of Soils; Irrigation; Statistics; Basic sciences; Agricultural equipmen Agro-climatology; Drainage; Agro-physics and Computer centre; Socio-economics Div.:- Depts. of Sociology; Economics and Agro-management.
Subject Areas of Concern:	Plant breeding. Soil manag.. Soil science. Irrigation. Natural resources. Animal prod.. Forestry. Social aspects. Economic dev.. Drought. Dry farming. Drought tolerance. Grasslands. Pastures. Agronomy. Agric.. Agricultural climatology.
Specific Activities being carried out:	Training and education on soils, irrigation, forestry, social sciences and animal sciences; Research in arid zones covering phytological improvement, irrigation, renewable natural resources, animal production, forestry and socio-economic aspects..
New activities planned:	Establishment of seed technology centre.
Publications:	Technical reports, "Agraria" scientific magazine.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- At Nora de Guadalupe, Cuencame; Durango, Navida Nuavoleon; Matchuala, Saulvis Potosi, Ocampo; Coahuila; Tepalcingo, Moreho, Buenavista; Saltillo, Coach, Coah: The main activities of these stations are related to drought- resistan crops, manag. and improvement of grasslands and pastures, manag. and appropriate use of natural resources.
Source of Information:	R

Code:	I737
Name:	Centro de Investigaciones Agrícolas del Golfo Norte
Address:	Apdo. Postal 172, Mexico D.F. MEXICO
Cable/Telex:	
Telephone:	40745, 40695, 41045, 41046, 41075
Name of the Head of the Organ:	Dr. C.A. Rincón Valdes
Title:	Director
No. of Professionals:	
Main Internal Organization:	Agro-ecological centres; Experimental agriculture field programmes.
Subject Areas of Concern:	Phytopathology. Crop production. Cultivation systems. Agriculture. Agronomy. Biotechnology. Ecology. Plant ecology. Plant genetics. Plant biology. Forage production. Soil Science.
Specific activities being carried out:	Production technology. Genetic improvement. Cultivation systems. Phytopathology research.
New activities planned:	
Publications:	Technical pamphlets, scientific reports, producer booklets.
Sources of Support:	Government and grants from foundations.
Fixed Experimental stations and their activities:	- Campo Agrícola Experimental Rio Bravo: Research on maize, sorghum, soyabeans, wheat, beans and sunflower; - Campo Agrícola Experimental Anahuec: Research on soyabeans, wheat, beans, fruit; - Campo Agrícola Experimental General Teran: Research on fruits, cultivation systems; - Campo Agrícola Experimental las Adjuntas: Research o maize, sorghum, soyabeans and forage production.
Source of Information:	R

Code:	I902
Name:	Oficina Nacional de Evaluación de Recursos Naturales
Address:	Apdo. Postal 4992, Lima PERU
Cable/Telex:	
Telephone:	41 46 06
Name of the Head of the Organ:	Sr. C. Zamora Jimeno
Title:	Jefe
No. of Professionals:	90
Main Internal Organization:	Management; Consultative Groups (National Committee for Natural Resources, Technical Committees); Support Groups (Administration, Cartography, Remote sensing, Information).
Subject Areas of Concern:	Water quality. Water resources. Geology. Remote sensing. Natural resources. Environmental impact. Conservation. Degradation. Ecology. Ecosystems. Environment. Environmental impact. Aquatic resources. Arid lands. Desertification control. Fauna surveys. Forestry. Forests. Grasslands.Human factor studies. Hydrology. Land degradation. Land management. Land use. Mapping and cartography. Soil science. Vegetation.
Specific activities being carried out:	Up-dating the potential of the natural resources of Peru; Environmental impact assessment in the coastal provinces; Application of remote sensing techniques; Inventory and assessment of water resources and water quality; Environmental planning; Preparation of a map of Peru using remote sensing technology; Ecological control and monitoring the degradation process and desertification of Peru.
New activities planned:	
Publications:	Monographs and technical reports.
Sources of Support:	Government, USAID, DAS, UNEP and Arabic Gulf Fund.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	I904
Name:	Centro de Investigación de Zonas Aridas (CIZA)
Address:	Camilo Carrillo 300-A, Lima 11 PERU
Cable/Telex:	-/21010 PE-CK
Telephone:	24 05 18, 23 35 88
Name of the Head of the Organ:	Dr. C. López-Ocaña
Title:	Director
No. of Professionals:	10
Main Internal Organization:	Research groups: Ecology; Soils; Climatology; Ancient studies.
Subject Areas of Concern:	Plant adaptation. Afforestation. Climatology. Soils Geology. Natural resources. Rural development and planning. Forest management. Mist.
Specific activities being carried out:	Exploitation of biotic resources in arid zones; Afforestation with prosopis; Water captation from fog; Introduction of new species to arid lands (jojoba and guayole); Pollen and fossil pollen studies; Archaeology.
New activities planned:	Agro-industrial processing of prosopis, guayale and jojoba, afforestation with prosopis at national level.
Publications:	"Zonas Aridas" scientific magazine (annual).
Sources of Support:	Government, AEO.
Fixed Experimental stations and their activities:	- Lima Laboratory; - Cañete station.
Source of Information:	R

Code:	K000
Name:	Institut National Agronomique
Address:	Avenue Pasteur Hacenebadi El-Harrach Algiers ALGERIA
Cable/Telex:	-/54802 DZ
Telephone:	76 13 53, 76 13 54, 76 19 87, 76 19 89
Name of the Head of the Organ:	Mr. K. M. Salah
Title:	Directeur Général
No. of Professionals:	101
Main Internal Organization:	
Subject Areas of Concern:	Afforestation. Sand dunes. Desertification control.
Specific activities being carried out:	Sand dune fixation experiments by mechanical and biological means; Basic research on afforestation.
New activities planned:	
Publications:	"Memoires de Magisters", "Memoires d'Ingenieur", "Annale de l'Institut National Agronomique".
Sources of Support:	Government.
Fixed Experimental stations and their activities:	Institut National de Recherches Forestières de Bainem: Research on problems of desertification and afforestation.
Source of Information:	R

Code:	K001
Name:	Unité de Recherche sur les Zones Arides Laboratoire de Botanique
Address:	B.P. 119, Rue Danton, Algiers, ALGERIA
Cable/Telex:	
Telephone:	63 31 08, 64 92 83
Name of the Head of the Organ:	Mme. le Professeur N. Bounaga
Title:	Directeur
No. of Professionals:	28
Main Internal Organization:	
Subject Areas of Concern:	Plant genetics. Plant studies. Plant biology. Plant physiology. Nitrogen fixation. Micronutrients. Land reclamation. Reafforestation. Sand dunes. Soil maps. Soil microbiology.
Specific activities being carried out:	Protection and amelioration of palm trees; Studies on rhizome; Plant breeding of Acacia raddiana; Preservation and regeneration of legumes of sahelian species; Soil microbiology studies; Preparation of soil maps; Feasibility studies on the use of wastes from hydrocarbon products such as fertilizers.
New activities planned:	Development of an integrated centre for research on other areas as hydrology, sociology, medicine, etc.
Publications:	Monographs, technical reports and scientific papers in various scientific journals.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Beni-abbes: Research on palms and dates; - El-Golea: Activities on dune fixation, palms and dates.
Source of Information:	R

Code:	K002
Name:	C.R.B.T.
Address:	B.P. 812, Alger-Gare, ALGERIA
Cable/Telex:	
Telephone:	64 61 22
Name of the Head of the Organ:	S. Djebaili
Title:	Directeur
No. of Professionals:	20
Main Internal Organization:	
Subject Areas of Concern:	Phytogeography. Vegetation. Ecosystems. Environment. Desert ecology. Mapping and cartography. Arid lands management and development. Natural resources.
Specific activities being carried out:	Inventory of vegetation and ecosystems; Evaluations and cartography of ecological resources in arid zones.
New activities planned:	
Publications:	"Biocenoses" review.
Sources of Support:	Government and contracts.
Fixed Experimental stations and their activities:	Three experimental stations in arid zones.
Source of Information:	R

Code:	K004
Name:	Institut National de la Recherche Agronomique d'Algérie
Address:	B.P. 15, El-Annaser, Algiers, ALGERIA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Mr. K. Ramdane
Title:	Directeur
No. of Professionals:	25
Main Internal Organization:	Headquarters in Algiers and 12 research stations.
Subject Areas of Concern:	Agriculture. Agronomy. Arid lands planning and development. Dry farming. Plant genetics.
Specific activities being carried out:	Agricultural development and research in arid zones; Utilization of plastic materials in Sahelian agriculture; Plant genetics.
New activities planned:	
Publications:	"Revue de la Recherche Agronomique".
Sources of Support:	Government.
Fixed Experimental stations and their activities:	13 Stations, three of them in arid zones.
Source of Information:	R

Code:	K005
Name:	Institut National de Recherche Forestière - INRF
Address:	B.P. 37, Cheraga, Algiers ALGERIA
Cable/Telex:	
Telephone:	84 97 90, 84 87 92
Name of the Head of the Organ:	Dr. B. Kadik
Title:	Directeur Gíníral
No. of Professionals:	
Main Internal Organization:	Four scientific departments.
Subject Areas of Concern:	Forestry. Soil Conservation. Erosion Control. Forest management. Rangeland management. Pest management and control. Sand control. Greenbelts. Shrubs.
Specific activities being carried out:	Programmes on: plant production, desertification control, sand encroachment control, tree planting, rangeland improvement, diversification of species, forest protection against pests; Studies on the use of plastic sheets and local materials for sand dune fixation in the Hassi Bahbah region; Forest preservation; greenbelt studies for dune fixation on 12,000 ha irrigated area in Becher region.
New activities planned:	
Publications:	"Bulletin Technique Forestière" (quarterly).
Sources of Support:	Government, subsidies.
Fixed Experimental stations and their activities:	- Medea: Erosion control; - Djeffer: Desertification combat; - Elkala: Fast growing forest species and shrubs; - Sidi Bel Abbes: Silviculture.
Source of Information:	R

Code:	K006
Name:	Ministère de l'Hydraulique, de l'Environnment et des Forêts
Address:	Kuoba, Algiers, ALGERIA
Cable/Telex:	-/54146 or 54160
Telephone:	58 57 58
Name of the Head of the Organ:	
Title:	Le Vice Ministre Chargé de l'Environnement et des Forêts
No. of Professionals:	30
Main Internal Organization:	
Subject Areas of Concern:	Soil erosion. Afforestation. Sand control. Sand dunes. Plant adaptation. Rural development and planning. Pastoralism.
Specific activities being carried out:	Afforestation; Combating sand movement; Land development; Pastoral improvement.
New activities planned:	
Publications:	Bulletin of the INRF (monthly).
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Institut National des Recherches Forestières; - Djelfa: Sand dune fixation and species diversification; - Medea: Soil erosion studies.
Source of Information:	R

Code:	K201
Name:	Direction de l'Agriculture
Address:	B.P.58, Porto-Novo, BENIN
Cable/Telex:	
Telephone:	21 32 90, 21 32 93
Name of the Head of the Organ:	P. Kakanakou
Title:	Ingénieur du Developpement Rural
No. of Professionals:	22
Main Internal Organization:	One national direction and four technical services.
Subject Areas of Concern:	Agriculture. Vegetation. Rural Development and planning.
Specific activities being carried out:	Vegetation protection; Rural development through Regional Action Centres for Rural Dev. (CARDER); Amendment of vegetation in the urban areas.
New activities planned:	
Publications:	None.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	K202
Name:	Direction des Eaux et Forêts
Address:	B.P. 393, Cotonou, BENIN
Cable/Telex:	
Telephone:	33 06 62, 33 06 67
Name of the Head of the Organ:	A.L. Akpado
Title:	Ingénieur des Eaux et Forêts
No. of Professionals:	35
Main Internal Organization:	Direction; Sub-direction; Four services; Six inspectorates and 125 Forestry sites.
Subject Areas of Concern:	Afforestation. Reafforestation. Forestry. Soil conservation. Forest plant adaptation.
Specific activities being carried out:	Reafforestation; Fighting forest fires; Soil protection and river banks; Monitoring tropical forests.
New activities planned:	Reafforestation and fighting forest fires.
Publications:	None.
Sources of Support:	Government, African Development Bank, UNSO.
Fixed Experimental stations and their activities:	- Unité de Recherches Forestières: Research on new species adaptation to diverse ecological sites; - Direction de la Recherche Agronomique: Preparation a pedological map of the country.
Source of Information:	(R)

Code:	K203
Name:	Direction de la Recherche Forestière, Department de la Recherche Agronomique
Address:	B.P. 06707, Cotonou, BENIN
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Mr. A. Agbahungba
Title:	Directeur
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Forestry. Soil science. Trees. Agroforestry. Fuelwood.
Specific activities being carried out:	Biology of tree species (germination, establishment of fast-growing species, fuelwood). Soil degradation. Agroforestry systems. Improvement of charcoal production.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	K204
Name:	Faculté des Sciences Agronomiques, Université Nationale du Benin
Address:	B.P. 526, Cotonou, BENIN
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	M. Adamou-N'diaye
Title:	Doyen
No. of Professionals:	31
Main Internal Organization:	
Subject Areas of Concern:	Vegetation. Forestry. Agroforestry. Pastoralism. Environment. Natural resources. Conservation. Deforestation. Desertification. Biomes. Nature protection.
Specific activities being carried out:	Studies on the vegetation cover; Conservation of natural resources; Environment; Studies on agro-silvo-pastoral equilibrium; Deforestation and desertification.
New activities planned:	Nature studies (utilization, conservation).
Publications:	"Liste de Memoires" and research reports.
Sources of Support:	Technical co-operation from Belgium, MAP-UNESCO, FED project .
Fixed Experimental stations and their activities:	- Cotonou; - Monts Konffé; - Pendjary (Biosphere reserve).
Source of Information:	R

Code:	K207
Name:	Direction Nationale des Eaux et Forêts du Ministère du Développement Rural et l'Action Coopérative
Address:	B.P.393, Cotonou, BENIN
Cable/Telex:	
Telephone:	33 06 62
Name of the Head of the Organ:	L. Akpado
Title:	Directeur
No. of Professionals:	36
Main Internal Organization:	Director's office; Forest services; Studies and development; Nature protection and hunting; Forest legislation; Six provincial inspectorates.
Subject Areas of Concern:	Forest management. Soil conservation. Water conserv.. Parks and reserves. Forests. Resevoirs.
Specific activities being carried out:	Protection of reservoirs; Development of communal forests within zones threatened by desertification.
New activities planned:	Project to combat rangeland fires in northern Benin, reafforestation project of 5000 ha in the northwestern region of the country.
Publications:	None.
Sources of Support:	Government, UNDP, UNSO, UNEP, FED, WFP.
Fixed Experimental stations and their activities:	- Unité de Recherche Forestière: basic research on diverse ecosystems in Benin; - Station Agro-pédo: pedological studies.
Source of Information:	R

Code:	K208
Name:	Cellule de Surveillance des Ecosystemes des Terrains du Parcours, Ministère des Fermes d'Etat, de l'Elevage et de la Pêche
Address:	B.P. 06711, Cotonou, BENIN
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Mr. L. Okio (focal point)
Title:	
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Remote sensing. Ecosystems. Rangelands. Environment.
Specific activities being carried out:	Satellite surveys of ecosystem modification.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	K209
Name:	Direction du Génie Rural
Address:	B.P. 268, Porto-Novo, BENIN
Cable/Telex:	
Telephone:	21 32 09
Name of the Head of the Organ:	T.J. Toni
Title:	Directeur
No. of Professionals:	16
Main Internal Organization:	
Subject Areas of Concern:	Rural development and planning. Agricultural mechanization. Water requirements in crops. Desert ecology. Water management. Reservoirs. Pastoralism. Agriculture.
Specific activities being carried out:	Reinforcement of the workshops of the Regional Action Centres for Rural Development (CARDER).
New activities planned:	Reconstruction studies of water reservoirs in the country, construction of reservoirs for agropastoral rehabilitation of rice field perimeters.
Publications:	
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	K300
Name:	Botswana Agricultural College
Address:	P.B. 0027, Gaborone, BOTSWANA
Cable/Telex:	AGRICOLA/-
Telephone:	523 81 to 523 84
Name of the Head of the Organ:	Mr. E.J. Kemsley
Title:	Principal
No. of Professionals:	28
Main Internal Organization:	
Subject Areas of Concern:	Agriculture. Rural development and planning. Training and education. Animal health. Social aspects. Crop production.
Specific activities being carried out:	Training in agriculture and animal health, social work and community development (diplomas and certificates).
New activities planned:	BSc. degree in general agriculture.
Publications:	"Boachem" student magazine.
Sources of Support:	Government and aid agencies.
Fixed Experimental stations and their activities:	Agricultural Research station with HQ at Sebele and sub-stations in other parts of the country: crop production and animal research.
Source of Information:	R

Code:	K302
Name:	Botswana Technology Centre
Address:	P.B. 0082, Gaborone, BOTSWANA
Cable/Telex:	Develop/-
Telephone:	4161/2/3 or 2829
Name of the Head of the Organ:	Mr. A.T. Aarsse
Title:	Managing Director
No. of Professionals:	9
Main Internal Organization:	Engineering service; Information service; Administration.
Subject Areas of Concern:	Appropriate technology. Water harvesting. Renewable energy. Catchments.
Specific activities being carried out:	Design of water pumping devices; Rain-water catchment and use of renewable energy; Preparation of technical papers.
New activities planned:	New technology projects on transport, food, small industries and manufacture of toys.
Publications:	Technical papers (quarterly).
Sources of Support:	Government and donor agencies.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	K303
Name:	Animal Production Research Unit
Address:	P.B. 0033, Gaborone, BOTSWANA
Cable/Telex:	RESEARCH/-
Telephone:	523 81
Name of the Head of the Organ:	B.L. Addy
Title:	Chief Animal Production and Range Research Officer
No. of Professionals:	11
Main Internal Organization:	
Subject Areas of Concern:	Livestock. Animal production. Range management. Grazing. Rangelands. Cattle. Grazing systems. Weed control.
Specific activities being carried out:	Grazing systems; Bush control; Control of poisonous plants; Dairy production; Beef cattle and small livestock productivity.
New activities planned:	Range restoration.
Publications:	Annual reports.
Sources of Support:	Government, UNDP, ODA, IDRC.
Fixed Experimental stations and their activities:	- Sebele, Gaborone HQ. Laboratory facilities and 20 ranches and grazing units in various parts of Botswana
Source of Information:	R

Code:	K304
Name:	Dept. of Environmental Science University of Botswana
Address:	P.B. 0022, Gaborone, BOTSWANA
Cable/Telex:	-/2429 BD
Telephone:	511 51
Name of the Head of the Organ:	Prof. H.J. Cooke
Title:	Head of Department
No. of Professionals:	6
Main Internal Organization:	N/A
Subject Areas of Concern:	Training and education. Drought. Soil degradation Remote sensing.
Specific activities being carried out:	Teaching and research on soil degradation; Drought monitoring; Land form evolution.
New activities planned:	Use of landsat to map and monitor areas of environmental degradation.
Publications:	Monographs, books.
Sources of Support:	Government, CIDA, private sector of Botswana.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	K305
Name:	Veld Products Research
Address:	P.O. Box 202, Gaborone, BOTSWANA
Cable/Telex:	-/2747
Telephone:	26 23
Name of the Head of the Organ:	Mr. F.W. Taylor
Title:	Consultant
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Catchments. Plant production. Non-arable agriculture. Plant use.
Specific activities being carried out:	Microcatchments for fruit and nut trees.
New activities planned:	
Publications:	
Sources of Support:	Government, donor agencies, churches.
Fixed Experimental stations and their activities:	At Gabane village: Microcatchments for fruit and nut trees, research on indigenous resources for commercial use.
Source of Information:	R

Code:	K306
Name:	Forestry Division, Ministry of Agriculture
Address:	P.B. 003, Gaborone, BOTSWANA
Cable/Telex:	
Telephone:	511 71
Name of the Head of the Organ:	E.K. Maloiso
Title:	Chief of Land Utilization
No. of Professionals:	6
Main Internal Organization:	
Subject Areas of Concern:	Planting management. Wood technology. Wood management. Forestry. Agroforestry.
Specific activities being carried out:	Tree planting in two major areas, 50 ha of Eucalyptus comadulensis and E. sidroxylon and 150 ha of E. mechanai and E. territicon per annum.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	K307
Name:	Kweneng Rural Development Association
Address:	P.B. 007, Molepolole, BOTSWANA
Cable/Telex:	
Telephone:	385/6/7
Name of the Head of the Organ:	Mr. M. Moorad
Title:	General Manager
No. of Professionals:	
Main Internal Organization:	Central administration; Units of: Agricultural suppl store; Educational center; Fresh produce store; Building supplies store; Carpentry training; Building training; Production.
Subject Areas of Concern:	Forestry. Forest products. Training and education in agriculture. Building design. Forest management.
Specific activities being carried out:	Tree planting; Training and education; Building.
New activities planned:	Planning for a four-year harvest of four main plantations.
Publications:	
Sources of Support:	Donor agencies, Government and non-governmental organizations.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	K308
Name:	Div. of Land Utilization
Address:	P.B. 003, Gaborone, BOTSWANA
Cable/Telex:	
Telephone:	51171
Name of the Head of the Organ:	E. Maloiso
Title:	Chief Land Utilisation Officer
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Forestry. Land management. Soil surveys. Rangelands. Ecology. Land conservation. Mapping and cartography. Drought. Grazing. Land surveys. Planting management. Water utilization. Sand dunes.
Specific activities being carried out:	Drought relief project; Well and pan digging and water reticulation to grazing areas; Establishment of plantations; Sand dune stabilization; Rangeland conditions survey; Grazing carrying capacity studies.
New activities planned:	
Publications:	
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	K309
Name:	Mahalapye Development Trust
Address:	P.O. Box 291, Mahalapye, BOTSWANA
Cable/Telex:	
Telephone:	256
Name of the Head of the Organ:	Mr. D.M. Mokalake
Title	Secretary
No. of Professionals:	10
Main Internal Organization:	
Subject Areas of Concern:	Health; Training and education; Forestry; Rural development and planning; Dry farming; Livestock.
Specific activities being carried out:	Co-ordinating farming activities; Promotion of rural industries; Preventive health care and education.
New activities planned:	Food and nutrition programme.
Publications:	None.
Sources of Support:	CUSO, UCCS, USA - Ambassador Self Help Fund, Peace Corps.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	K310
Name:	Range Ecology Unit Ministry of Agriculture
Address:	P.B. 003, Gaborone, BOTSWANA
Cable/Telex:	
Telephone:	51171 ext. 173
Name of the Head of the Organ:	Mr. R.M. Kwerepe
Title	Range Ecologist
No. of Professionals:	Three
Main Internal Organization:	
Subject Areas of Concern: plant adaptation.	Overgrazing. Sand dunes. Rangeland management.
Specific activities being carried out:	Sand dune stabilization; Introduction of plant species; Range land management and extension; Environmental degradation awareness.
New activities planned:	Rangeland monitoring, primary production studies.
Publications:	
Sources of Support:	Government.
Fixed Experimental stations and their activities:	At Bokspits and Gaborone.
Source of Information:	R

Code:	K311
Name:	Land Utilization Division Ministry of Agriculture
Address	P.B. 003, Gaborone, BOTSWANA
Cable/Telex:	
Telephone:	51171
Name of the Head of the Organ:	Mr. E.K. Maloiso
Title:	Chief Land Utilization Officer
No. of Professionals:	Three
Main Internal Organization:	Range Ecology Unit.
Subject Areas of Concern:	Sand dunes. Land reclamation. Overgrazing. Rangelands. Livestock.
Specific activities being carried out:	Sand dune stabilization; Reclamation of overgrazed areas; Range monitoring.
New activities planned:	
Publications:	Periodicals.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	Animal Production Research Unit: Livestock and Range research.
Source of Information:	R

Code:	K313
Name:	Interministerial Drought Committee
Address:	Ministry of Finance P.B. 008, Gaborone, BOTSWANA
Cable/Telex:	-/2401 BD
Telephone:	557 15, 552 87
Name of the Head of the Organ:	Mrs. E. Mathe
Title:	Coordinator of Rural Development
No. of Professionals:	Three
Main Internal Organization:	Department of Food Resources; District Drought Committees.
Subject Areas of Concern:	Drought. Relief activities. Food supply. Agriculture. Social aspects.
Specific activities being carried out:	Supplementary feeding to population. Public work programmes. Agriculture and water relief programmes.
New activities planned:	Finalization of a medium-term national food strategy.
Publications:	Monthly early warning reports on drought conditions.
Sources of Support:	Government, UN agencies, international donors.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	K315
Name:	Department of Water Affairs
Address:	P.B. 0029, Gaborone, BOTSWANA
Cable/Telex:	WATER/2557 WATER BD
Telephone:	52241/2/3
Name of the Head of the Organ:	G.M. Quraishi
Title:	Director
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Water resources. Water supply. Water pollution. Training and education. Hydrology. Catchments. Water allocation. Water harvesting. Water management. Meteorology.
Specific activities being carried out:	Hydrology data collection; Borehole siting and drilling; Design, construction and maintenance of village water supply schemes.
New activities planned:	Biological control of aquatic weeds, Okavango water resources development, catchments studies.
Publications:	None.
Sources of Support:	Government and other donor governments.
Fixed Experimental stations and their activities:	Hydrometeorological networks to measure stream flow, rainfall, wind speed and direction, evaporation, and temperatures.
Source of Information:	R

Code:	K317
Name:	National Institute of Development and Documentation, University of Botswana
Address:	P.B. 0022, Gaborone, BOTSWANA
Cable/Telex:	-/2429 BD
Telephone:	511 55 extn. 218
Name of the Head of the Organ:	L.D. Ngcongeo
Title:	Director
No. of Professionals:	Five
Main Internal Organization:	
Subject Areas of Concern:	Rural development and planning. Cattle. Economic development. Agriculture. Training and education in agriculture. Human health. Settlements. Migration.
Specific activities being carried out:	Rural development with emphasis on cattle sector reforms; Development of the traditional economy; Crop research and farming activities; Monitoring and evaluation of education particularly in production, health and nutrition; Settlements and migration; Development of a documentation section.
New activities planned:	
Publications:	Working paper series, research notes series, seminar proceeding series, working bibliography series and a newsletter.
Sources of Support:	Government and donor agencies.
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	K318
Name:	Pelegano Village Industries
Address:	P.O. Box 464, Gaborone, BOTSWANA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	F.W. Taylor
Title:	Director
No. of Professionals:	5
Main Internal Organization:	
Subject Areas of Concern:	Appropriate technology. Energy. Water resources. Dry-farming. Agriculture. Solar energy. Animal work and traction. Food conservation. Catchments. Water storage. Domestic animals. Water harvesting. Wind power.
Specific activities being carried out:	Advice and assistance on small scale industries notably in handicrafts, textiles and food processing sectors; Innovations in appropriate technology including ox-carts, hand carts, windmills, water catchment and storage systems, solar ovens and heaters; Dryland orchard farming.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	K320
Name:	Forest Association of Botswana
Address:	P.O. Box 2088, Gaborone, BOTSWANA
Cable/Telex:	-/2435 BD
Telephone:	4431/2
Name of the Head of the Organ:	Mr. D. Inger
Title:	President
No. of Professionals:	Only volunteers.
Main Internal Organization:	
Subject Areas of Concern: Agroforestry.	Shrubs. Forestry. Forest management. Wood management.
Specific activities being carried out:	Promoting forest industries and local scientific research in forestry; Assisting organizations involved in tree planting; Protection of trees and shrubs.
New activities planned:	A national tree planting day.
Publications:	Annual journal, a book for school children.
Sources of Support:	NORAD, British High Commission, Biot Fur Die Welt.
Fixed Experimental stations and their activities:	- Kanya: Wood lots; - Selebi Pikwe: Agroforestry; - Molepolole: Nursery.
Source of Information:	R

Code:	K400
Name:	Centre de Recherches Forestières
Address:	B.P. 2102, Yaounde, CAMEROON
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	A.M. Maimo
Title:	Chef de Centre
No. of Professionals:	Three (in the arid lands).
Main Internal Organization:	
Subject Areas of Concern:	Forestry. Soil management. Agroforestry. Forest management.
Specific activities being carried out:	Selection of inter and intra-specific essays of work on soil and forests; Studies of water-soil-plant relationships; Agroforestry and management of natural forests.
New activities planned:	
Publications:	Activity reports, technical reports.
Sources of Support:	Government, French co-operation and World Bank.
Fixed Experimental stations and their activities:	Maroua: as above.
Source of Information:	R

Code:	K401
Name:	Centre de Recherches Géologiques et Minières
Address:	B.P. 333, Garoua, CAMEROON
Cable/Telex:	
Telephone:	27 14 82, 27 15 61
Name of the Head of the Organ:	N.J. Blaise
Title:	Chef de Centre
No. of Professionals:	10
Main Internal Organization:	
Subject Areas of Concern:	Mapping and cartography. Geology. Geochemical explorations. Geomorphology.
Specific activities being carried out:	Geological studies and maps of certain regions of Cameroon; Study of the Pan-African origin in northern Cameroon; Studies of bauxite deposits.
New activities planned:	
Publications:	Geological bulletins, "Memoires", and theses.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	K404
Name:	Institut de la Recherche Agronomique (IRA)
Address:	B.P. 2123, Yaounde-Messa, CAMEROON
Cable/Telex:	-/1140 KN
Telephone:	23 26 44
Name of the Head of the Organ:	Dr. J.P. Eckebil
Title:	Directeur
No. of Professionals:	
Main Internal Organization:	Within Ministère de l'Enseignement Supérieur et de la Recherche Scientifique.
Subject Areas of Concern:	Water resources. Soil science. Erosion. Hydrology. Hydrogeology. Agronomy.
Specific activities being carried out:	Studies of water and soil. Hydraulic studies in northern Cameroon.
New activities planned:	
Publications:	Activity reports.
Sources of Support:	Government and International Organizations (USAID, World Bank, CIRAD).
Fixed Experimental stations and their activities:	- Marona B.P. 33; - Njombe B.P. 13; - Ekona P.M.B. 25, Buea; - Nkolbisson B.P. 2067, Yaounde-Messa; - Centre National des Sols B.P. 5578, Yaounde; - Centre de Recherches Forestières de Nkolbisson, B.P. 2102, Yaounde.
Source of Information:	R

Code:	K405
Name:	Institut de Recherche sur Techniques d'Industrie, de Sol et de Sous-sol (IRTISS)
Address:	B.P. 4110, Yaounde, CAMEROON
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	D. Soba
Title:	Directeur
No. of Professionals:	42
Main Internal Organization:	
Subject Areas of Concern:	Agricultural mechanization. Hydrology. Energy. geology. Soil science. Agricultural engineering.
Specific activities being carried out:	Research and development of mechanical agriculture; Hydrology; Geology and Energy.
New activities planned:	
Publications:	"Cahiers de l'IRTISS".
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(2)

Code: K407

Name: Institute of Animal Research - IRZ

Address: P.B. 1457, Yaounde, CAMEROON

Cable/Telex:

Telephone:

Name of the Head of the Organ: Dr. E.D. Tebong

Title: Director

No. of Professionals: 55

Main Internal Organization: Directorate; Two centres; Seven stations; four sub-stations.

Subject Areas of Concern: Pastures. Grasslands. Grasses. Grazing systems. Drought tolerance. Desert grasslands. Plant adaptation. Leguminosae. Seeds. Livestock. Forage grasses. Forage plants. Forage production. Plant breeding. Forage supply. Overgrazing. Training and education. Land reclamation.

Specific activities being carried out: Research on improvement of natural and degraded pasturelands; Controlled grazing and determination of optimum pasture carrying capacities of different types of pasturelands; Identification, collection, inventory, prod. and multiplication studies on local drought-resistant pasture plant species; Adaptive research on drought-resistant grasses and legume species; Multiplication and dissemination of seeds of adapted species or varieties for farmers; Conservation of forage for livestock fodder; Utilization of agro-industrial by-products and crop residues in animal feeding.

New activities planned: Further studies on the exploitation and dissemination of drought resistant pasture grass/legume species, breeding and multiplication of new drought-resistant species for pasture and fodder production, effective control of overgrazing, training farmers on better use of pastures, elimination or control of bush fires.

Publications: IRZ annual report, "Mesres Review Science and Technology".

Sources of Support: Government.

Fixed Experimental stations and their activities:
- Wakwa Station, Adamawa: Agrostology, beef and dairy research;
- Yagoua (extreme North): Agrostology, sheep and goats, endangered beef cattle;
- Garoua (north): Agrostology, sheep;
- Bambui (north-west): Agrostology, dairy and beef;
- Mankon (north west): Agrostology, sheep, goats, poultry and rabbits;
- Nkolbisson (centre): Agrostology, sheep, goats, poultry and pigs;
- Bertoua (east): Agrostology, cattle, sheep and goats;
- Bangangte (west): Agrostology, cattle, sheep and goats.

Source of Information: R

Code:	K409
Name:	Institut de Recherches Géologiques et Minières
Address:	B.P. 4110, Yaounde, CAMEROON
Cable/Telex:	
Telephone:	23 00 08
Name of the Head of the Organ:	S. Djallo
Title:	Maître de Recherches
No. of Professionals:	31
Main Internal Organization:	Four operational structures.
Subject Areas of Concern:	Hydrology. Rainfall. Geology. Mapping and cartography. Energy. Alternate energy. Desertification control.
Specific activities being carried out:	All actions related to desertification combat, hydrology and energy in northern Cameroon.
New activities planned:	Extension of the research programmes on hydrology, geology and energy.
Publications:	Annual hydrological report, annual solar metric report, technical reports.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Centre de Recherches Hydrologiques de Yaounde; - Laboratoire de Recherches Energetiques de Yaounde.
Source of Information:	R

Code:	K412
Name:	Office National de la Recherche Scientifique et Technique
Address:	B.P. 1457, Yaounde, CAMEROON
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	
Title:	Directeur Général
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Soil science. Hydrology. Demography. Economic dev.. Geography. Vegetation. Entomology. Human health. Human factor studies.
Specific activities being carried out:	
New activities planned:	
Publications:	"Cahiers" (quarterly), "Recherches et Etudes Camerounaires".
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	K414
Name:	Association des Clubs des Amis de la Nature
Address:	B.P. 271, Garona, CAMEROON
Cable/Telex:	ACAN BP 271 GAROUA/-
Telephone:	27 10 25, 27 11 25
Name of the Head of the Organ:	Dr. A.A. Aslo
Title:	
No. of Professionals:	2
Main Internal Organization:	
Subject Areas of Concern:	Forests. Environment. Conservation. Afforestation. Desertification control. Greenbelts.
Specific activities being carried out:	Tree planting campaigns in schools and rural areas.
New activities planned:	Seminars, youth camps and participation in the Green Sahel operation.
Publications:	"CLUB-INFO".
Sources of Support:	World Wildlife Fund and various donors.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	K502
Name:	Instituto de Pesquisa e Tecnologia
Address:	Praia, CAPE VERDE
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	J. Querido
Title:	Director
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Biogas Technology. Energy. Solar energy. Wind power. Alternate energy.
Specific activities being carried out:	Studies on energy problems, wind energy and biogas uses.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	K503
Name:	Centre for Agrarian Studies, Ministry for Rural Development
Address:	P.O. Box 50, Praia, CAPE VERDE
Cable/Telex:	-/72 MDR/CV
Telephone:	
Name of the Head of the Organ:	H. da Silva Soares
Title:	Director General
No. of Professionals:	20
Main Internal Organization:	Departments.
Subject Areas of Concern:	Soil management and conservation. Hydrology. Soil maps. Land use. Soil fertility. Saline soils. Crops. Irrigation. Pastures. Vegetation. Pest management and control. Animal diseases. Social aspects. Water balance. Watershed management.
Specific activities being carried out:	Soil mapping; Land use planning; Soil fertility and salinity; Crop variety trials; Irrigation; Vegetation and pasturage; Mapping; Biological control of pests.
New activities planned:	Hydric balance in sub-watersheds, erosion assessments; pilot watershed for management studies.
Publications:	"Investigaçao Agrária (biannual).
Sources of Support:	Government and donors (USAID, FRG).
Fixed Experimental stations and their activities:	S. Jorge dos Orgaos and Tarrafal in Santiago Island, and Monte Genebra in Fogo: Crop variety studies; integrated pest management, irrigation needs for crops, soil fertility.
Source of Information:	R

Code:	K504
Name:	Ministério do Desenvolvimento Rural
Address:	B.P. 50, M.D.R., Praia, CAPE VERDE
Cable/Telex:	72 MDR-CV
Telephone:	331
Name of the Head of the Organ:	Mr. J. Pereira Silva
Title:	Ing. Agrónomo, Minister of Rural Development.
No. of Professionals:	147
Main Internal Organization:	
Subject Areas of Concern:	Soil conservation. Water conservation. Forest management.
Specific activities being carried out:	Conservation of soils, waters and forests.
New activities planned:	Extension of the present activities.
Publications:	None.
Sources of Support:	International Organizations (FAO/BEL, USAID, EEC, UNSO/UNDP, etc.).
Fixed Experimental stations and their activities:	Centre for agrarian studies at S.Jorge.
Source of Information:	R

Code:	K505
Name:	Centro de Estudos Agrários
Address:	P.O. Box 50, Sao Jorge dos Orgaos, CAPE VERDE
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Mr. H. Soares
Title:	Director
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Natural resources. Agricultural climatology. Hydrology. Soil sciences. Erosion. Soil fertility. Water management. Water analysis. Water requirements in crops. Irrigation. Social aspects. Economics. Training and education. Rural development and planning
Specific activities being carried out:	Inventory of natural resources; Agroclimatology; Hydrology and soil sciences studies; Quantification and evaluation of erosion; Erosion combat techniques; Agricultural productivity; Water economy and soil fertility; Soil and water analysis; Evaluation of waste water for irrigation; Family economics; Social problems; Land legislation; Agroeconomics and training scientific staff.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	K600
Name:	Direction de Forêts
Address:	B.P. 447, N'Djamena, CHAD
Cable/Telex:	
Telephone:	34 24
Name of the Head of the Organ:	A. Mahamat
Title:	Directeur
No. of Professionals:	39
Main Internal Organization:	Three service centers and eight forest inspectorates.
Subject Areas of Concern:	Reaforestation. Forest management. Forest products. Forestry. Plant adaptation.
Specific activities being carried out:	Reafforestation projects; Establishment of nurseries at community level.
New activities planned:	Inventory of forest resources, introduction of new species, research on local forest species.
Publications:	None.
Sources of Support:	Government, international organizations (e.g. UN System); NGOs (e.g. CARE-Tchad, AFRICARE, AICF, etc.).
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	K601
Name:	Direction du Genie Rural
Address:	B.P. 47, N'Djamena, CHAD
Cable/Telex:	-/CABPUB C 5248 KD
Telephone:	22 82
Name of the Head of the Organ:	A. Abderahmane
Title:	Ingenieur des Travaux Ruraux
No. of Professionals:	25
Main Internal Organization:	
Subject Areas of Concern:	Water conservation. Soil management and conservation. Reafforestation. Irrigated agriculture. Irrigation. Rural development and planning. Land reclamation.
Specific activities being carried out:	Barrier construction in two regions of Chad; Reafforestation and irrigated agriculture in the N'Damena region.
New activities planned:	Development of soils by irrigation.
Publications:	Activity reports.
Sources of Support:	Government, international organizations and NGOs.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	K602
Name:	Direction de Plan et du Developpement, Ministère du Plan et de la Cooperation
Address:	B.P. 286, N'Djamena, CHAD
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	
Title:	Directeur
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Economic development. Agriculture. Rural development and planning.
Specific activities being carried out:	
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	K603
Name:	Laboratoire de Recherches Vétérinaires et Zootechniques
Address:	B.P. 433, N'Djamena, CHAD
Cable/Telex:	LABOFARCHA - N'DJAMENA/-
Telephone:	24 75
Name of the Head of the Organ:	
Title:	
No. of Professionals:	5
Main Internal Organization:	
Subject Areas of Concern:	Vegetation. Animal diseases. Animal health. Anima physiology. Livestock. Pastoralism. Pest control animals. Grazing.
Specific activities being carried out:	Vaccine production.
New activities planned:	Agrostologic studies, epidemiologic studies.
Publications:	"Revue de l'Institut d'Elevage et de Medecine Veterinaire des Pays Tropicaux".
Sources of Support:	From vaccine sales, FAO, FED.
Fixed Experimental stations and their activities:	Planned for 1986.
Source of Information:	R

Code:	K604
Name:	Institut d'Enseignement Zootechnique et Vétérinaire d'Afrique Centrale, Université du Tchad
Address:	B.P. 683, N'Djamena, CHAD
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	L. de Selion Donkar
Title:	Dean
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Pastoralism. Livestock. Drought. Mapping and cartography. Agriculture. Drought tolerance. Training and education in agriculture and animals.
Specific activities being carried out:	
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	K605
Name:	Institut National des Sciences Humaines
Address:	B.P. 503, N'Djamena CHAD
Cable/Telex:	
Telephone:	29 67, 29 85
Name of the Head of the Organ:	P. Dagou
Title:	Directeur
No. of Professionals:	23
Main Internal Organization:	
Subject Areas of Concern:	Geography; Ethnology.
Specific activities being carried out:	Assisting the research activities of international organizations in the desertification-threatened Sahelian zone.
New activities planned: and linguistics.	Basic research in geography, history, ethnology.
Publications:	
Sources of Support:	Government and international organizations.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	K607
Name:	Direction des Forêts, Chasse et Lutte contre la Désertification
Address:	B.P. 447, N'Djamena, CHAD
Cable/Telex:	
Telephone:	34-24
Name of the Head of the Organ:	A. Mahamat
Title:	Directeur
No. of Professionals:	25
Main Internal Organization:	Direction; Services; Forest Inspections.
Subject Areas of Concern:	Agroforestry. Forest products. Soil management and conservation. Afforestation. Sand dunes. Forest management. Forestry. Vegetation.
Specific activities being carried out:	Community afforestation; Vegetation protection; Establishment of forest nurseries.
New activities planned:	Establishment of new forest nurseries, reafforestatio programmes, management of natural and planted forests establishment of wind break programmes, sand dune fixation around oases, development of gum tree production.
Publications:	Monographs.
Sources of Support:	Government, UNDP, UNSO, FAO, PAM, CARE, USAID.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	K608
Name:	Direction des Ressources en Eau et de la Méteorologie
Address:	B.P. 429, N'Djamena, CHAD
Cable/Telex:	
Telephone:	30 81 or 30 43
Name of the Head of the Organ:	B. Neamiongodo
Title:	Directeur
No. of Professionals:	26
Main Internal Organization:	Five services.
Subject Areas of Concern:	Hydrology. Agricultural climatology. Climatology.
Specific activities being carried out:	AGRHYMET-Chad project.
New activities planned:	Agrometeorological monitoring.
Publications:	Agrometerological bulletins (monthly), pluviometric and hydrological bulletins (monthly), hydrological yearbook.
Sources of Support:	Government and WMO, UNDP, CILSS
Fixed Experimental stations and their activities:	Observation stations: Nine agrometeorological, 20 climatological, 110 pluviometrical and 50 hydrological.
Source of Information:	R

Code:	K609
Name:	Station de Recherche Bardai
Address:	Tibesti, CHAD
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Dr. J.Hoverman
Title:	Directeur
No. of Professionals:	
Main Internal Organization:	Geographical station of the Free Universiity of Berlin.
Subject Areas of Concern:	Desert ecology. Geomorphology.
Specific activities being carried out:	Research in desert geomorphology, assited by Berlin Research Association.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	K700
Name:	Institut Supérieur d'Etudes et de Recherches Scientifiques et Techniques
Address:	P.O. Box 486, Djibouti, DJIBOUTI
Cable/Telex:	-/5811 DJ
Telephone:	35 27 95
Name of the Head of the Organ:	A. Abdallah
Title:	Geophysicien
No. of Professionals:	16
Main Internal Organization:	Direction; Administration and sections of Soil, Human and Biological Sciences (the latter is concerned with desertification).
Subject Areas of Concern:	Forests. Forestry. Environment. Desertification control.
Specific activities being carried out:	Protection and conservation of the Day forests.
New activities planned:	Forest development and desertification control in collaboration with the Ministry of Agriculture and Rural Development.
Publications:	None.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Station du Day: Experimental research laboratory.
Source of Information:	R

Code:	K701
Name:	Service de l'Agriculture et des Forêts
Address:	B.P. 224, Djibouti, DJIBOUTI
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	
Title:	Directeur
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Soil amendment. Reaffforestation. Forestry. Soil science. Soil management.
Specific activities being carried out:	
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	K804
Name:	Dept. of Geology, Faculty of Science, University of Alminyah
Address:	Alminyah, EGYPT
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Dr. A. Al-Jundi
Title:	Head, Dept. of Geology.
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Soil degradation. Sand control. Irrigated soils. Saline soil.
Specific activities being carried out:	Research on the problems of soil deterioration resulting from salinity and the accumulation of shifting sands settling on irrigated lands along the Nile.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(2)

Code:	K805
Name:	Desert Research Institute
Address:	El-Mattaria, Cairo, EGYPT
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Prof. S. Thabet
Title:	Director
No. of Professionals:	61
Main Internal Organization:	Plant and animal research section: Animal production, Plant production, and Ecology; Water Resources and Soil Research Station: Soil and water conservation, Soils, Hydrology, and Geology.
Subject Areas of Concern:	Animal production. Erosion Control. Geology. Sheep. Geomorphology. Horticulture. Soil conservation. Land reclamation. Water salinisation. Water resources. Climate. Sand dunes. Natural resources. Agiculture.
Specific activities being carried out:	Regional study of the Atesian Basin in northern Sudan; Soil study on the fringes of lake Nasser; Preparation of a sheep encyclopedia for the Arab world; National programme for sand dune fixation; Study on agricultural natural resources in Sinai and their future till the year 2000.
New activities planned:	
Publications:	"Desert Institute Bulletin" (biennial).
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)(2)

Code:	K806
Name:	Drainage Research Institute
Address:	13 Giza Street, Giza, EGYPT
Cable/Telex:	94014 EXWAP UN
Telephone:	723054
Name of the Head of the Organ:	Mr. M.M. Gasser
Title:	Professor
No. of Professionals:	35
Main Internal Organization:	Four organizations.
Subject Areas of Concern:	Drainage. Irrigation. Water balance. Water salinisation. Water reuse.
Specific activities being carried out:	Drainage technology and criteria; Reuse of drainage water for irrigation; Water and salt balance studies in certain areas.
New activities planned:	The effects of saline water irrigation on soil and crops.
Publications:	Reports for the Advisory Panel for Land Drainage in Egypt, scientific papers.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	K808
Name:	General Organization for Desert Rehabilitation
Address:	Dokki, Cairo, EGYPT
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	
Title:	Director
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Ground water allocation. Agronomy. Water conservation. Water management. Livestock. Land reclamation. Natural resources. Desert biome.
Specific activities being carried out:	Survey and evaluation of underground water in the Western Desert; Survey of the natural resources of the Mediterranean Desert; Pre-investment study of the northwestern coastal region.
New activities planned:	
Publications:	Technical reports.
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	K809
Name:	National Research Centre: Soil and Water Laboratory
Address:	Eltahrir Street, Dokki, Cairo, EGYPT
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Dr. M. Kamel
Title:	Director
No. of Professionals:	31
Main Internal Organization:	
Subject Areas of Concern:	Soil classification. Drainage. Soil degradation. Saline soils. Soil fertility. Nitrogen fixation. Remote sensing. Irrigation systems.
Specific activities being carried out:	Soil survey of Wadi El Natroun, Siwa Oasis and Monayef Oasis; Study of water requirements for the Mariouit project; Evaluation of the drainage efficiency in the Nile delta; Evaluation of the efficiency and economics of sprinkler irrigation in Enshas; Use of remote sensing techniques in agriculture.
New activities planned:	
Publications:	"The Scientific Review of the National Research Centre" (quarterly).
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	K811
Name:	Research Institute for Ground Water
Address:	15, Giza Street, Giza, Cairo, EGYPT
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Dr. K. Hefni
Title:	Director
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Groundwater. Hydrogeology. Seepage. Aquifers. Land reclamation. Water salinisation.
Specific activities being carried out:	Conducting hydrogeological investigations in the Nile Valley; Study of changes in the groundwater regime due to the construction of the Aswan High Dam; Study of the effects of land reclamation in the Kom Ombo plateau on the hydrogeology of groundwater reservoirs; Study of salt water intrusion on Nile Delta aquifers; Study of Nubian sandstone aquifers in north-east Africa.
New activities planned:	
Publications:	Technical reports.
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	K814
Name:	Soil and Water Research Institute
Address:	Agricultural Research Centre El-Dokki, Cairo, EGYPT
Cable/Telex:	
Telephone:	
Name of the Head of the Organisation:	Dr. I. Antar
Title:	Director
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Erosion. Land use. Land reclamation. Water salinisation. Water quality. Mapping and cartography. Drainage. Saline soils. Crop production. Water use. Biogas technology.
Specific activities being carried out:	Preparation of productivity map of Egypt; Drainage system and materials project; Studies on the reclamation of alkaline and saline soils; Water use and management project; Egyptian major cereal improvement project; Land master plan; Regional project for water and land use; Drainage criteria project and Egyptian national biogas project.
New activities planned:	
Publications:	"Agricultural Research Review".
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	K815
Name:	Desert Development Center The American University in Cairo
Address:	113, Sharia Kasr El Aini, Cairo, EGYPT
Cable/Telex:	VICTORIOUS-CAIRO/92224 AUCAI UN
Telephone:	54 29 69
Name of the Head of the Organ:	Dr. A. Bishay
Title:	Director
No. of Professionals:	40
Main Internal Organization:	Three research units.
Subject Areas of Concern:	Hydroponics. Horticulture. Dry farming. Crop response. Drought tolerance. Micronutrients. Non-arable agriculture. Arid lands planning and development. Water management. Renewable energy. Biogas technology. Energy. Solar energy. Desert soils. Training and education in lands and soils.
Specific activities being carried out:	Desert farming systems research with special interest in improving sandy soil productivity; Appropriate horticultural testing and demonstration; Non-conventional techniques of agriculture.
New activities planned:	Demonstration of six alternative farms as possible models for young graduates, demonstration of a dairy processing pilot project using biogas and solar thermal energy; hybrid renewable energy systems for remote desert areas.
Publications:	"Advances in Desert and Arid Land Technology and Development", brochures and progress reports.
Sources of Support:	Government, Near East Foundation, IDRC-Canada, Ford Foundation, USAID, private donations, Iran Development Bank, UNDP, World Bank, FAO.
Fixed Experimental stations and their activities:	- 500 acres at south Tahrir for applied research and demonstrations in desert agriculture using conventional power; - 200 acres at Sadat City for non-conventional agriculture and renewable energy applications.
Source of Information:	R

Code:	K817
Name:	Botany Dept., Ecology Lab., Alexandria University
Address:	Moharram Bey, Alexandria, EGYPT
Cable/Telex:	
Telephone:	22919
Name of the Head of the Organ:	Prof. M. Ayyad
Title:	Plant Ecologist
No. of Professionals:	12
Main Internal Organization:	Ecology laboratory.
Subject Areas of Concern:	Vegetation. Nutrients. Land use. Mapping and cartography. Phytogeography. Coastal deserts. Crop protection. Biomes.
Specific activities being carried out:	Vegetation analysis; Nutrient cycling; Land use maps; phyto-sociology.
New activities planned:	Modelling of the crop production in the northwestern coastal desert of Egypt.
Publications:	Progress reports.
Sources of Support:	Government
Fixed Experimental stations and their activities:	- Burg, El Arab; - Omyed: biosphere reserve.
Source of Information:	R

Code:	K819
Name:	Institute of African Research and Studies, Cairo University
Address:	12613 Giza, Cairo, EGYPT
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Prof. M. A. Seoudy
Title:	Director
No. of Professionals:	24
Main Internal Organization:	Six departments.
Subject Areas of Concern:	Geography. Afforestation. Soil conservation. Plant adaptation. Animal adaptation. Vegetation. Economic development. Desert soils. Soil erosion. Fauna.
Specific activities being carried out:	Programmes on afforestation, soil conservation, soil fauna; Desertification indicators; Vegetation regeneration; Litter breakdown in deserts; Plant and animal adaptation.
New activities planned:	Transformation of organic matter in desert soils, characterization of sites according to abiotic and biotic parameters, wind tunnel experiments on soil erosion.
Publications:	"African Studies Review", "African Studies Review Special Publications", occasional papers, "Proceedings of ISAS" (biannual).
Sources of Support:	Government.
Fixed Experimental stations and their activities:	Burg El-Arab Station, 50 km west of Alexandria.
Source of Information:	R

Code:	K821
Name:	The Egyptian Remote Sensing Centre (RSC)
Address:	Academy of Scientific Research and Technology 101, Kasr El Eini Street, Cairo, EGYPT
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Dr. M.A. Hady
Title:	Director
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Remote sensing. Mapping. Hydrogeology. Sand dunes. Water storage. Drainage. Oases. Desertification.
Specific activities being carried out:	Geological and structural investigations of the site of water storage tanks in sector F, El-Mokattam City; Delineation of sand dunes in Asyut and El-Bahariya oases; Geology studies of land forms and drainage of El-Ismailia Canal; Monitoring desertification in Egypt; Monitoring urban development of Greater Cairo area.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	K900
Name:	African Training and Research Centre for Women (ATRCW) - UNECA
Address:	P.O. Box 3001, Addis Ababa, ETHIOPIA
Cable/Telex:	-/21029 ECA
Telephone:	44/200
Name of the Head of the Organ:	M. Tadesse
Title:	Chief
No. of Professionals:	Six
Main Internal Organization:	ATRCW is a division of UNECA.
Subject Areas of Concern:	Rural development and planning. Social aspects. Drought. Water supply. Afforestation. Fuelwood. Food supply.
Specific activities being carried out:	ATRCW is responsible for carrying out the Arusha strategies for the advancement of women in Africa.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	K901
Name:	Agronomic Research Co-ordination Unit
Address:	P.O. Box 5765, Addis Ababa, ETHIOPIA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	
Title:	Director
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Agronomy. Agriculture. Crop response. Cultivation systems. Irrigation. Plant populations. Planting management. Pest management and control.
Specific activities being carried out:	Serving government farms under the State Farms Development Authority of the Ministry of Agriculture.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	K902
Name:	Association for the Development of Agricultural Sciences in Africa (ADASA)
Address:	P.O. Box 30087, Addis Ababa, ETHIOPIA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Dr. J.M. Menyanga
Title:	Administrative Secretary-General
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Crop production. Animal health. Soil management. Water manag.. Animal production. Agricultural mechanization. Economic development. Rural dev. and planning. Social aspects. Food conservation. Foods.
Specific activities being carried out:	Development, promotion and application of agricultural sciences and exchange of ideas; Encouraging training and holding seminars in different African countries.
New activities planned:	
Publications:	"African Journal of Agricultural Sciences", "ADASA Newsletter", proceedings of workshops and conferences.
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	K905
Name:	Desert Locust Control Organization for Eastern Africa
Address:	P.O. Box 4255, Addis Ababa ETHIOPIA
Cable/Telex:	DESLOC ADDIS/-
Telephone:	18 14 75, 18 14 77, 18 14 64
Name of the Head of the Organ:	H.E. Mr. M. Wako
Title:	Director General
No. of Professionals:	50
Main Internal Organization:	
Subject Areas of Concern:	Pest management control. Animal ecology. Biological control. Bird entomology. Insect control.
Specific activities being carried out:	Promoting the most effective control of the desert locust in East African countries such as Djibouti, Ethiopia, Kenya, Somalia, Sudan, Tanzania and Uganda. Co-ordination on national action against the desert locust and control of other pests such as tsetse fly, quelea birds and armyworms.
New activities planned:	
Publications:	Annual reports, technical reports and newsletter.
Sources of Support:	Contribution from member Governments.
Fixed Experimental stations and their activities:	Control Reserve Bases (CRB) in Djibouti, (Djibouti), Dire Dawa, Asmara (Ethiopia), Nairobi (Kenya), Hargeisa and Mogadishu (Somalia), Khartoum (Sudan), Arusha (Tanzania), Kampala (Uganda).
Source of Information:	R

Code:	K907
Name:	Institute of Agricultural Research (IAR)
Address:	P.O. Box 2003, Addis Ababa, ETHIOPIA
Cable/Telex:	MERMIRU/-
Telephone:	16 03 09
Name of the Head of the Organ:	Dr. S. Debela
Title:	General Manager
No. of Professionals:	None.
Main Internal Organization:	
Subject Areas of Concern:	Soil degradation. Wind erosion. Drought.
Specific activities being carried out:	Wind erosion study at Nazaret Research Station.
New activities planned:	Recurrence internal study of drought using past rainfall data.
Publications:	None related to desertification.
Sources of Support:	Government
Fixed Experimental stations and their activities:	- Nazaret Research Station: Only one research activity (wind erosion) related to desertification.
Source of Information:	R

Code: K909

Name: International Livestock Centre for Africa (ILCA)

Address: P.O. Box 5689, Addis Ababa, ETHIOPIA

Cable/Telex: ILCAF/-

Telephone: 18 32 15 through 18 32 22 and 18 24 55

Name of the Head of the Organ: Dr. P. Brumbly

Title: Director General

No. of Professionals: 100

Main Internal Organization: Depts. of: Central Research; Directorate; Administration; Finance; and Information.

Subject Areas of Concern: Fertilizers. Fallowing. Soil fertility. Animal work and traction. Dry farming. Drought. Biogas tech.. Pastures. Pastoralism. Crop prod.. Crop response. Arid lands manag. and dev.. Cattle. Climate-vetegal relationships. Disease control. Productivity. Rangelands. Range manag.. Agronomy. Ecology. Appropriate tech.. Livestock.

Specific activities being carried out: Agronomic trials to increase total dry yields on arable land; Improvements in dry-season nutrition of work oxen; Alleviation of animal health problems to prevent mortality; Improvement of pasture manag. in the inner Niger flood plain area; Studies of trypanotolerant breeds; Increase of livestock prod.; Appropriate use of forage legumes; Selection and dev. of appropriate tech. for sub-Sahara region; Herd movement and manag.; Integrated evaluation of semi-arid lands; Human nutrition. Animal health training; Livestock dev.; Tropical rangeland manag. and land evaluation.

New activities planned: Resource inventories.

Publications: Research report, systems studies, bulletin, newsletter (quarterly), training manuals, conference reports, cartographic report, annual report, brochures and leaflets; bibliography and indexes.

Sources of Support: CGIAR (Consultative Group on Internat. Agricultural Research), IDA, IBRD, IDRC, IFAD, USAID. Govs. of Australia, Belgium, Canada, Denmark, F.R. Germany, France, India, Ireland, Italy, Netherlands, Nigeria, Norway, Sweden, Switzerland, U.K., special projects grants: Belgium, Botswana, GTE, Economic Dev. Institute, Ethiopia, Ford Foundation, Nigeria and USAID.

Fixed Experimental stations and their activities:

Source of information: R

Code:	K910
Name:	Land Use Planning and Regulatory Dept., Ministry of Agriculture and Settlement
Address:	LUPRD Ministry of Agriculture ETH.82/010 c/o FAO 5536 ETHIOPIA
Cable/Telex:	
Telephone:	15 63 67, 16 60 16
Name of the Head of the Organ:	Dr. E. Bekele
Title:	Head of LUPRD
No. of Professionals:	80
Main Internal Organization:	Land use planning project; National soil survey project; and Ethiopian highland reclamation study.
Subject Areas of Concern:	Land use. Mapping and cartography. Land reclamation. Soil classification. Soil degradation. Soil management and conservation. Soil surveys. Watershed management.
Specific activities being carried out:	Producing a master land use plan throughout the country (Scale: 1:1 000 000); Detailed land use plan for watershed management (Scale: 1: 50 000); Training nationals in various fields related to resource data assessments; Soil inventories and building National Soil Laboratory; A highland reclamation study.
New activities planned:	
Publications:	Technical reports, maps on different scales, working papers and a draft development strategy for Ethiopian highlands.
Sources of Support:	Government, UNDP, World Bank.
Fixed Experimental stations and their activities:	Addis Ababa with a regional office being established.
Source of Information:	R

Code:	K914
Name:	Soil and Water Conservation Department
Address:	P.O. Box 62347, Addis Ababa, ETHIOPIA
Cable/Telex:	
Telephone:	15 70 67
Name of the Head of the Organ:	Mr. K. Tato
Title:	Director
No. of Professionals:	4
Main Internal Organization:	
Subject Areas of Concern:	Soil conservation. Water conservation. Vegetation. Reafforestation. Water surface. Forage plants. Forage production. Training and education. Land reclamation. Water management.
Specific activities being carried out:	Rehabilitation activities including farmland; Conservation; Vegetation; Reafforestation and gully control; Surface water development and improvement of forage and fodder crops for soil conservation; Training of field technicians and protection programmes in six regions.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	K915
Name:	United Nations Economic Commission for Africa (ECA)
Address:	P.O. Box 3001, Addis Ababa, ETHIOPIA
Cable/Telex:	ECA Addis Ababa/-
Telephone:	44 72 00
Name of the Head of the Organ:	Prof. A. Adedeji
Title:	Executive Secretary
No. of Professionals:	277
Main Internal Organization:	Divisions: ECA/FAO Agriculture; Social development; Environment and human settlements; Natural resources; and Multinational programming and operational centres. ECA has five subregional offices in Africa known as MULPOC.
Subject Areas of Concern:	Rural development and planning. Social aspects. Agriculture. Land use. Natural resources. Land management. Conservation. Soil conservation. Environment. Drought.
Specific activities being carried out:	Land-use planning; Conservation and development of natural resources; Environmental protection and Combating drought.
New activities planned:	Most activities mentioned above will continue with emphasis on national preparadness strategies to combat the impacts of drought.
Publications:	Various reports on food and agricultural development in Africa.
Sources of Support:	UN regular budget, FAO, UNIDO, UNEP.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	K916
Name:	State Forest Conservation and Development Dept.
Address:	P.O. Box 1034, Addis Ababa, ETHIOPIA
Cable/Telex:	-/21460 GTZFP
Telephone:	15 54 90
Name of the Head of the Organ:	A.W. Nerie
Title:	Department Head
No. of Professionals:	
Main Internal Organization:	Within Ministry of Agriculture and Natural Resources.
Subject Areas of Concern:	Reafforestation. Wood management. Wood technology. Fuel wood. Forests. Forest management. Shelterbelts.
Specific activities being carried out:	Catchment area reafforestation; Firewood plantations; Shelterbelt and windbreak plantations.
New activities planned:	National forest inventory, peri-urban firewood plantations, better use of forest residues through charcoaling and briquettes, increase of management systems, education of peasants in the critical areas.
Publications:	Guidelines "Reafforestation and Erosion Control in Ethiopia.
Sources of Support:	Ethi-German Reforestation Project, WFP, SIDA, DANIDA, FINIDA, World Bank.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	K918
Name:	Relief and Rehabilitation Commission
Address:	P.O. Box 5686, Addis Ababa, ETHIOPIA
Cable/Telex:	
Cable: REHAB/-	
Telephone:	15 49 63
Name of the Head of the Organ:	
Title:	Commissioner
No. of Professionals:	16
Main Internal Organization:	Land Reclamation Dept and Utilization Dept.
Subject Areas of Concern:	Land reclamation. Land use. Land resources. Agroforestry. Soil conservation. Water conservation. Afforestation. Surface waters. Water management. Water conservation. Training and education. Appropriate technology. Settlements.
Specific activities being carried out:	Afforestation and soil and water conservation practices; Planting of wood lots; Agroforestry; Construction of soil bunds; Surface water management; Training of settlers.
New activities planned:	Introduction of biogas use.
Publications:	Field personnel guides and teaching materials for settlers.
Sources of Support:	Government and donor agencies.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	L000
Name:	Department of Animal Health and Production
Address:	Abuko GAMBIA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Dr. S.B.K. Quortey
Title:	Director
No. of Professionals:	20
Main Internal Organization:	
Subject Areas of Concern:	Animal diseases. Animal health. Animal breeding. Pastures. Range management. Cattle. Sheep.
Specific activities being carried out:	Livestock extension and disease control.
New activities planned:	Pasture development; Small ruminant breeding; Range management; Animal health care programme.
Publications:	None.
Sources of Support:	Government and international agencies.
Fixed Experimental stations and their activities:	- Yundan Experimental farm: Cattle, sheep and goat breeding; - Y.B.K. station: Seed multiplication centre.
Source of Information:	R

Code:	L001
Name:	Forestry Department
Address:	5, Marina Parade, Banjul, GAMBIA
Cable/Telex:	-/2204 PRESOF GV
Telephone:	307
Name of the Head of the Organ:	B.M.M. Taal
Title:	Director
No. of Professionals:	3
Main Internal Organization:	
Subject Areas of Concern:	Reafforestation. Conservation. Flora. Desertification. Fuelwood. Shelterbelts. Forestry.
Specific activities being carried out:	Village woodlots; Shelterbelts; Limiting bushfires.
New activities planned:	Preparation of a nation-wide plan for desertification control and its implementation.
Publications:	"Forestry in the Gambia", "Medicinal uses of plants in the Gambia".
Sources of Support:	Government, USAID, GTZ, BADEA/FAO.
Fixed Experimental stations and their activities:	Trial plots in different ecological zones to determine growth and mortality rates.
Source of Information:	R

Code:	L002
Name:	Department of Forestry and the Environment Unit Ministry of Water Resources and the Environment.
Address:	5, Marina Parade, Banjul, GAMBIA
Cable/Telex:	
Telephone:	537, 307
Name of the Head of the Organ:	Mr. M. Taal (Forestry) Mr. S.O. Fye (Environment)
Title:	
No. of Professionals:	4
Main Internal Organization:	
Subject Areas of Concern:	Forestry. Afforestation. Environment. Ecosystems. Training and education in environment. Land manag.. Overgrazing. Soil erosion. Land degradation. Forest fires.
Specific activities being carried out:	Afforestation programmes; Bush fire fighting; Ecosystems studies; Environmental awareness and education programmes; Enforcement of lands.
New activities planned:	Prevention of overgrazing, overcultivation, soil erosion and land degradation.
Publications:	Newsletters.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Arboretums: growth rate.
Source of Information:	R

Code:	L004
Name:	Ministry of Agriculture and Natural Resources
Address:	Banjul, GAMBIA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Mr. J.K.K. Sanmeh
Title:	Permanent Secretary
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Forestry. Water resources. Livestock. Animal health. Animal production. Crop production. Natural resources. Agriculture.
Specific activities being carried out:	
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	L200
Name:	Direction Préfectorale des Eaux et Forêts
Address:	Conakry, GUINEA
Cable/Telex:	-/-
Telephone:	24 54
Name of the Head of the Organ:	K.N. Camara
Title:	Controleur des Eaux et Forêts
No. of Professionals:	49
Main Internal Organization:	One direction office, two sections, 28 sectors.
Subject Areas of Concern:	Forestry. Land degradation. Land reclamation. Afforestation. Deforestation. Reafforestation. Forest fires.
Specific activities being carried out:	Combating forest fires and deforestation. Forest protection. Afforestation in degraded areas.
New activities planned:	Establishment of a new forest nursery and reafforestation of 46 ha.
Publications:	Monthly activities report.
Sources of Support:	Government, ONAF.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	L209
Name:	Div. de Recherche de l'Université de Kankan
Address:	Kankan, GUINEA
Cable/Telex:	
Telephone:	2092, 2672
Name of the Head of the Organ:	L. Agumbouya
Title:	Ing. Agronome
No. of Professionals:	23
Main Internal Organization:	Five sections, one is responsible for nature protection.
Subject Areas of Concern:	Climatology. Forestry. Soil classification. Nature protection. Reafforestation. Environmental impact. Water conservation. Parks and reserves.
Specific activities being carried out:	Study of the negative effect and possible changes of socio-economic activities on nature; Soil classification studies for creation of zoo-botanical parks; Identification of areas for reafforestation.
New activities planned:	Establishment of a botanical garden and a zoo in Kankan, reafforestation of water source areas.
Publications:	"Banda" a review of national scientific activities, "INFORURAL".
Sources of Support:	Government.
Fixed Experimental stations and their activities:	Centre de Recherche Agronomique de Bordo.
Source of Information:	R

Code:	L211
Name:	Service National des Sols, Ministére de l'Agriculture
Address:	Km.9, Conakry, GUINEA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Mr. M. Camara
Title:	Chef
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Mapping and cartography. Soil maps. Soil classification. Land classification. Soil erosion. Soil physics. Soil surveys.
Specific activities being carried out:	
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	L300
Name:	Direcçao das Florestas e Caça
Address:	Ministerio do Desenvolvimento e Pescas C.P. No. 71, Bissau, GUINEA BISSAU
Cable/Telex:	-/25
Telephone:	21 54 74
Name of the Head of the Organ:	Ms.A.M. de Sá Almeida
Title:	Directora dos Serviços das Florestas e Caça
No. of Professionals:	10
Main Internal Organization:	
Subject Areas of Concern:	Afforestation. Forest management. Shrubs. Nature protection. Wildlife. Animals. Conservation. Environment.
Specific activities being carried out:	Communal forest and shrub control; Fauna protection; Preparation of national nature conservation strategy and long-term forest development plan.
New activities planned:	A national seminar on the environment, preparation of forest legislation.
Publications:	
Sources of Support:	Government, SIDA, USAID, Dutch volunteer organizations.
Fixed Experimental stations and their activities:	A research station is expected to be financed by IBRD.
Source of Information:	R

Code:	L400
Name:	Department of Geography University of Nairobi
Address:	P.O. Box 30197, Nairobi, KENYA
Cable/Telex:	VARSITY NAIROBI/-
Telephone:	33 42 44 extn. 2016
Name of the Head of the Organ:	Prof. F.F. Ojany
Title:	Chairman of Department
No. of Professionals:	20
Main Internal Organization:	
Subject Areas of Concern:	Rangelands. Land management. Water resources. Irrigation. Climatology. Soil erosion. Sediments. Geography. Geomorphology. Land evaluation. Training and education in lands and soils.
Specific activities being carried out:	Studies on range management; Water resources; Soil erosion; Geomorphic processes; Carrying capacity of land.
New activities planned:	
Publications:	"Kenyan Geographer", monographs.
Sources of Support:	University of Nairobi funding.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	L401
Name:	University of Nairobi Department of Range Management
Address:	P.O. Box 29053, Nairobi, KENYA
Cable/Telex:	UNIVERSITY/-
Telephone:	59 22 11
Name of the Head of the Organ:	Prof. C.N. Karue
Title:	Chairman of Department
No. of Professionals:	4
Main Internal Organization:	
Subject Areas of Concern:	Animal populations. Livestock. Pastoralism. Plant ecology. Rangelands. Grazing. Land management. Pastures. Savannas. Camels.
Specific activities being carried out:	Range/livestock management systems; Research; Rangeland consultancy; Ranch studies and evaluation.
New activities planned:	Ecology studies, soil and water management, camel management studies, range improvement.
Publications:	None.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Embakasi Bombing range station; - Kibwezi dryland station.
Source of Information:	R

Code:	L403
Name:	University of Nairobi Department of Soil Science
Address:	P.O. Box 30197, Nairobi, KENYA
Cable/Telex:	VARSITY NAIROBI/-
Telephone:	59 22 11 Extn. 233, 59 24 01...5
Name of the Head of the Organ:	S.O. Keya
Title:	Chairman, Dept. of Soil Science
No. of Professionals:	11
Main Internal Organization:	
Subject Areas of Concern:	Soil training. Training and education. Nitrogen fixation. Soil fertility. Land evaluation. Water resources. Water management. Nutrients.
Specific activities being carried out:	Field application of microbiological technologies in biological nitrogen fixation; Nutrient uptake and balances in Kenyan soils.
New activities planned:	
Publications:	"MIRCEN" newsletter, monographs, various scientific papers, books on agriculture for primary schools.
Sources of Support:	UNEP, UNESCO, FAO, USAID, BOSTID, NAS, IDRC, Government and several donors.
Fixed Experimental stations and their activities:	Kabete Campus; Several livestock development research stations of the Ministry of Agriculture.
Source of Information:	R

Code:	L404
Name:	East African Herbarium, National Museums of Kenya
Address:	P.O. Box 45166, Nairobi, KENYA
Cable/Telex:	
Telephone:	74 21 61 extn. 209
Name of the Head of the Organ:	Ms. C.H.S. Kabuye
Title:	Botanist-in-Charge
No. of Professionals:	5
Main Internal Organization:	
Subject Areas of Concern:	Plant taxonomy. Ecology. Plant conservation. Plant uses. Plant distribution.
Specific activities being carried out:	Preparing "Flora of Tropical East Africa" in collaboration with botanists at Royal Botanic Gardens, Kew, England; Identification services and providing relevant information on plants.
New activities planned:	Inventories of specific threatened plant communities and plant collecting resulting in check-lists.
Publications:	Publication of new species in Kew Bulletin: "Flora of Tropical East Africa",(appears family by family).
Sources of Support:	Government.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	L405
Name:	Environment Liaison Centre
Address:	P.O. Box 72461, Nairobi, KENYA
Cable/Telex:	ENVICENTRE / 23240 ENVICENTE
Telephone:	247 70
Name of the Head of the Organ:	Mr. D. Bull
Title:	Executive Officer
No. of Professionals:	9
Main Internal Organization:	
Subject Areas of Concern:	Afforestation. Deforestation. Water management. Energy. Agiculture. Environment.
Specific activities being carried out:	Information dissemination.
New activities planned:	Tree planting jointly with member organisations.
Publications:	"ECOFORUM" (bi-monthly), "NEWSALERT" (bi-monthly)
Sources of Support:	Governments, foundations.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	L406
Name:	Forest Department, Ministry of Agriculture and Livestock Development
Address:	P.O. Box 30513, Nairobi, KENYA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Mr. O.M. Mburu
Title:	Chief Conservator of Forests.
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Forestry. Forest management. Wood technology. Forest products. Fuel-wood. Planting management. Soil management.
Specific activities being carried out:	Management of forest reserves; Planting forest on sustained yield basis for pulp and fire-wood; Soil Conservation and promotion of rural tree planting.
New activities planned:	
Publications:	
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	L407
Name:	International Centre of Insect Physiology and Ecology
Address:	P.O. Box 30772, Nairobi, KENYA
Cable/Telex:	ICIPE/22053
Telephone:	43049, 43081, 43235, 43719
Name of the Head of the Organ:	Prof. T.R. Odhiambo
Title:	Director
No. of Professionals:	41
Main Internal Organization:	Care programme consists of four Research Programmes; four Research Support Units and an Outreach and training unit.
Subject Areas of Concern:	Pest management and control. Pest control in animals. Livestock. Training and education. Crop response. Entomology.
Specific activities being carried out:	Research on tsetse flies, livestock ticks, sandfly as a vector of leishmoniasis, crop pests of maize, rice and cowpea; Post-doctoral training, post-graduate and institute staff development training.
New activities planned:	
Publications:	Annual report, newsletter (quarterly), "Insect Science and its Application" journal, "Current Themes in Insect Science" book series, workshop proceedings, brochures.
Sources of Support:	UN agencies, government aid agencies and private foundations. These donors have established the sponsoring group for the ICIPE (SGI) with a secretariat at the World Bank, Washington, USA.
Fixed Experimental stations and their activities:	Mbita point field station: Main research is on crop pests, other activities on livestock ticks, tsetse flies and training.
Source of Information:	R

Code:	L408
Name:	Western Agricultural Research Station
Address:	P.O. Box 169, Kakamega, KENYA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Mr. J. Makatiane
Title:	Officer-in-Charge
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Agronomy. Plant populations. Fertilizers. Weed control.
Specific activities being carried out:	
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	L409
Name:	International Council for Research in Agroforestry (ICRAF)
Address:	P.O. Box 30677, Nairobi, KENYA
Cable/Telex:	ICRAF/22048
Telephone:	298 67, 33 23 04, 33 28 59, 298 68, 298 69
Name of the Head of the Organ:	Dr. B. Lundgren
Title:	Director
No. of Professionals:	25
Main Internal Organization:	Programmes of: Agroforestry systems; Agroforestry technology; Field station-Machakos; Information services; Training; Collaborative and special projects; Agroforestry Advisory unit.
Subject Areas of Concern:	Agroforestry. Land use. Information. Training.
Specific activities being carried out:	Development of methodologies for identifying constraints in land-use systems; Systematic collection and assessment of agroforesty data; Efficient dissemination of information and training.
New activities planned:	Development of agroforestry network for application and validation of methodologies, and technology generation.
Publications:	Books, proceedings, reviews, monographs, periodicals and newsletter.
Sources of Support:	Governments, foundations, donor agencies and trusts.
Fixed Experimental stations and their activities:	At Machakos, Kenya: Agroforestry demonstrations and trials, agrometeorological data monitoring.
Source of Information:	R

Code:	L410
Name: (KREMU)	Kenya Rangeland Ecological Monitoring Unit
Address:	P.O. Box 47146, Nairobi, KENYA
Cable/Telex:	
Telephone:	54 12 60/54 12 61
Name of the Head of the Organ:	Mr. D.K. Andere
Title:	Director
No. of Professionals:	22
Main Internal Organization:	
Subject Areas of Concern:	Land use. Land survey. Vegetation. Forests. Livestock. Animal populations. Rangelands. Wildlife. Fuel wood.
Specific activities being carried out:	Surveys and monitoring of land use; Studies on the effects of human activity and animal populations on the Kenya Rangelands; Assessment of fuelwood potential and distribution; Forest cover changes.
New activities planned:	
Publications:	Monographs, technical activity reports, newsletter.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	L411
Name:	Kenya Soil Survey
Address:	National Agricultural Laboratories, P.O. Box 14733, Nairobi, KENYA
Cable/Telex:	
Telephone:	482 11-4, 495 01-2
Name of the Head of the Organ:	Mr. F.N. Muchena
Title:	Head
No. of Professionals:	34
Main Internal Organization:	
Subject Areas of Concern:	Soil survey. Land evaluation. Land classification. Agronomy. Climatology. Vegetation. Land use. Soil management. Soil erosion. Mapping and cartography.
Specific activities being carried out:	Agroclimatological analysis; Soil analysis; Land classification; Land use surveys.
New activities planned:	Research and inventory of soil resources.
Publications:	Soil reports, technical papers.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	Itself.
Source of Information:	R

Code:	L413
Name:	National Environment and Human Settlements Secretariat
Address:	P.O. Box 67839, Nairobi, KENYA
Cable/Telex:	ASILI/-
Telephone:	33 23 83
Name of the Head of the Organ:	Mr. D.R. Kamau
Title:	Director
No. of Professionals:	60
Main Internal Organization:	
Subject Areas of Concern:	Settlements. Health. Pollution. Environment. Environmental education. Energy. Appropriate technology. Desertification. Rural development and planning. Natural resources.
Specific activities being carried out:	
New activities planned:	
Publications:	Newsletter, district environmental assessment reports, environmental brochures and posters, periodic state of the environment reports, papers on various environmental issues.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	L414
Name:	Forestry Research Department
Address:	P.O. Box 74, Kikuyu, KENYA
Cable/Telex:	
Telephone:	(0154) 32173 or 32220
Name of the Head of the Organ:	Dr. J.A. Odera
Title:	Director
No. of Professionals:	30
Main Internal Organization:	
Subject Areas of Concern:	Afforestation. Environment. Forestry. Soil science. Seeds. Plant pathology. Entomology. Forest products. Agroforestry.
Specific activities being carried out:	Several projects within the subject areas mentioned above.
New activities planned:	Further species screening and management options for afforestation of arid and semi-arid areas.
Publications:	Newsletter, "East African Agricultural and Forestry Journal" and technical notes.
Sources of Support:	Government and technical aid.
Fixed Experimental stations and their activities:	Nine stations: Forest products research, dry lands, coastal low lands, highlands and agroforestry.
Source of Information:	R

Code:	L415
Name:	Dept. of Forestry, University of Nairobi
Address:	P.O. Box 30187, Nairobi, KENYA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Dr. F. Owino
Title:	Chairman
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Forestry. Forestry management. Afforestation.
Specific activities being carried out:	Dryland afforestation project.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	L416
Name:	UNESCO Kenya Arid Lands Research Station (KALRES)
Address:	P.O. Box 147, Marsabit KENYA
Cable/Telex:	KALRI MARSABIT
Telephone:	40 or 120 (Marsabit)
Name of the Head of the Organ:	Mr. W.J. Lusigi
Title:	Chief Technical Adviser
No. of Professionals:	Six
Main Internal Organization:	
Subject Areas of Concern:	Ecology. Land degradation. Arid lands. Rural development. Training and education. Rangelands. Agriculture.
Specific activities being carried out:	Research, monitoring, training, demonstration, pre-extension and guiding of integrated development projects in arid lands.
New activities planned:	Desertification Control project with UNEP.
Publications:	Technical reports.
Sources of Support:	Funds in trust to UNESCO by F.R.Germany.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	L417
Name:	African NGOs Environment Network (ANEN)
Address:	c/o P.O. Box 53844, Nairobi KENYA
Cable/Telex:	
Telephone:	749747
Name of the Head of the Organ:	Mr. Jimoh Omo-Fadaka
Title:	Co-ordinator
No. of Professionals:	4
Main Internal Organization:	
Subject Areas of Concern:	Afforestation. Deforestation. Renewable energy. Natural resources. Population. Rural development. Desertification. Soil conservation. Training and education. Technology transfer.
Specific activities being carried out:	To strengthen communication and co-operation between NGOs and governments in Africa.
New activities planned:	To follow-up the plan of action and resolutions of 1977 UN Conference on Desertification.
Publications:	"ECO-AFRICA" (bi-monthly), booklets.
Sources of Support:	UNEP, Governments, Foundations, etc.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	L418
Name:	Catholic Diocese of Meru
Address:	P.O. Box 16, Meru, KENYA
Cable/Telex:	
Telephone:	202 61
Name of the Head of the Organ:	Bishop S. Njiru c/o Rev. A. Mbiko
Title:	Diocesan Administrator
No. of Professionals:	10
Main Internal Organization:	
Subject Areas of Concern:	Afforestation. Agriculture. Tree planting.
Specific activities being carried out:	Afforestation and agriculture in semi-arid and marginal lands of Meru, Isiolo and Embu districts; Tree planting in Ruiri and Kamujini.
New activities planned:	
Publications:	Diocesan newsletter.
Sources of Support:	Cebeno, Catholic Organization of Canada - Missereo.
Fixed Experimental stations and their activities:	Ruiri experimental plot.
Source of Information:	R

Code:	L425
Name:	Wildlife Clubs of Kenya
Address:	P.O. Box 40658, Nairobi, KENYA
Cable/Telex:	
Telephone:	74 25 64
Name of the Head of the Organ:	N. Chumo
Title:	National Organiser
No. of Professionals:	3
Main Internal Organization:	
Subject Areas of Concern:	Conservation. Wildlife. Environment. Environmental education.
Specific activities being carried out:	
New activities planned:	"Komba Magazine" (newsletter).
Publications:	
Sources of Support:	Government, NGOs and international agencies.
Fixed Experimental stations and their activities:	- Nairobi: HQ; - Kisumu: Field operation; - Nakuru: Youth hostel; - Langata: Youth hostel.
Source of Information:	R

Code:	L426
Name:	Green Belt Movement (The)
Address:	P.O. Box 67545, Nairobi, KENYA
Cable/Telex:	
Telephone:	246 34
Name of the Head of the Organ:	Prof. Wangari Maathai
Title:	Co-ordinator
No. of Professionals:	One.
Main Internal Organization:	
Subject Areas of Concern:	Trees. Grazing. Greenbelts.
Specific activities being carried out:	Tree planting.
New activities planned:	Zero grazing.
Publications:	"The Greenbelt"
Sources of Support:	NGO's, foundations.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	L427
Name:	Inter-African Bureau for Animal Resources of the OAU
Address:	P.O. Box 30786, Nairobi, KENYA
Cable/Telex:	IBAR/NAIROBI/-
Telephone:	33 85 44
Name of the Head of the Organ:	Dr. W.N. Masiga
Title:	Director/Head of OAU Mission in Kenya
No. of Professionals:	7
Main Internal Organization:	
Subject Areas of Concern:	Rangelands. Animals. Pastoralism. Land management. Land resources. Savannas. Animal health. Animal production.
Specific activities being carried out:	
New activities planned:	
Publications:	Bulletin on animal health and production in Africa, monthly information leaflets.
Sources of Support:	Contribution from OAU member states.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	L428
Name:	Department of Geography, Kenyatta University College
Address:	P.O. Box 43844, Nairobi, KENYA
Cable/Telex:	
Telephone:	817356 Extn. 321 or 315
Name of the Head of the Organ:	Prof. C. Nyamweru
Title:	Chairman of Geography
No. of Professionals:	14
Main Internal Organization:	
Subject Areas of Concern:	Training and education in environmental lands. Geography. Hydrology. Geomorphology. Climatology. Desertification.
Specific activities being carried out:	Teaching areas: geomorphology, hydrology, rural geography, bio-geography, agricultural geography, climatology; Research includes arid areas of Kenya and desertification in East Africa; Also a M.Ed. Environmental Degree, established since 1984.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	L429
Name:	Range Management Unit, Ministry of Agriculture and Livestock Development
Address:	P.O. Box 30028, Nairobi, KENYA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Mr. L.J. Ayuko
Title:	Director
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Grazing. Livestock. Rangeland. Pastures. Grasslands. Land management. Pastoralism.
Specific activities being carried out:	Implementation of a project on grazing block dev.in the northeastern province and Isiolo, Kenya; Carrying out government policies concerning range development and management.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	L430
Name:	Moi University, Dept. of Forestry
Address:	P.O. Box 3900, Eldoret, KENYA
Cable/Telex:	-/35047
Telephone:	316 60, 318 81
Name of the Head of the Organ:	Prof. D. Odhiambo
Title:	Vice Chancellor
No. of Professionals:	20
Main Internal Organization:	
Subject Areas of Concern:	Afforestation. Forest management. Planting management. Forest products. Training and education in lands and forests. Agroforestry. Drought tolerance. Wood tech..
Specific activities being carried out:	Arid lands afforestation; Development of drought resistant species and provenances; Site preparation techniques; Woodlot and plantation management in arid and semi-arid zones.
New activities planned:	Research agroforestry packages.
Publications:	Research reports and publications in local and international journals.
Sources of Support:	Government and several donor agencies.
Fixed Experimental stations and their activities:	- At Gede; Machakos; Marigat; Katilu; Eldoret; and Ramogi: Comparative growth trials.
Source of Information:	R

Code:	L431
Name:	Desertification Control Programme Activity Centre, United Nations Environment Programme (UNEP)
Address:	P.O. Box 30552, Nairobi KENYA
Cable/Telex:	UNITERRA/22068
Telephone:	33 39 30, 52 06 00
Name of the Head of the Organ:	Mr. R. N'Daw
Title:	Director
No. of Professionals:	Seven
Main Internal Organization:	Unit within UNEP.
Subject Areas of Concern:	Training and education in soils, environment and forestry. Desertification control. Desert soils. Desert ecology. Arid land management and development. Afforestation. Erosion control. Forestry. Land management. Land use. Mapping and cartography. Soil erosion. Soil management. Sand dunes.
Specific activities being carried out:	Supporting training programmes; Creating a desertification information system and database; Assisting countries to develop national plans and good land use policy; Creating regional networks of NGO's, research and training centres; Sand dune fixation projects; Afforestation activities; Funding various projects.
New activities planned:	Making films and audio-visual materials on desertification, formulating and implementing pilot demonstration of good land use projects, supporting IPAL projects in India and Turkmen in USSR, Establishing national desertification assessment, mapping and database activities, various training programmes and desertification control projects.
Publications:	"Desertification Control Bulletin" (bi-annual), compendia of institutions, organizations, NGOs, etc. concerned with desertification, teaching and management manuals.
Sources of Support:	United Nations Regular Budget and voluntary contributions from member states to the Environment Fund.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	L500
Name:	Agricultural Research Division
Address:	P.O. Box 829, Maseru, LESOTHO
Cable/Telex:	4221
Telephone:	32 23 72
Name of the Head of the Organ:	Mr. W.P. Ntsekhe
Title:	Director
No. of Professionals:	30
Main Internal Organization:	
Subject Areas of Concern:	Drought tolerance. Rainfed agriculture. Range management. Livestock. Agriculture. Agronomy.
Specific activities being carried out:	Crop experiments. Range management experiments.
New activities planned:	Construction of small dams for horticultural and livestock use.
Publications:	Newsletter, bulletins, hand-books, reports.
Sources of Support:	Government, USAID (sponsored project), SADCC.
Fixed Experimental stations and their activities:	One main re rch station and ten sub-stations.
Source of Information:	R

Code:	L501
Name:	Conservation and Forestry Div.,
Address:	P.O. Box 92, Maseru 100, LESOTHO
Cable/Telex:	
Telephone:	32 28 76, or 32 36 00
Name of the Head of the Organ:	M.J. Masilo
Title:	Director of Conservation and Forestry.
No. of Professionals:	28
Main Internal Organization:	
Subject Areas of Concern:	Soil surveys. Conservation. Training and education in environment and soils. Soil classification. Forestry. Land use. Soil management. Forest management. Nature protection.
Specific activities being carried out:	Soil surveys; Conservation planning; Education and training for public and schools; Biological and structural soil conservation measures; Land use and forestry planning.
New activities planned:	Same as above but in new areas of the country.
Publications:	Monographs, technical reports and newsletter.
Sources of Support:	Government, USAID, SIDA.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	L502
Name:	National University of Lesotho, Dept. of Geography
Address:	P.O. Box 180, Roma, LESOTHO
Cable/Telex:	UNITER, ROMA, LESOTHO/-
Telephone:	201
Name of the Head of the Organ:	O.K. Chakela
Title:	Head of Dept.
No. of Professionals:	13
Main Internal Organization:	
Subject Areas of Concern:	Climatology. Hydrology. Forestry. Soil science. Ecology. Conservation. Rangelands. Environment. Erosion control. Land use. Irrigation. Training and education.
Specific activities being carried out:	Research activities include Soil erosion; Irrigation schemes; River basin development and Land use planning.
New activities planned:	
Publications:	Monographs and technical reports.
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	L503
Name:	Range Management Division Ministry of Agriculture
Address:	P.O. Box 92, Maseru 100, LESOTHO
Cable/Telex:	
Telephone:	32 51 87
Name of the Head of the Organ:	B. Motsamai
Title:	Chief Range Management Officer
No. of Professionals:	7
Main Internal Organization:	
Subject Areas of Concern:	Rangelands. Grazing systems. Land management. Mapping and cartography. Range grasses. Vegetation. Shrubs.
Specific activities being carried out:	Determination of range species composition; Carrying capacities; Degree use; Establishment of proper stocking rates.
New activities planned:	Introduction of grazing fees, grazing permit control, shrub control, seeding of denuded areas.
Publications:	Vegetation map, technical bulletins.
Sources of Support:	Government and USAID.
Fixed Experimental stations and their activities:	Agricultural Research station at Maseru: Integrated farming systems research to solve farmers' problems.
Source of Information:	R

Code:	L504
Name:	Department of Lands, Surveys and Physical Planning
Address:	P.O. Box 876, Maseru, LESOTHO
Cable/Telex:	
Telephone:	(0501) 32 23 76
Name of the Head of the Organ:	A. Mosaase
Title:	Commissioner of Lands
No. of Professionals:	10
Main Internal Organization:	Divisions of: Land Administration; Land Survey; Town and Country Planning.
Subject Areas of Concern:	
Specific activities being carried out:	Advice on land policy and land management; Mapping requirements for development projects; Cadastral surveying for title purposes; Town planning and regional planning; Preparation of development proposals.
New activities planned:	Government.
Publications:	None.
Sources of Support:	
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	L505
Name:	Lesotho Agricultural College
Address:	P.B. A4, Maseru 100, LESOTHO
Cable/Telex:	-/-
Telephone:	31 52 20
Name of the Head of the Organ:	T.M. Motsoene
Title:	Principal
No. of Professionals:	34
Main Internal Organization:	
Subject Areas of Concern:	Agriculture. Training and education.
Specific activities being carried out:	Training of future extension personnel for the Ministry of Agriculture.
New activities planned:	Specialized training in agro-industry.
Publications:	Monographs, newsletters.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	L507
Name:	Department of Water Affairs
Address:	P.O. Box 772, Maseru, LESOTHO
Cable/Telex:	
Telephone:	32 39 47
Name of the Head of the Organ:	S. Makhoalibe
Title:	Head Water Affairs
No. of Professionals:	12
Main Internal Organization:	Divisions of Hydrology and Meteorology.
Subject Areas of Concern:	Hydrology. Runoff. Sediments. Soil-water movement. Streams. Climatology. Water resources. Land use. Meteorology.
Specific activities being carried out:	Rainfall data collection; Stream flow; Sediment measurement.
New activities planned:	Land use systems delineation, remote sensing, reservoir sedimentation studies.
Publications:	Climatological bulletin, hydrological yearbook, water resources monographs, sediment transport publications.
Sources of Support:	Government, UNDP, WMO.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	L600
Name:	Agricultural Research Centre
Address:	P.O. Box 358, Tripoli, LIBYA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	
Title:	Director
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Irrigation. Natural Resources. Soil aspects.Forestry. Irrigation. Animal production. Saline soils.
Specific activities being carried out:	Research programme on soil salinity and irrigation; Research on field crops and plant protection.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	L601
Name:	Alfatch University
Address:	P.O. Box 2547, Tripoli, LIBYA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Dr. A. Guima
Title:	Dean
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Agronomy. Salinisation. Drought. Dry farming.
Specific activities being carried out:	Research on drought resistant and salt tolerant plants; Studies on dryland farming.
New activities planned:	
Publications:	Research reports and notes.
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	L602
Name:	Secretariat of Agrarian and Land Reform
Address:	Tripoli, LIBYA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	
Title:	Director.
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Land reclamation. Sand dunes. Afforestation.
Specific activities being carried out:	Sand dune fixation in the Jamahiriya project; Sand dune fixation in the coastal region.
New activities planned:	
Publications:	Project reports.
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	L700
Name:	Association pour la Sauvegarde de l'Environnement
Address:	B.P. 412, Antisiranana, MADAGASCAR
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Mme M. Narove
Title:	Présidente
No. of Professionals:	Four
Main Internal Organization:	NGO
Subject Areas of Concern:	Parks and reserves. Environment. Vegetation. Wildlife. Nature protection. Mountains.
Specific activities being carried out:	Fauna and flora studies; Social and cultural aspects; Carrying out a WWF project on national park protection of the Montagne d'Ambre; Awareness programme on nature degradation.
New activities planned:	Preparation of an international conference on protection of nature in Tananarive.
Publications:	"LIVRET".
Sources of Support:	Auto-financing.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	L702
Name:	Centre de Formation Professionnelle Forestière de Morondava (FOFAMPIALA)
Address:	B.P. 117, Morondava 619, MADAGASCAR
Cable/Telex:	CFPF Morondava/-
Telephone:	520 96
Name of the Head of the Organ:	R.M. Pasteur
Title:	Ingénieur des Eaux et Forêts, Directeur.
No. of Professionals:	9
Main Internal Organization:	
Subject Areas of Concern:	Forestry. Forests. Forest products. Training and education. Forest management. Agroforestry.
Specific activities being carried out:	Agroforestry, planting and natural regeneration of forests; Intensive forestry research; Training of professionals in saw mill activities and rational forest exploitation.
New activities planned:	
Publications:	Bulletin, monographs, technical notes.
Sources of Support:	Own resources, Government, Swiss Co-operation.
Fixed Experimental stations and their activities:	A forest concession near Morondava.
Source of Information:	R

Code:	L703
Name:	Département des Forêts Université de Madagascar
Address:	EESSA, Université de Madagascar B.P.175, Antananarivo 101, MADAGASCAR
Cable/Telex:	
Telephone:	241 14
Name of the Head of the Organ:	J. Andriamampianina
Title:	Ingènieur en Chef des Eaux et Forêts.
No. of Professionals:	4
Main Internal Organization:	
Subject Areas of Concern:	Training and education in land, forests and water. Forestry. Forest management.
Specific activities being carried out:	Teaching forestry and training forest and water engineers.
New activities planned:	
Publications:	
Sources of Support:	Government.
Fixed Experimental stations and their activities:	Water and forests administration stations.
Source of Information:	R

Code:	L704
Name:	Establissement d'Enseignment Superieur des Sciences Agronomiques (EESSA)
Address:	B.P. 175-101, Antananarivo, MADAGASCAR
Cable/Telex:	
Telephone:	260 extn. 407
Name of the Head of the Organ:	G. Ravelojoana
Title:	President de l'EESSA
No. of Professionals:	28
Main Internal Organization:	
Subject Areas of Concern:	Agriculture. Training and education. Animal husbandry. Forestry. Food conservation. Social aspects. Animal genetics. Agroforestry. Soil management and conserv.. Wood management. Plant breeding. Forest fires.
Specific activities being carried out:	Courses leading to B.Sc. and post-graduate degrees in agronomy; Research and training on improvement of pastures, genetic breeding, food industries, improvement of wood species, effects of bush fires, soil protection, soil amendment and farm management.
New activities planned:	
Publications:	"Terre Malgache" (annual), "Bulletin de l'Elevage".
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	L705
Name:	Laboratoire de Géographie
Address:	Université, B.P. 907, Tananarive, MADAGASCAR
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Prof. G. Donque
Title:	Directeur
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Geography. Erosion. Urban areas.
Specific activities being carried out:	Urban studies; Litoral studies; Research on erosion; Geography.
New activities planned:	
Publications:	"Madagascar Revue de Géographie" (bi-annual).
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	L709
Name:	Ministère de la Production Agricole et de la Réforme Agraire
Address:	B.P. 842, Antananarivo, MADAGASCAR
Cable/Telex:	
Telephone:	247 10
Name of the Head of the Organ:	M.R. Raphael
Title:	Secrétaire Général
No. of Professionals:	5
Main Internal Organization:	
Subject Areas of Concern:	Reafforestation. Hydrology. Soil management. Water conservation. Land conservation. Irrigation. Agriculture. Forestry. Pastures. Grasslands.
Specific activities being carried out:	Hydrological studies; Reafforestation; Water conservation techniques; Establishment, improvement and protection of pastures;; Construction of weirs and wind breaks.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	L710
Name:	Fonds Mondial pour la Nature Malagasy
Address:	BP 4373, Antananarivo, MADAGASCAR
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	B. Vaohita
Title:	The W.W.F. Representative.
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Nature Protection. Conservation
Specific activities being carried out:	Promotion and co-ordination of nature and natural science activities in Madagascar; Liaison, on behalf of the Government, with WWF and IUCN including planning, formulation and monitoring of conservation activities funded by these and other co-operating institutions.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	L801
Name:	Direction Nationale des Eaux et Forêts
Address:	B.P. 275, Bamako, MALI
Cable/Telex:	
Telephone:	22 58 50, 22 59 73.
Name of the Head of the Organ:	N.N. Sanogho
Title:	Ingènieur des Eaux et Forêts
No. of Professionals:	549
Main Internal Organization:	Seven technical divisions at national level: Environment; Projects and programmes; Tree planting and development; Water and soil conservation; Fisheries; Hunting; and Personnel and equipment; Eight departmental offices at regional level.
Subject Areas of Concern:	Reafforestation. Fisheries. Natural resources. Nature protection. Fauna. Forest management. Forestry. Wildlife. Hydrology. Irrigation. Biology.
Specific activities being carried out:	Research and training in reafforestation; Fisheries development; Fauna management.
New activities planned:	Awareness, education and extension of current activities.
Publications:	"Journal Sahel Vert".
Sources of Support:	Government funds for administration, external funds for development of projects.
Fixed Experimental stations and their activities:	- I.E.R.: Research and development of agricultural fruit products; - Niono: Research on irrigated plantations; - Mopti: Laboratory of hydrobiology.
Source of Information:	R

Code:	L802
Name:	ILCA/CIPEA
Address:	B.P. 60, Bamako, MALI
Cable/Telex:	ILCA-MALI /-
Telephone:	22 21 77
Name of the Head of the Organ:	A.C. Diallo
Title:	Directeur du Programme Mali
No. of Professionals:	12
Main Internal Organization:	
Subject Areas of Concern:	Forage grasses. Forage production. Agronomy. Pastures. Pastoralism. Animal diseases. Animal health. Rangelands. Remote sensing. Land management. Cattle. Animal production. Grazing. Grasslands. Animal breeding.
Specific activities being carried out:	Forage agronomy in the Sahelian zone; Pastoral epidemiology; Agropastoral systems; Improvement of natural rangeland management; Remote sensing and cattle breeding.
New activities planned:	
Publications:	International programme publications, programme document series "AZ: Arid Zone".
Sources of Support:	CGIAR, World Bank, IFAD and donor countries. ICLA/CIPEA is an international organization.
Fixed Experimental stations and their activities:	- Niono; - Banamba; - Hambori, Gassi and Nojti: remote sensing, monitoring of pasture lands.
Source of Information:	R

Code:	L804
Name:	Institut National de la Recherche Zootechnique Forestière et Hydrobiologique
Address:	B.P. 1704, Bamako, Sotuba, MALI
Cable/Telex:	
Telephone:	22 64 28
Name of the Head of the Organ:	Dr. B. Diakité
Title:	Vétérinaire Inspecteur
No. of Professionals:	88
Main Internal Organization:	
Subject Areas of Concern:	Forestry. Fisheries. Pastures. Plant genetics. Irrigated agriculture. Animal production. Animal health. Forage plants. Forage production. Savannas. Livestock. Vegetation. Plant distribution. Natural resources.
Specific activities being carried out:	Forest research on areas of irrigated plantations; Studies on Sahelian pastures and genetic improvement.
New activities planned:	Agrostology, lethyological research, studies on acacia, gommier and nutritive value of pastures.
Publications:	Technical reports of commissions and research committees.
Sources of Support:	Government and external financing.
Fixed Experimental stations and their activities:	- Centre de Recherche Zootechnique; - Station d'Elevage et de Recherche Zootechnique du Sahel; - Station d'Elevage et de Recherche Zootechnique du Toronke; - Station d'Essais Fourrager de Mopti-nord; - Centre de Technologie des Bois de Savanne; - Station de Recherche sur la Biologie des Essences Autochtones; - Station de Recherche sur les Plantations Forestières Lorguées; - Laboratoire d'Hydrobiologie de Mopti; - Project Inventaire des Ressources Terrestres.
Source of Information:	R

Code:	L805
Name:	Institut Polytechnique Rural de Katibongou
Address:	BP 6, Koulikoro, MALI
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	K. Sanogo
Title:	Directeur
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Agronomy. Training and education in agriculture, land forestry and soils. Pastoralism. Forestry. Animal breeding. Livestock.
Specific activities being carried out:	
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	L806
Name:	Institut du Sahel
Address:	B.P. 1530, Bamako, MALI
Cable/Telex:	-/ 432 INSAN BAMAKO MALI
Telephone:	22 21 48, 22 21 78
Name of the Head of the Organ:	R.A. Thomas
Title:	Directeur
No. of Professionals:	21
Main Internal Organization:	Inter-state institution with three departments.
Subject Areas of Concern:	Crop production. Crops. Ecology. Environment. Irrigation systems. Agronomy. Dry farming. Agriculture. Livestock. Ecology. Horticulture. Vegetation. Agricultural mechanization. Pastoralism. Rural development and planning. Forestry. Demography. Human health. Social aspects. Training and education.
Specific activities being carried out:	Implementation of several regional projects to improve information exchange and standardisation of working methods; Establishment of an information network in different fields.
New activities planned:	Planning research, training and information, preparation of legislation for the sub-regions.
Publications:	"INSAH-INFO", working reports, bibliographies and several other documents.
Sources of Support:	Member governments, co-operation agencies.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	L807
Name:	Laboratoire de l'Energie Solaire
Address:	B.P. 134, Darsalam, Bamako MALI
Cable/Telex:	PB 134 BAMAKO/-P
Telephone:	22 30 41
Name of the Head of the Organ:	C. Traoré
Title:	Directeur
No. of Professionals:	19
Main Internal Organization:	
Subject Areas of Concern:	Solar energy. Wind power. Biogas technology.
Specific activities being carried out:	Design, development and laboratory and on site tests on the use of photovoltaic cells, water heating, eolian (pumps) and biomass equipment.
New activities planned:	Popularization of solar-energy technology use.
Publications:	
Sources of Support:	Government, USAID, CRDI.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	L808
Name:	Service Météorologique
Address:	B.P. 237, Bamako, MALI
Cable/Telex:	
Telephone:	22 29 25, 22 25 96
Name of the Head of the Organ:	Mr. K. Konaré
Title:	Ingènieur de la Météorologie
No. of Professionals:	50
Main Internal Organization:	
Subject Areas of Concern:	Climatology. Agricultural climatology. Desertification Control. Wind erosion.
Specific activities being carried out:	Studies on drought and agro-climatology.
New activities planned:	Studies on eolian and hydrological phenomena in relation to the desertification process in Mali.
Publications:	Agrometeorological bulletin and monthly climatological bulletin.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	L811
Name:	Protection des Vegetaux
Address:	B.P. 1560, Bamako, MALI
Cable/Telex:	
Telephone:	22 24 04
Name of the Head of the Organ:	Mr. M. Sissoko
Title:	Ingènieur d'Agriculture
No. of Professionals:	35
Main Internal Organization:	
Subject Areas of Concern:	Post-harvest conservation. Horticulture. Food conservation.
Specific activities being carried out:	Reduction of post harvest losses.
New activities planned:	
Publications:	
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	L812
Name:	Groupe de Recherche et d'Applications Techniques
Address:	B.P. 2502, Bamako, MALI
Cable/Telex:	GRAT BP 2502 BKO/-
Telephone:	22 27 36
Name of the Head of the Organ:	S. Diallo
Title:	Directeur
No. of Professionals:	5
Main Internal Organization:	
Subject Areas of Concern:	Energy. Alternate energy. Biogas technology. Fuelwood. Wood management. Wood technology. Planting management. Shrubs.
Specific activities being carried out:	Preparation of report on the energy situation in Mali; Implementation of biogas digestors for vaccine refrigeration; Project on crop production for energy purposes.
New activities planned:	Planting of fuelwood species.
Publications:	Case studies, energy planning reports.
Sources of Support:	International NGOs, foundations and revenue from local action.
Fixed Experimental stations and their activities:	MOPTI-OOEM: Bioconservation in agro-pastoral environments.
Source of Information:	R

Code:	L900
Name:	Direction Protection de la Nature
Address:	B.P. 170, Nouakchott, MAURITANIA
Cable/Telex:	
Telephone:	520 20 extn: 377
Name of the Head of the Organ:	D.O. Nerzoug
Title:	Ingènieur des Eaux et Forêts
No. of Professionals:	185
Main Internal Organization:	Part of the Ministry of Rural Development.
Subject Areas of Concern:	Conservation. Nature protection. Desertification control. Land conservation. Wildlife. Sand control. Soil management. Reafforestation. Sand dunes. Greenbelts. Oases. Land degradation.
Specific activities being carried out:	Nonakchott green belt; Sand dune fixation project; Projection activities such as forest police.
New Actibities Planned:	Oases protection, establishment of green areas, sand encroachment control, land degradation awareness activities in rural communities.
Publications:	Annual activity report.
Sources of Support:	Government, foundations, and fund management.
Fixed Experimental stations and their activities:	- Nouakchott Research Station: Nursery and plantation techniques. - Research Station of Botilicuett: Sand dune fixation.
Source of Information:	R

Code:	L901
Name:	Centre National d'Elevage et de Recherches Vétérinaires (CNERV)
Address:	B.P. 167, Nouakchott, MAURITANIA
Cable/Telex:	CNERV BP 167/-
Telephone:	528 03, 527 65
Name of the Head of the Organ:	Dr. D.B. Cisse
Title:	Directeur
No. of Professionals:	15
Main Internal Organization:	
Subject Areas of Concern:	Diseases. Drought. Pastoralism. Grazing. Animal nutrition. Livestock.
Specific activities being carried out:	Studies on new diseases caused by drought; Research on animal nutrition and agropastoralism.
New activities planned:	Animal nutrition improvement, camel diseases.
Publications:	Annual report of activities, reports on certain diseases.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Antenne de Kaedi.
Source of Information:	

Code:	L902
Name:	Centre National de Recherche Agronomique et de Développement Agricole de Kaedi
Address:	P.B. 22, Kaedi MAURITANIA
Cable/Telex:	CNRADA-KAEDI PB22/-
Telephone:	210
Name of the Head of the Organ:	M. Diarra
Title:	Directeur
No. of Professionals:	15
Main Internal Organization:	Four technical departments.
Subject Areas of Concern:	Plant adaptation. Climate-vegetal relationship. Plant breeding. Plant ecology. Plant growth. Plant studies. Crop response. Cultivation systems. Drought tolerance. Seeds.
Specific activities being carried out:	Research on drought resistant plants; Development of production systems and methods; Plant behaviour studies and studies of fruit trees under different parameters such as fertilization, soils and culture methods.
New activities planned:	Introduction of new species, experiments with horticultural plants sub production.
Publications:	Annual activities report and reports on certain diseases.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Fruit station of RINDAO: Research on fruit species; - Belinabe station: Research on rice, market gardening and food crops.
Source of Information:	R

Code:	L905
Name:	Direction de la Protection de la Nature, Ministère du Développement Rural
Address:	B.P. 170, Nouakchot, MAURITANIA
Cable/Telex:	
Telephone:	377
Name of the Head of the Organ:	D.O. Merzong
Title:	Directeur
No. of Professionals:	132
Main Internal Organization:	Directorate and Regional Service Offices.
Subject Areas of Concern:	Soil conservation. Vegetation. Soil management. Water conservation. Water management. Wildlife. Hunting. Fauna. Trees. Sand dunes. Forests. Forest management. Forest products.
Specific activities being carried out:	Implementation of techniques for desertification control; Conservation, protection and improvement of vegetation cover; Water and forest conservation; Protection of fauna and hunting control; Tree planting; Stabilization and fixation of sand dunes; Exploitation of forests and management.
New activities planned:	
Publications:	Reports on monthly, quarterly and annual basis.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	L909
Name:	Société Nationale pour le Développement Rural
Address:	BP 321, Nouakchott, MAURITANIA
Cable/Telex:	-/807 MTN
Telephone:	521 61, 518 00
Name of the Head of the Organ:	M.B.O. Ahmad
Title:	Directeur
No. of Professionals:	35
Main Internal Organization:	
Subject Areas of Concern:	Irrigation. Hydrology. Agriculture. Rural development and planning.
Specific activities being carried out:	Studies; Construction and development of irrigation areas, mainly within the Senegal River Basin.
New activities planned:	Preparation and development of 2,000 ha.
Publications:	Project studies.
Sources of Support:	Government, World Bank, Governments of Netherlands, Italy and Canada, European Funds for Development, Saudi Development Funds, Abu Dhabi, IFAD, KFW, GTZ.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	M000
Name:	Ecole Nationale Forestière d'Ingènieurs
Address:	B.P. 511, Sale, MOROCCO
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Colonel Tijani
Title:	Directeur
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Forestry. Mapping and cartography. Agronomy. Pastoralism. Hydrology. Economics. Rural development and planning. Reafforestation.
Specific activities being carried out:	Ecological study of Cedrus atlantica manetti in Morocco; Study on degradation of forests in Morocco; Study on problems caused by reafforestation.
New activities planned:	
Publications:	Research reports (irregularly).
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(R)

Code:	M001
Name:	Station Centrale d'Agronomie Saharienne
Address:	B.P. 533, Marrakech, MOROCCO
Cable/Telex:	-/74091 M
Telephone:	(04) 311 16, 340 73
Name of the Head of the Organ:	Dr. J. Ahmed
Title:	Directeur
No. of Professionals:	10
Main Internal Organization:	
Subject Areas of Concern:	Agroforestry. Livestock. Pastoralism. Animal production. Cultivation systems. Desert plants. Drought tolerance. Land reclamation. Plant adaptation. Agronomy. Arid lands management and development. Plant pathology. Oases.
Specific activities being carried out:	Studies of diseases in date palms; Studies on agricultural rotation; Studies on animal production; Development of an oasis production system.
New activities planned:	Intensification of the work on drought resistant species and introduction of new desert plant species.
Publications:	"Al Awamiq INRA Maroc" - Agronomic research activities INRA-Morocco.
Sources of Support:	Government and international organizations.
Fixed Experimental stations and their activities:	- Station Experimentale de Zagora: Studies on date palm; - Station Experimentale d'Errachidia: Livestock and agro-forestry; - Station Experimentale d'Achouria: Livestock and agro-forestry; - Station Experimentale de Talsint: Pastoralism.
Source of Information:	R

Code:	M002
Name:	Institut Agronomique et Veterinaire Hassan II
Address:	Rabat-Institut B.P. 6202 Rabat MOROCCO
Cable/Telex:	AGROVET 31873M/-
Telephone:	717 58
Name of the Head of the Organ:	Dr. M. Sedrati
Title:	Directeur
No. of Professionals:	350
Main Internal Organization:	
Subject Areas of Concern:	Agronomy. Ecosystems. Horticulture. Animal production. Social aspects. Economics. Rural development and planning. Training and education.
Specific activities being carried out:	Research on the Sahelian semi-arid and mountain ecosystems; Research on agronomy, horticulture, food production, animal production; Socio-economic studies; Integrated regional development studies; Training technicians in various areas of agricultural sciences.
New activities planned:	
Publications:	"Revue Scientifique Internationale", "Les Actes de l'Institut", theses (about 150 per year), research reports (about 350 per year).
Sources of Support:	Government and International Organisations.
Fixed Experimental stations and their activities:	- At Agadir; Gharb and Tadla.
Source of Information:	R

Code:	M003
Name:	Institut Scientifique
Address:	Charia Ibn Batota P.B. 703, Rabat, MOROCCO
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Mr. H.H. Msougar
Title:	Directeur
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Geology. Geomorphology. Mapping. Remote sensing. Entomology. Animal ecology. Fauna. Flora. Vegetation. Sand dunes.
Specific activities being carried out:	Study of forest insects attacking the following species: Tetraclines articulata, Quercus ilex, Quercus suber and Cedrus atlantica; Study of Lepidopteres; Study of the vegetation of Merja Sidi Bou Ghaba; Study of Mehdia dunes vegetation and contribution to Morocco flora.
New activities planned:	
Publications:	"Bulletin de l'Institut Scientifique" (annually), "Travaux de l'Institut Scientifique" (irregular), "Document de l'Institut Scientifique (irregular).
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	M004
Name:	Direction des Eaux et Forêts et de la Conservation des Sols Ministère de l'Agriculture
Address:	Chella, Rabat MOROCCO
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Mr. M. Baraca
Title:	Directeur
No. of Professionals:	250
Main Internal Organization:	
Subject Areas of Concern:	Soil Conservation. Afforestation. Land reclamation. Nature protection. Forest management. Hunting. Erosion. Sand dunes. Parks and reserves. Reafforestation.
Specific activities being carried out:	Creation of national parks in Toubkal and Tazek regions; Analysis of erosion problems in Morocco; Conducting forest surveys; Fixation of sand dunes in Essaouira region and reafforestation programme.
New activities planned:	
Publications:	Technical notes (irregular).
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	M005
Name:	Station de Recherche et d'Expérimentation Forestière
Address:	P.O. Box 763, Rabat, Agdal MOROCCO
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Eng. M. Tamri
Title:	Director
No. of Professionals:	12
Main Internal Organization:	
Subject Areas of Concern:	Forestry. Soil Science. Wood technology. Afforestation. Reafforestation. Pastoralism. Entomology. Soil fertility. Plant adaptation.
Specific activities being carried out:	Establishment of reafforestation standards for Morocco; Determination of soil-vegetation relationships and selection of species adaptable to each environment in Morocco; Impact analysis of the organic matter caused by Eucalyptus camaldulensis on the fertility of the soil in Mamora and Gharb regions; Studies on the physiological characteristics of the species introduced in arid and semi-arid areas; Determination of the treatments needed for the different forest varieties introduced in Morocco; Analysis of reafforestation improvement; Research on forest defoliators.
New activities planned:	
Publications:	"Annales de la Recherche Forestière en Maroc" (annually).
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	M006
Name:	Université Mohammed V Dept. de Biologie, Faculté des Sciences
Address:	B.P. 1014, Rabat MOROCCO
Cable/Telex:	FACSCIENCES RABAT/-
Telephone:	718 34
Name of the Head of the Organ:	M. Saghi
Title:	Directeur de departement
No. of Professionals:	100
Main Internal Organization:	
Subject Areas of Concern:	Animal physiology. Plant physiology. Animal ecology. Plant ecology. Plant biology.
Specific activities being carried out:	Research activities are carried out on the subjects mentioned above.
New activities planned:	
Publications:	
Sources of Support:	Government, CNRS (branch).
Fixed Experimental stations and their activities:	Laboratories at the University Mohammed V.
Source of Information:	R

Code:	M007
Name:	Institut National de la Recherche Agronomique
Address:	B.P. 4151, Rabat MOROCCO
Cable/Telex:	-/DRA 317-02
Telephone:	726 18, 726 08
Name of the Head of the Organ:	H. Faraj
Title:	Directeur
No. of Professionals:	250 Engineers
Main Internal Organization:	
Subject Areas of Concern:	Agronomy. Forage plants. Forage production. Crop response. Crop production. Animal health. Animal production. Oases.
Specific activities being carried out:	A research programme on the reconstruction of palm plantations; Agricultural development of cereals and forages in oases; Research on zootechniques.
New activities planned:	
Publications:	"Les Cahiers de la Recherche Agronomique", annual activity reports, seminar proceedings.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Station Experimentale Memana; - " " Zagora; - " " Errachidia.
Source of Information:	R

Code:	M009
Name:	Direction des Eaux et Forêts et de la Conservation de Sols
Address:	Rabat-Chellah MOROCCO
Cable/Telex:	
Telephone:	625 65 , 629 94
Name of the Head of the Organ:	B.S. Nadim
Title:	Ingenieur en Chef
No. of Professionals:	350
Main Internal Organization:	Central Direction and provincial services.
Subject Areas of Concern:	Erosion control. Afforestation. Forest management. Forestry. Forests. Land conservation. Desertification control. Reafforestation..
Specific activities being carried out:	Carrying out the National Plan for reafforestation (22000 ha/year).
New activities planned:	Preparation of a national plan of action to combat desertification.
Publications:	Specific studies, activity reports, "Annales de la Station de Recherches et d'Experimentations Forestières".
Sources of Support:	Government and international organisations such as IBRD.
Fixed Experimental stations and their activities:	- Research station and forest experimentation: Research in forestry.
Source of Information:	R

Code:	M201
Name:	Desert Ecological Research Unit
Address:	P.O. Box 953, Walvis Bay 9190, NAMIBIA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Dr. O.K. Seely
Title:	Director
No. of Professionals:	3
Main Internal Organization:	
Subject Areas of Concern:	Ecology. Animal ecology. Desert ecology. Desert plants.
Specific activities being carried out:	Basic research on the ecology of the plants and animals of the Namib desert.
New activities planned:	
Publications:	"Namib Bulletin" (occasional).
Sources of Support:	Government.
Fixed Experimental stations and their activities:	Itself.
Source of Information:	R

Code:	M300
Name:	Centre Régional de Formation et d'Application en Agrométéorologie et Hydrologie Opérationnelle (Centre AGRHYMET)
Address:	B.P. 11011, Niamey, NIGER
Cable/Telex:	-/AGRHYMET 5448 NI
Telephone:	73 31 16, 73 39 87
Name of the Head of the Organ:	C.B. Coly
Title:	Directeur Genéral
No. of Professionals:	82
Main Internal Organization:	
Subject Areas of Concern:	Meteorology. Hydrology. Agricultural meteorology. Training and education. Agriculture.
Specific activities being carried out:	Professional training of: Engineers in hydrology; Senior technicians in agrometeorology; Operators of meteorological instruments (classic and electronic); Modelling and meteorological impact assessment on agriculture.
New activities planned:	Regular training courses, seminars.
Publications:	Agrometeorological reports and monthly hydrological reports.
Sources of Support:	UNDP, donations from USA, Belgium, Switzerland, F.R. Germany, CILSS.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	M301
Name:	Autorité du Bassin du Niger
Address:	B.P. 729, Niamey, NIGER
Cable/Telex:	AUBANI/-
Telephone:	72 31 01, 72 31 02, 72 31 03
Name of the Head of the Organ:	I.S. Balde
Title:	Secretaire Exécutif
No. of Professionals:	50
Main Internal Organization:	
Subject Areas of Concern:	Fluvial process. Hydrology. Rivers. Runoff. Water engineering. Water management. Sediments.
Specific activities being carried out:	Hydrologic control systems for the Niger river; Collection of sediment samples from the Niger river.
New activities planned:	Preparation of an integrated development plan for the Niger River Basin.
Publications:	Index, bibliographies, reports.
Sources of Support:	Member Governments: Benin, Cameroon, Chad, Ivory Coast, Guinea, Burkina Faso, Mali, Niger, Nigeria.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	M302
Name:	Départment des Recherches Forestières
Address:	B.P. 225, Niamey, NIGER
Cable/Telex:	
Telephone:	72 21 33 extn: 49)
Name of the Head of the Organ:	M. Barbier
Title:	Directeur
No. of Professionals:	2
Main Internal Organization:	
Subject Areas of Concern:	Agroforestry. Soil amendment. Conservation. Ecology. Plant genetics. Soil management.
Specific activities being carried out:	
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	M303
Name:	Direction des Forêts et de la Faune
Address:	B.P. 578, Niamey, NIGER
Cable/Telex:	
Telephone:	73 33 29
Name of the Head of the Organ:	M. Mamane
Title:	Directeur
No. of Professionals:	225
Main Internal Organization:	Directorate within the Ministry of Hydrology and Environment.
Subject Areas of Concern:	Conservation. Natural resources. Nature protection. Forestry. Ecology. Plant genetics. Plant adaptation. Forest management. Wildlife. Fauna surveys. Environment. Soil management. Desertification control.
Specific activities being carried out:	Preparation of a plan of action to combat desertification in Niger, including activities in the fields of forestry, agriculture and livestock.
New activities planned:	Plantations for protecting agricultual production, fauna assessments and environment protection.
Publications:	Annual report and periodical reports on activities projects and services.
Sources of Support:	Government, international organizations and bi-lateral aid.
Fixed Experimental stations and their activities:	Department de Recherches Forestières de l'INRAN: Ecology, plant adaptation, plant genetics, silviculture and forest management, soil conservation.
Source of Information:	R

Code:	M304
Name:	Faculté d'Agronomie, Université de Niamey
Address:	B.P. 10960, Niamey, NIGER
Cable/Telex:	BP 10960 NIAMEY NIGER/-
Telephone:	73 22 90
Name of the Head of the Organ:	Y. Alhassane
Title:	Maître Assistant
No. of Professionals:	18
Main Internal Organization:	
Subject Areas of Concern:	Training and education. Agronomy. Agriculture. Animal husbandry. Soil sciences. Plants.
Specific activities being carried out:	Education and research.
New activities planned:	
Publications:	
Sources of Support:	Government and foundations.
Fixed Experimental stations and their activities:	Laboratories.
Source of Information:	R

Code:	M305
Name:	Institut National de Recherches Agronomiques du Niger
Address:	B.P. 429, Niamey, NIGER
Cable/Telex:	-/5201 INRANI-NI
Telephone:	72 27 14, 72 20 70, 72 34 34
Name of the Head of the Organ:	Mr. M. Saley
Title:	Directeur Général
No. of Professionals:	95
Main Internal Organization:	Five research departments.
Subject Areas of Concern:	Agriculture. Agroforestry. Agronomy. Crop production. Crop response. Crops. Cultivation systems. Rural development and planning. Animal behaviour. Animal diseases. Animal ecology. Animal health. Animal husbandry. Animal physiology. Cattle. Animal production. Grazing. Pastoralism. Pest control in animals. Plant breeding. Plant ecology. Plant biology. Pastures. Soil chemistry. Soil physics. Vegetation. Forestry. Economic development.
Specific activities being carried out:	Agricultural research on millet, sorghum, ground nuts and rice; Ecological research with reference to soil cartography, soil chemistry and soil physics; Veterinarian research particularly on agrostology, zootechnology, parasitology and bacteriology; Forest research and rural economics.
New activities planned:	
Publications:	Animal reports, technical data sheets and reports, leaflets.
Sources of Support:	Government and bilateral co-operation from USAID, FAO, CILSS, FAC, etc.
Fixed Experimental stations and their activities:	- Tarna, Agadez, Kolo, Ouallan, Bengou, Loassa, Gabougoura, and Bonkoukou: Agricultural research; - Kirkissoye, Bengou and Tarna: Zootechnical research; - N'dounga, Niamey Aviation: Forest research.
Source of Information:	R

Code:	M306
Name:	Institut de Recherches en Sciences Humaines (IRSH)
Address:	B.P. 318, Niamey, NIGER
Cable/Telex:	-/5258 UNINIM
Telephone:	(227) 73 55 41, 73 55 39
Name of the Head of the Organ:	Dr. A.H. Sidikou
Title:	Directeur
No. of Professionals:	8
Main Internal Organization:	Social aspects. Geography. Rural development and planning. Ethnology. Human behaviour.
Subject Areas of Concern:	Basic investigations in archaeology, sociology, linguistics and geography, history and traditions.
Specific activities being carried out:	Publication of results of various researches; Co-operation with similar institutions.
Publications:	"Etudes Nigériennes", "Documents des Etudes Nigériennes", and "Mukarasani".
Sources of Support:	Government, UNESCO.
Fixed Experimental stations and their activities:	- Agadez; - Maradi.
Source of Information:	R

Code:	M308
Name:	Ministère des Affaires Saheriennes et Nomades
Address:	B.P. 452, Niamey, NIGER
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	
Title:	Sécretaire Permanent.
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Migration. Drought. Human health. Training and education. Nomads.
Specific activities being carried out:	Solving problems of migrations caused by drought.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	M315
Name:	Project Tapis Vert (PTV)
Address:	B.P. 2605, Balafon-Niamey, NIGER
Cable/Telex:	
Telephone:	72 27 95
Name of the Head of the Organ:	D. Idrissa
Title:	Ingénieur Agronome
No. of Professionals:	6
Main Internal Organization:	
Subject Areas of Concern:	Agroforestry. Erosion control. Water conservation. Watershed management. Rural development and planning. Renewable energy. Appropriate technology. Solar energy. Biogas technology. Water management. Water harvesting. Wind erosion. Wind power.
Specific activities being carried out:	Studies on water conservation and watershed management; Studies on the application of two water harvesting systems (wind pumps and motor pumps using biogas); Agroforestry; Extension programme on building techniques using local materials excluding wood.
New activities planned:	Photovoltaic water pump study, Wind erosion study, Assistance to rural co-operatives for the management of water use.
Publications:	Annual report.
Sources of Support:	- PTV Chikal: All activities mentioned above.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	M404
Name:	Bayero University Dept. of Geography
Address:	P.M.B. 3011, Kano, NIGERIA
Cable/Telex:	UNIBAYERO KANO
Telephone:	
Name of the Head of the Organ:	Prof. M. Mortimore
Title:	Professor and Head of Department.
No. of Professionals:	14
Main Internal Organization:	
Subject Areas of Concern:	Drought. Drought tolerance. Desert soils. Geography. Hydrology. Rivers. Reservoirs. Energy. Desertification control.
Specific activities being carried out:	Research on drought; Rural energy production and consumption; Effects of dams; River basin hydrology and Harmattan monitoring.
New activities planned:	
Publications:	Monographs.
Sources of Support:	FAO, UNO, University funds.
Fixed Experimental stations and their activities:	- University meteorological station; - Harmattan deposition site.
Source of Information:	R

Code:	M405
Name:	Federal Department of Forestry
Address:	No.6, Ijeh Village, Obalende, Ikoyi, Lagos NIGERIA
Cable/Telex:	
Telephone:	68 33 24, 68 41 28
Name of the Head of the Organ:	A.K. Aladejana
Title:	Director of Forestry
No. of Professionals:	20
Main Internal Organization:	
Subject Areas of Concern:	Sand dunes. Water supply. Water resources. Training and education in lands. Forestry. Desert plants. Desertification control. Plant adaptation. Shelterbelts. Afforestation.
Specific activities being carried out:	Shelterbelt plantation development; Communal forestry development; Establishment of nurseries; Extension services and training; Provision of boreholes for water supply; Stabilization of sand dunes.
New activities planned:	Introduction of new anti-desertification species eg. jojoba, introduction of fruit tree seedlings, shelterbelt pilot project in Kaduna, establishment of new nurseries, preparing a film documentary of activities, formation of youth foresters clubs in schools.
Publications:	Newsletter, technical bulletins, monographs and reports.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Lake Chad Research Institute and Shelterbelt Research Station, Kano: Effects of shelterbelts on agricultural yields and soil improvement, introduction of new species.
Source of Information:	R

Code:	M407
Name:	Forestry Division, Ministry of Agriculture and Natural Resources
Address:	P.M.B. 3022, Kano NIGERIA
Cable/Telex:	None
Telephone:	2197
Name of the Head of the Organ:	Mr. J. Debski
Title:	Chief Conservator of Forests
No. of Professionals:	7
Main Internal Organization:	Four main units: Forestry; Wildlife; Zoo and Parks.
Subject Areas of Concern:	Forestry. Forests. Forest products. Fuel wood. Wood management. Wood technology. Shelterbelts.
Specific activities being carried out:	Establishment of protective forest shelterbelts, fuel wood and industrial and protective forest plantations; Rural woodlots and tree planting activities.
New activities planned:	Agroforestry.
Publications:	None.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Forest Shelterbelts Research Station, managed by the Federal Forestry Research Institute of Nigeria: experiments in shelterbelts.
Source of Information:	R

Code:	M408
Name:	Forestry Research Institute of Nigeria
Address:	P.M.B. 5054, Ibadan, NIGERIA
Cable/Telex:	FORSEARCH/-
Telephone:	41 44 41, 41 40 22, 41 40 73
Name of the Head of the Organ:	Prof. P.R.O. Kio
Title:	Director
No. of Professionals:	82
Main Internal Organization:	
Subject Areas of Concern:	Forestry. Forest management. Training and education. Conservation. Forest products. Forests. Microclimatology. Afforestation. Shelterbelts.
Specific activities being carried out:	Improvement, conservation and utilization of forests; Environmental protection and forest education.
New activities planned:	
Publications:	Research papers: "Forest" and "Savanna" series, forest products research laboratory reports, information bulletin.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	Shelterbelt Research Station, Kano: Effects of shelterbelts on growth and yield of agricultural crops, tree crops and microclimate, afforestation of difficult sites, socio-economic effects of shelterbelts.
Source of Information:	R

Code:	M410
Name:	Institute for Agricultural Research
Address:	P.M.B. 1044 Samaru-Zaria NIGERIA
Cable/Telex:	-/ZARIA 2571 - 4PBX
Telephone:	
Name of the Head of the Organ:	J.H. Davies
Title:	Director
No. of Professionals:	912
Main Internal Organization:	
Subject Areas of Concern:	Horticulture. Food conservation. Foods. Conservation. Agricultural mechanization. Crops. Irrigation programmes. Seeds. Plant breeding. Plant pathology. Soil surveys. Agricultural climatology.
Specific activities being carried out:	Research.
New activities planned:	Seed multiplication and recommendation to farmers.
Publications:	"Noma", "Samaru Journal", annual report, miscellaneous papers, Samaru conference papers, test reports, soil survey bulletins.
Sources of Support:	Government, consultancy fees.
Fixed Experimental stations and their activities:	- At Bakura, Kadawa, Kano and Samaru: Irrigation studies, breeding and testing new crop lines, agronomical and plant pathology, soil surveys, and weather studies.
Source of Information:	R

Code:	M411
Name:	Institute for Agricultural Research
Address:	P.O. Box 1044, Samaru, Zaria, NIGERIA
Cable/Telex:	
Telephone:	(257) 10 25 74
Name of the Head of the Organ:	J.H. Davies
Title:	Director
No. of Professionals:	18
Main Internal Organization:	Departments of: Soil science; Agricultural engineering; Crop protection; Plant science; Agronomy; Agro-economics; and Rural sociology.
Subject Areas of Concern:	Agricultural engineering. Agricultural mechanisation. Agronomy. Agriculture. Agricultural climatology. Crop production. Crop response. Agricultural products. Cultivation systems. Economic plants. Horticulture. Rural development and planning. Seeds. Plant breeding. Plant biology. Plant growth. Plant pathology. Weed control. Land management. Savannas. Land conservation. Water conservation. Water management.
Specific activities being carried out:	Research on cereal crops to develop high yielding varieties adaptable to different ecological zones in the savanna; Research on seeds, fibres, legumes, horticultural crops and soil-crop environment; Dissemination of research findings through agricultural extension and Research Liaison Services of ABU; Soil fertility maintenance; Soil and water management; Land resource assessments; Cropping and intercropping systems.
New activities planned:	
Publications:	Samuru research bulletins, miscellaneous papers, "Samuru Agricultural Newsletter" (bi-monthly), conference papers, soil survey reports and annual Report.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	Kano, Kadawa, Mokwa, Bakura and Yandeu.
Source of Information:	(1)

Code:	M413
Name:	Lake Chad Research Institute
Address:	P.M.B. 1293, Maiduguri, Borno State, NIGERIA
Cable/Telex:	LACRI/-
Telephone:	23 21 06
Name of the Head of the Organ:	Dr. V.O. Sagua
Title:	Director
No. of Professionals:	32
Main Internal Organization:	
Subject Areas of Concern:	Agriculture. Agricultural products. Crop production. Crop response. Crops. Fisheries. Aquaculture. Animal production. Cattle. Cultivation systems. Food conservation. Pest control in animals. Pastures. Irrigated agriculture. Rainfed agriculture.
Specific activities being carried out:	Agricultural crops improvement research specially in cereals; Fisheries; Research into fish stock dynamics, aquaculture and fish processing technology.
New activities planned:	Selection of high yield, good malting quality barley; Aquaculture research to produce Tilapia and Clorieas spp. fingerlings for sale to farmers; Poultry prod.; Cattle improvement and prevention of diseases.
Publications:	Technical papers, newsletter (quarterly), conference proceedings, articles in journals.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Ngala Research Station: Research in cereals, rainfed and irrigated agriculture; - Baga station: Research in fisheries, poultry and pasture production, rainfed agriculture.
Source of Information:	R

Code:	M415
Name:	National Committee on Arid Zones Afforestation
Address:	c/o Federal Dept. of Forestry P.M.B. 202, Kaduna, NIGERIA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Mr. M.A. Oyebo
Title:	Executive Secretary
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Afforestation. Reafforestation. Deforestation. Forest management. Forestry. Shelterbelts.
Specific activities being carried out:	Assistance to state forest departments in developing and establishing nurseries, communal and private woodlots, tree planting campaigns, assistance for jojoba shelterbelts .
New activities planned:	
Publications:	
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	M416
Name:	National Cereals Research Institute
Address:	Moor Plantations, P.M.B. 5042, Ibadan, NIGERIA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	C.O. Obasola
Title:	Director
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Crop production. Crop response. Plant genetics. Animal husbandry. Agriculture. Cultivation systems. Ecology. Post-harvest conservation. Pest control. Social aspects. Rural development and planning. Agricultural mechanization.
Specific activities being carried out:	Integration of crop cultivation into farming systems in different ecological zones; Studies of socio-economic effects on rural populations; Mechanization and improvement of cultivation, harvesting processes and storage methods.
New activities planned:	
Publications:	Annual reports, memoranda, research bulletins, information papers.
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	M418
Name:	Samuru Institute for Agricultural Research
Address:	P.M.B. 1044, Zaria, NIGERIA
Cable/Telex:	AGRISEARCH/-
Telephone:	2571-4
Name of the Head of the Organ:	
Title:	Director
No. of Professionals:	14
Main Internal Organization:	
Subject Areas of Concern:	Crop production. Plant breeding. Agriculture. Crop response. Dry farming. Agricultural climatology. Entomology. Agronomy. Plant populations. Plant pathology. Weed control.
Specific activities being carried out:	
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	M419
Name:	Savanna Forestry Research Station
Address:	P.M.B. 1039, Samaru-Zaria, NIGERIA
Cable/Telex:	
Telephone:	2591-2
Name of the Head of the Organ:	A.B. Monodu
Title:	Principal Research Officer
No. of Professionals:	6
Main Internal Organization:	
Subject Areas of Concern:	Savannas. Wood technology. Wood products. Land management. Soil surveys. Plant breeding. Planting management.
Specific activities being carried out:	Trials of pines and ecalyptus in savanna area; Soil surveys; Tree breeding; Land clearance and site preparation for savanna afforestation and testing; Use of forest products.
New activities planned:	
Publications:	Annual reports, index of research, technical notes and research papers.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	M420
Name:	Department of Forestry and Fisheries, Faculty of Agriculture University of Sokoto
Address:	P.M.B. 2346, Sokoto, NIGERIA
Cable/Telex:	UNIVERSITY OF SOKOTO / 3134 UNISOK NIGERIA
Telephone:	(060) 23 20 58
Name of the Head of the Organ:	S.P.A. Okoro
Title:	Acting Head
No. of Professionals:	3
Main Internal Organization:	
Subject Areas of Concern:	Conservation. Agroforestry. Renewable energy. Fuel-wood. Savannas. Shelterbelts.
Specific activities being carried out:	Agroforestry in the Sudan savanna; Renewable energy resources; Environmental forestry.
New activities planned:	Shelterbelt research - designs and species trials, fuel-wood energy option, evaluation of farm trees in the Sudan savanna.
Publications:	Seminars and conference papers.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	M501
Name:	Centre Régional Africain de Technologie
Address:	B.P. 2485, Dakar, SENEGAL
Cable/Telex:	-/3282 SG
Telephone:	22 77 12/13
Name of the Head of the Organ:	D.B. Thomas
Title:	Directeur Executif
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Post harvest conservation. Food conservation. Appropriate technology. Biogas technology.
Specific activities being carried out:	Technical consultancies; Training and information services on food; Reduction of post-harvest losses; Energy production (biogas etc.).
New activities planned:	Demonstration units on post-harvest technology, biogas digester and appropriate equipment for food production and energy.
Publications:	"Bulletin de Liaison", "Technodeveloppement Africain", monographs, bibliographies.
Sources of Support:	Contributions from member states, OAU, UNDP, World Bank.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	M502
Name:	Centre National de Recherches Agronomiques
Address:	BP 14, Bambey, SENEGAL
Cable/Telex:	NORAGRO BAMBEY/-
Telephone:	843 50
Name of the Head of the Organ:	M. Mbodj
Title:	Directeur
No. of Professionals:	45
Main Internal Organization:	
Subject Areas of Concern:	Agriculture. Irrigated agriculture. Climatology. Agricultural mechanization. Agricultural climatology. Rural dev. and planning. Plant genetics. Plant pathology. Crop prod.. Crop response. Water resources. Water management. Climate-vegetal relationship.
Specific activities being carried out:	Irrigated and non-irrigated agric.; bioclimatology; Mechanized agriculture and rural socio-economics; Agronomy and zoology of the Sahel; Crop prod. specially sorghum, millet and cowpeas; Internat./West African agro-climatology; Water management.
New activities planned:	
Publications:	Annual report.
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	M503
Name:	Centre National de Recherches Forestières ISRA/CNRF
Address:	B.P. 2312, Dakar, SENEGAL
Cable/Telex:	
Telephone:	21 32 19
Name of the Head of the Organ:	A.I. Niana
Title:	Directeur
No. of Professionals:	20
Main Internal Organization:	
Subject Areas of Concern:	Forestry. Saline soils. Afforestation. Reafforestation. Forest management. Forest products. Forests. Fuelwood. Agroforestry. Water balance. Planting management. Seeds. Nitrogen fixation. Plant breeding.
Specific activities being carried out:	Forest research in local and exotic species; Irrigated plantations; Reafforestation in saline soils; Nitrogen fixation; Wood energy; Plant reproduction; Harvest and storage of forest seeds.
New activities planned:	
Publications:	Annual reports.
Sources of Support:	Government (25%), external sources (75%).
Fixed Experimental stations and their activities:	- Podor: Irrigated plantations; - Tibiddi: Gum and forage species; - Boudia: Water balance of eucalyptus and forestry with local and exotic species; - Keur Ractai: Agroforestry and plantation in saline soils; - Djibeloi: Dev. and improvement of Sudano-Guinean forests.
Source of Information:	R

Code:	M504
Name:	Centre de Recherches Zootechnique Kolda
Address:	B.P. 53, Kolda, SENEGAL
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Mdm. Mbaye
Title:	Directeur
No. of Professionals:	3
Main Internal Organization:	
Subject Areas of Concern:	Livestock. Cattle. Sheep. Animal production. Forage plants. Environment.
Specific activities being carried out:	Improvement of cattle production; Sheep production; Studies on environment and forage plants.
New activities planned:	Research on production systems.
Publications:	Activities report, technical reports, research publications.
Sources of Support:	Government and donors.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	M505
Name:	Laboratoire de Biogéographie Faculté des Lettres et Sciences Humaines Université de Dakar
Address:	Dakar - Fann SENEGAL
Cable/Telex:	UIVDAK 262 SG/-
Telephone:	22 26 25, 21 63 70
Name of the Head of the Organ:	P. Ndiaye
Title:	Maître-Assistant
No. of Professionals:	1
Main Internal Organization:	
Subject Areas of Concern:	Pastures. Mapping and cartography. Vegetation. Climate-Vegetal relationship. Climatology. Training and education in lands and soils.
Specific activities being carried out:	Dynamics of pastures; Cartography of vegetation.
New activities planned:	Studies on effects of early seasonal rains on the grass cover of northern Senegal.
Publications:	Reports and theses.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	M506
Name:	Société d'Aménagement et d'Exploitation des Terres du Delta
Address:	B.P. 74, Saint-Louis, SENEGAL
Cable/Telex:	-/7764 SG
Telephone:	61 15 33 (34)
Name of the Head of the Organ:	O.K. Dia
Title:	Président Directeur Général
No. of Professionals:	36
Main Internal Organization:	Division of Research and Development.
Subject Areas of Concern:	Forests. Soil amendment. Agroforestry. Windbreaks.
Specific activities being carried out:	Development of a central nursery in Nianga, 22 orchards of 35 ha for villagers.
New activities planned:	Rehabilitation of the fruit stations of Diorbivol and Guété, creation of fruit orchards and windbreaks.
Publications:	
Sources of Support:	FAC, CCCE, FED.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	M508
Name:	Institut Sénégalais de Recherches Agricoles Centre National de Recherches Forestières
Address:	B.P. 2312, Dakar, SENEGAL
Cable/Telex:	3117 ISRA SG/-
Telephone:	21 32 19, 21 96 17
Name of the Head of the Organ:	M. M. Niang
Title:	Directeur Général
No. of Professionals:	250
Main Internal Organization:	
Subject Areas of Concern:	Forestry. Agroforestry. Plant breeding. Plant physiology. Soil microbiology. Forest products. Wood management. Wood technology.
Specific activities being carried out:	Silviculture of local and exotic species in dry and irrigated soils; Physiology of eucalyptus and gum trees; Soil microbiology; Plant breeding and tissue culture.
New activities planned:	Agroforestry, hydrobiology, technology and chemistry of wood.
Publications:	Annual reports.
Sources of Support:	Government (25%), France (25%), Canada (25%) and NAS (25%).
Fixed Experimental stations and their activities:	Four stations covering 700 ha (25 ha irrigated).
Source of Information:	R

Code:	M514
Name:	Institut Français de Recherche Scientifique pour le Développement en Coopération (ORSTOM)
Address:	Centre ORSTOM HANN, B.P. 1386, Dakar, SENEGAL
Cable/Telex:	-/468 ORSTOM SG
Telephone:	21 34 80, 22 34 76
Name of the Head of the Organ:	B. Dalmayrac
Title:	Représentant de l'ORSTOM au Sénégal
No. of Professionals:	120
Main Internal Organization:	
Subject Areas of Concern:	Demography. Saline soils. Water balance. Water quality. Nitrogen fixation. Rural development and planning. Geography. Entomology. Human health. Soil microbiology. Ecology. Hydrology. Climatology. Geology. Fisheries. Remote sensing. Biogas technology. Livestock.
Specific activities being carried out:	Studies on saline soils, quality and water balance; Nitrogen fixation experiments; Fish stock studies; Climatic monitoring; Remote sensing; Biogas applications; Malnutrition.
New activities planned:	
Publications:	Publications through international reviews, monographs and "ORSTOM Report".
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Centre de Hann: Geology, hydrology, pedology, soil and water laboratory; - Centre de Bel Air: Soil microbiology, nematology, zoology, physical oceanography and human science; - Richard Toll: Geography and ornithology; - Orana Nutrition Inst. Pasteur: Medical entomology.
Source of Information:	R

Code:	M516
Name:	Société de Developpement et de Vulgarisation Agricole
Address:	92, rue Blanchot B.P. 3234, Dakar, SENEGAL
Cable/Telex:	-/638
Telephone:	22 03 89, 21 16 78, 21 61 30
Name of the Head of the Organ:	M. Diallo
Title:	Sociologue-Directeur
No. of Professionals:	32
Main Internal Organization:	General Management; Technological dept.; Administration; Regional delegations.
Subject Areas of Concern:	Reafforestation. Soil amendment. Nature protection. Conservation. Ecology. Agriculture.
Specific activities being carried out:	Reafforestation; Regeneration of soils and preservation of the natural habitat.
New activities planned:	Agroforestry.
Publications:	Annual reports, specific notes.
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	M600
Name:	Faculty of Agriculture, National University of Somalia
Address:	P.O. Box 801, Mogadishu, SOMALIA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	M.A. Mohamed
Title:	Dean
No. of Professionals:	29
Main Internal Organization:	Department of Botany and Range management.
Subject Areas of Concern:	Sand dunes. Plant adaptation. Land reclamation. Desert plants. Desert soils. Desert ecology. Sand control. Forestry.
Specific activities being carried out:	Stabilizing sand dunes with Commifera, Cassia and Solanum species.
New activities planned:	Species trials for rehabilitation of denuded areas, a comparison of indigenous and introduced species, establishment of plant nursery for growing out and hardening plants suitable for direct planting in sand dunes, rehabilitation of abandoned farms in the central rangelands of Somalia.
Publications:	
Sources of Support:	Government, USAID, IFAD, World Bank, GTZ.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	M604
Name:	National Range Agency
Address:	P.O. Box Mogadishu, SOMALIA
Cable/Telex:	-/736 NRA
Telephone:	
Name of the Head of the Organ:	Dr. A. Ahmed Karani
Title:	General Manager
No. of Professionals:	
Main Internal Organization:	Anti-desertification unit; Water and soil conservation section; Range management department; Forestry department.
Subject Areas of Concern:	Soil management. Sand dunes. Rangelands. Water management. Forestry. Training and education. Water conservation. Desertification control. Shelterbelts.
Specific activities being carried out:	Tree planting; Dune control, Shelterbelts; Range reserves; Water development; Agroforestry and community forestry projects.
New activities planned:	Extension of ongoing projects.
Publications:	National Range Agency report, Range bulletin.
Sources of Support:	Government, bi-lateral donors and private foundations.
Fixed Experimental stations and their activities:	- Afgoi Forestry: Limited experimental project.
Source of Information:	R

Code:	M800
Name:	Agricultural Research Corporation (ARC)
Address:	P.O. Box 126, Wad Medani, SUDAN
Cable/Telex:	RESEARCH, MEDANI, SUDAN/-
Telephone:	
Name of the Head of the Organ:	Dr. M.B. Said
Title:	Director General
No. of Professionals:	245
Main Internal Organization:	
Subject Areas of Concern:	Soil Science. Agronomy. Botany. Entomology. Economics. Food Conservation. Forestry. Wildlife. Ranges. Pastures. Horticulture.
Specific activities being carried out:	Research, experimentation and on-farm testing on soil sciences, agronomy, pathology, entomology, breeding and horticulture; Studies in statistics and agricultural economics; Wildlife and grasslands.
New activities planned:	
Publications:	Annual reports and technical papers in local and international journals.
Sources of Support:	Government, grants from international organizations and income from crop sales.
Fixed Experimental stations and their activities:	- 17 stations and centres widely spread throughout the country.
Source of Information:	R

Code:	M801
Name:	Forest Administration
Address:	P.O. Box 658, Khartoum, SUDAN
Cable/Telex:	GRABAL KHARTOUM/-
Telephone:	
Name of the Head of the Organ:	O.K. Kamal
Title:	Director-General
No. of Professionals:	
Main Internal Organization:	Afforestation and shelterbelt sections.
Subject Areas of Concern:	Sand dunes. Afforestation. Land conservation. Forest management. Forests. Shelterbelts.
Specific activities being carried out:	Establishment of shelterbelts in the Nile province; Sand dune fixation; Canal side planting.
New activities planned:	Establishment of shelterbelts in irrigated and rainfed agriculture schemes.
Publications:	"Sudan Silva".
Sources of Support:	Government, FAO, USAID, CARE, CIDA, FINILIDA.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	M803
Name:	Faculty of Agriculture, University of Khartoum
Address:	Shabat, Khartoum North, SUDAN
Cable/Telex:	MAZRA/-
Telephone:	61 20 04
Name of the Head of the Organ:	Prof. E. I. El-Khidir
Title:	Dean, Faculty of Agriculture
No. of Professionals:	60
Main Internal Organization:	
Subject Areas of Concern:	Training and education. Agriculture. Forestry. Land use. Range management. Forest management. Desertification. Animal production.
Specific activities being carried out:	Teaching and research in all relevant agricultural disciplines to under and post-graduate students.
New activities planned:	
Publications:	A popular agricultural magazine and an agricultural research journal.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	A demonstration farm: Research and training on agriculture and animal production.
Source of Information:	R

Code:	M805
Name:	Forest Research Centre
Address:	P.O. Box 658, Khartoum, SUDAN
Cable/Telex:	
Telephone:	767 00, 767 04
Name of the Head of the Organ:	Prof. A. Elhuri
Title:	Director
No. of Professionals:	4
Main Internal Organization:	Wad Medani and El Obeid Centres.
Subject Areas of Concern:	Land reclamation. Forestry. Agroforestry. Desert plants. Desert soils. Desert ecology. Shelterbelts.
Specific activities being carried out:	Land reclamation and desert combat in the northern province of Sudan.
New activities planned:	Shelterbelts at Elzeidabath (northern Sudan) and Elbashiri (western Sudan).
Publications:	Periodicals and monographs.
Sources of Support:	Government and external aid.
Fixed Experimental stations and their activities:	- Kerma in the northern province: Land reclamation, shelterbelt trials.
Source of Information:	R

Code:	M806
Name:	Geological and Mineral Resources Div. Geological Survey Dept.
Address:	P.O. Box 410, Khartoum, SUDAN
Cable/Telex:	
Telephone:	724 41
Name of the Head of the Organ:	Y. Suleiman
Title:	Director General
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Ground water. Water resources. Crusts. Fossils. Geochemical explorations. Geology. Geomorphology. Mineralogy. Mapping and cartology.
Specific activities being carried out:	Applied research and surveys; Gelogical mapping; Mineral exploitation and development; Ground water investigation and oil exploration.
New activities planned:	
Publications:	Annual reports, bulletins.
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	M807
Name:	Institute of Environmental Studies
Address:	P.O. Box 321, Khartoum, SUDAN
Cable/Telex:	
Telephone:	809 93
Name of the Head of the Organ:	Prof. M.D. El Khalifa
Title:	Director
No. of Professionals:	7
Main Internal Organization:	Four project co-ordinators.
Subject Areas of Concern:	Arid lands management and development. Water resources. Urban areas. Environmental training and education. Desertification control. Ecosystems. Environmenal impact. Watershed management. Grazing.
Specific activities being carried out:	Research on obstacles to the application of knowledge in arid lands; Monitoring indicators of environmental change in Sudan.
New activities planned:	Blue Nile watershed management, village based programmes to combat desertification in Kordofan Region.
Publications:	Monographs on: women and the environment, open grazing, environmental degradation in Butana and impact of water points on environmental degradation in Kordofan, "Sudan environment" newsletter.
Sources of Support:	Government, Ford Foundation and consultancies.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	M808
Name:	Department of Meteorology
Address:	P.O. Box 574, Khartoum, SUDAN
Cable/Telex:	GOVMET/-
Telephone:	788 36
Name of the Head of the Organ:	Mr. M.E. Abdalla
Title:	Acting Director General
No. of Professionals:	32
Main Internal Organization:	Research section.
Subject Areas of Concern:	Meteorology. Climatology. Agricultural climatology. Weather modification.
Specific activities being carried out:	Scientific research on climatology. Agrometeorological observations and research. Weather forecasting.
New activities planned:	Enhancement of present activities by using recent technology.
Publications:	Annual meteorological reports, research published by meteorologists.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	46 meteorological stations.
Source of Information:	R

Code:	M809
Name:	National Committee for Environment.
Address:	P.O. Box 4274, Khartoum Central, SUDAN
Cable/Telex:	
Telephone:	757 47
Name of the Head of the Organ:	Dr. L.A. E. Desugi
Title:	Convenor of the National Committee for Environment
No. of Professionals:	4
Main Internal Organization:	Within National Council for Research.
Subject Areas of Concern:	Desertification. Environment. Environmental impact. Tree planting.
Specific activities being carried out:	To promote programmes of public awareness and participation in the field of desertification control Tree planting programme in co-operation with the Ministry of Education.
New activities planned:	A project of tree planting in primary schools in Khartoum City, a desertification bibliography manual.
Publications:	None.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	M810
Name:	Desertification Control Coordination and Monitoring Unit
Address:	Ministry of Agriculture Food and Natural Resources, P.O. Box 199, Khartoum, SUDAN
Cable/Telex:	DECARP MINIST. OF AGRICULTURE/-
Telephone:	720 23
Name of the Head of the Organ:	Prof. H.A. Musnad
Title:	National Co-ordinator
No. of Professionals:	12
Main Internal Organization:	
Subject Areas of Concern:	Land reclamation. Sand dunes. Shelterbelts. Fuelwood. Pastures. Forests. Afforestation. Training and education. Desertification control.
Specific activities being carried out:	Restoration of gumbelts and shelterbelts; Sand dune fixation; Fodder and fuel-trees.
New activities planned:	Compilation of national plan to combat desertification.
Publications:	"Ettasahhur Magazine".
Sources of Support:	Government, UNSO, UNDP, UNESCO
Fixed Experimental stations and their activities:	- Forestry Research Centre at Soba: Species trials for arid land afforestation, fodder and fuel trees, training and nursery techniques.
Source of Information:	R

Code:	M812
Name:	Range and Pasture Administration
Address:	P.O. Box 119, Khartoum, SUDAN
Cable/Telex	
Telephone:	
Name of the Head of the Organ:	Dr. A. Darag
Title:	Director
No. of Professionals:	6
Main Internal Organization:	
Subject Areas of Concern:	Grazing. Rangelands. Pastoralism. Land management. Land conservation. Land resources. Pastures. Savannas. Remote sensing. Water resources.
Specific activities being carried out:	Management of grazing resources around permanent water points; Range conservation and improvement.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	M813
Name:	Soil Conservation and Land Use Administration
Address:	P.O. Box 1942, Khartoum, SUDAN
Cable/Telex:	MAWARD KHARTOUM/-
Telephone:	700 59, 701 72
Name of the Head of the Organ:	Mr. M.M.A. Satti
Title:	Director
No. of Professionals:	120
Main Internal Organization:	Internal Planning Committee.
Subject Areas of Concern:	Soil conservation. Land use. Land reclamation. Rural development and planning. Irrigation. Irrigation systems. Irrigation programmes. Settlements. Water harvesting.
Specific activities being carried out:	Reclamation of soils in El Karab and Elgezira provinces; Reclamation of graded soils in northern Kordofan province; Water cropping and water spreading of seasonal water courses in Kassala and northern Darfur province; Desert encroachment control in northen Darfur and Kordofan provinces; Studies on land use and human settlements.
New activities planned:	Desert encroachment control projects.
Publications:	Technical reports in collaboration with Doxiades Company, Hunting Technical Services and University of Khartoum, periodicals.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Central Lab. of Khartoum Municipality; - Sennar Lab. in Blue Nile Province; - Garden soils pilot project in N.K. province; - Delt Arbaat water spreading pilot project in Red Sea province; - Malam Al Widian Water spreading pilot project in N. Darfur province.
Source of Information:	R

Code:	M814
Name:	Arab Organization for Agricultural Development (The)
Address:	4, Alyamia Street, P.O. Box 474, Khartoum, SUDAN
Cable/Telex:	MOTAZEEN KHARTOUM/554 AOAD SD
Telephone:	78760/1/2/3
Name of the Head of the Organ:	Dr. H.F. Jumah
Title:	Director General
No. of Professionals:	300 (25 permanent)
Main Internal Organization:	Three technical departments.
Subject Areas of Concern:	Forestry. Agricultural engineering. Agricultural products. Agroforestry. Agronomy. Arid lands. Crop production. Crop response. Cultivation systems. Irrigation. Rural development and planning. Foods. Food supply. Agricultural climatology. Agriculture.
Specific activities being carried out:	Arab food security programmes, Arabic agricultural dictionary and yearbook of agricultural statistics.
New activities planned:	Pilot agricultural projects.
Publications:	Reports on different fields of agriculture. "Agriculture and development" (bi-monthly), "Agriculture News Bulletin" (monthly)
Sources of Support:	Arab states.
Fixed Experimental stations and their activities:	Institute of Forestry in Syria.
Source of Information:	R

Code:	M900
Name:	Ardhi Institute
Address:	P.O. Box 35176, Dar-Es-Salaam, TANZANIA
Cable/Telex:	ARDMICHUO/-
Telephone:	491 12
Name of the Head of the Organ:	Mr. S. Ndunguru
Title:	Principal
No. of Professionals:	106
Main Internal Organization:	Ten departments.
Subject Areas of Concern:	Land evaluation. Land use. Training and education. Health. Urban planning. Land management. Rural development and planning.
Specific activities being carried out:	Providing training to students in: Land and quality surveying; Architecture; Land management and evaluation; Urban and rural planning; Public health engineering at advanced diploma level.
New activities planned:	"Journal of Building and Land Development", Ardhi Institute prospectus.
Publications:	Government, subsidies from DANIDA, CFTC, UNDP, GVS and VSO.
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	M901
Name:	Faculty of Forestry Sokoine University of Agriculture
Address:	P.O. Box 3009, Morogoro, TANZANIA
Cable/Telex:	UNIAGRIC,/55308 UNIVMO TE
Telephone:	3511-4
Name of the Head of the Organ:	Dr. A.B. Temu
Title:	Dean of Faculty
No. of Professionals:	22
Main Internal Organization:	Within university.
Subject Areas of Concern:	Forestry. Biology. Wood management. Wood technology. Training and education. Forest management. Forest products. Agroforestry.
Specific activities being carried out:	Training and research in forest and biological services.
New activities planned:	Energy research.
Publications:	Division of forestry records in series (Vol.33 up-to-date).
Sources of Support:	NORAD, SAREC (Swedish Govt.), IDRC (Canadian Govt.).
Fixed Experimental stations and their activities:	Olmotonyi Training Forest, Arusha.
Source of Information:	R

Code:	M902
Name:	Forest and Bee Keeping Division
Address:	P.O. Box 426, Dar-es-Salaam, TANZANIA
Cable/Telex:	
Telephone:	272 71
Name of the Head of the Organ:	
Title:	Director
No. of Professionals:	2
Main Internal Organization:	Hado Project
Subject Areas of Concern:	Land reclamation. Conservation. Forestry. Agriculture. Pastures. Soil erosion.
Specific activities being carried out:	Soil conservation on badly eroded land; Forestry and pasture conservation.
New activities planned:	Pasture improvement and possible re-introduction of cattle.
Publications:	"Ten years of Hado".
Sources of Support:	Government, SIDA.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	M903
Name:	Olmontonyi Forestry Training Institute
Address:	P.O. Box 943, Arusha, TANZANIA
Cable/Telex:	JUAMISITU ARUSHA/-
Telephone:	057 34 41
Name of the Head of the Organ:	R.J.C. Nchango
Title:	Principal
No. of Professionals:	25
Main Internal Organization:	Three academic departments; One administrative; One financial.
Subject Areas of Concern:	Training and education in lands. Conservation. Afforestation. Wood management. Forest management. Agroforestry.
Specific activities being carried out:	Education in forestry, offering Officer Certificate degrees and ordinary diplomas in education and forestry.
New activities planned:	
Publications:	None.
Sources of Support:	Government and aid from other countries and organizations.
Fixed Experimental stations and their activities:	- Arboretum for silvicultural training. - Arid zone nursery for experimenting and raising arid zone species.
Source of Information:	R

Code: M904

Name: Institute of Resource Assessment (IRA)
Universty of Dar-es-Salaam

Address: P.O. Box 35097, Dar-es-Salaam,
TANZANIA

Cable/Telex: -/UNISCIE 41327

Telephone: 490 39

Name of the Head of the Organ: Prof. A.C. Mascarenhas

Title: Director

No. of Professionals: 20

Main Internal Organization:
Subject Areas of Concern: Settlements. Natural resources. Water resources. Cultivation systems. Food supply. Social aspects. Human health. Transport. Remote sensing. Rural dev. and planning. Fuelwood. Biogas tech.. Afforestation. Land use. Land conserv.. Environment.

Specific activities being carried out: Research on: Population resources and human settlements, environment; natural resources, water dev., agricultural systems emphasizing food prod., distribution of social services particularly health, education and transportation impacts; Physical resource assessment, remote sensing social aspect of agricultural dev.; Socio-economic assessment of water resource dev.; Population and Women's studies; Planning the dev. and manag. of the Ngorongoro Conservation Area with financial assistance from IUCN and UNESCO; A long-term joint BRALUP/EFI project on environmental planning processes and the socio-economic impact of a multi-million investment in pulp production (the Mufundi Paper Mill); An 18 month survey on fuelwood supply in the semi-arid areas of Tanzania on behalf of FAO; Small-scale energy issues in coop. with Trente University of Tech., Netherlands and SIDO (Gasification by Combustion Project); Studies on communal types of biogas plants in Tanzania.

New activities planned: Rural water supply, management of wildlife conservation areas, coastal resources, afforestation schemes, application of satellite technology for land use planning, population and food and settlements.

Publications: Monograph series, BRALUP research papers, consultancies.

Sources of Support: Government, IUCN, UNESCO.

Fixed Experimental stations and their activities:

Source of Information: (1)

Code:	M905
Name:	Ministry of Agriculture and Livestock Development
Address:	P.O. Box 9071, Dar-es-Salaam, TANZANIA
Cable/Telex:	
Telephone:	294 81, 294 84.
Name of the Head of the Organ:	A.H. Kishimba
Title:	Senior Agriculture Officer
No. of Professionals:	9
Main Internal Organization:	Land use planning.
Subject Areas of Concern:	Land evaluation. Soil conservation. Water conserv.. Training and education. Agroforestry. Water harvesting. Grazing systems. Soil surveys.
Specific activities being carried out:	Land evaluation; Soil and water conservation; Farmer Education.
New activities planned:	Agroforestry, water harvesting on a small scale, controlled grazing soil survey.
Publications:	None.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	M906
Name:	Ministry of Livestock Development
Address:	P.O. Box 9152, Dar-es-Salaam, TANZANIA
Cable/Telex:	
Telephone:	272 31, 292 81
Name of the Head of the Organ:	Dr. R.L. Masoki
Title:	Principal Secretary
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Animal production. Animal health. Livestock. Rangelands. Soil management. Water resources. Pastures. Land reclamation. Animal diseases. Land conservation. Training and education. Pest control. Animal adaptation.
Specific activities being carried out:	Importation and breeding of exogenous breeds; Soil preservation.
New activities planned:	
Publications:	"Tanzania Society of Animal Production" (annual), "Ukulima" (monthly), "Progressive Stockman".
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	M911
Name:	Centre for Agricultural Mechanization and Rural Technology
Address:	P.O. Box 764, Arusha, TANZANIA
Cable/Telex:	-/42115
Telephone:	35 94, 36 66
Name of the Head of the Organ:	Mr. E. M. Ngaiza
Title:	Director General
No. of Professionals:	30
Main Internal Organization:	
Subject Areas of Concern:	Energy. Alternate energy. Biogas technology. Agricultural mechanization.
Specific activities being carried out:	Biogas generation; Construction of efficient cooking stoves; Biomass conversions; Energy efficient usage programmes.
New activities planned:	
Publications:	- "CAMARTEC in Action", "Biogas and Cookstoves Fliers"
Sources of Support:	Government, GATE/GTZ.
Fixed Experimental stations and their activities:	- Tengeru.
Source of Information:	R

Code:	M912
Name:	Tanzania National Scientific Research Council
Address:	P.O. Box 4302, Dar-es-Salaam, TANZANIA
Cable/Telex:	UTAFITI DAR-ES-SALAAM/41177
Telephone:	258 02, 233 79, 233 49
Name of the Head of the Organ:	Prof. A. Msangi
Title:	Director General
No. of Professionals:	13
Main Internal Organization:	
Subject Areas of Concern:	Environment. Appropriate technology, Biogas technology. Wind power. Environmental effects. Erosion control. Alternate energy. Fuelwood. Deforestation.
Specific activities being carried out:	Initiation of a number of projects related to the environment eg: the adaptation/ adoption of appropriate energy technologies such as windmills and biogas; The latter is intended to provide alternative energy to fuelwood as a measure against deforestation and environmental degradation.
New activities planned:	
Publications:	Bulletin of research and information, annual report, technical reports.
Sources of Support:	Government, SIDA.
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	N003
Name:	Institut des Regions Arides (IRA)
Address:	B.P. 4119, Médenine, TUNISIA
Cable/Telex:	
Telephone:	(05) 406 61, 404 35
Name of the Head of the Organ:	A.M. El Hamrouni
Title:	Président - Directeur Général
No. of Professionals:	17
Main Internal Organization:	Directorates of: Training and research; Popularization; Information and documentation.
Subject Areas of Concern:	Erosion control. Remote sensing. Pastoralism. Pastures. Desert ecology. Livestock. Ecology. Arid lands management and development. Irrigated agric.. Economic development. Rural dev. and planning. Training and education in lands and soils.
Specific activities being carried out:	Erosion studies; Remote sensing; Pastoral ecology; Livestock development in arid zones; Irrigated agriculture; Economic development.
New activities planned:	
Publications:	"Cahiers de l'IRA", "Bulletin Technique de l'IRA", and "Bulletin des Régions Arides
Sources of Support:	Government, UNEP.
Fixed Experimental stations and their activities:	- At: Médenine; Ben Gardane; Gabes; Kébili; Tataouine; Tuzeur.
Source of Information:	R

Code:	N004
Name:	Institut National de la Recherche Agronomique de Tunisie (INRAT)
Address:	Avenue de l'Indépendence, Ariana, TUNISIA
Cable/Telex:	
Telephone:	23 00 24, 23 19 85, 23 16 93.
Name of the Head of the Organ:	Mr. M. Lasran
Title:	Directeur de l'INRAT
No. of Professionals:	65
Main Internal Organization:	
Subject Areas of Concern:	Agronomy. Plants. Forestry. Plant studies. Plant genetics. Economics. Bioclimatology. Entomology. Chemistry. Nutrition. Physiology.
Specific activities being carried out:	Amelioration of field crops, vegetables and fruits; Protection of vegetation; Entomology; Virology; Ecology-agronomy (bioclimatology, agronomy, chemistry); Zootechnical-agronomy (bioclimatology, agronomy, chemistry); Zootechniques (genetics, physiology,chemistry); Nutrition; Economics and biometrics.
New activities planned:	
Publications:	"Annales de l'INRAT" (annual), technical reports, "Bulletin de l'INRAT".
Sources of Support:	Own resources, Government.
Fixed Experimental stations and their activities:	23 stations.
Source of Information:	R

Code:	N005
Name:	Institut National des Recherches Forestières (INRF)
Address:	B.P. 2 ,Ariana 2080, TUNISIA
Cable/Telex:	TUNIREB/-
Telephone:	23 00 14, 23 00 39, 23 04 20, 23 67 90, 23 00 76
Name of the Head of the Organ:	M.H. Hamza
Title:	Ingénieur Général des Forêts
No. of Professionals:	38 Technicians.
Main Internal Organization:	
Subject Areas of Concern:	Forestry. Pastoralism. Grazing. Grasslands. Rangelands. Ecosystems. Ecology. Pastures. Forests.
Specific activities being carried out:	Studies of the forest ecosystems of Tunisia.
New activities planned:	Amendment of silvipastoral zones and ecological studies of forests and pastures of Tunisia.
Publications:	"Notes de Recherche", technical reports and "Annales de l'INRF".
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Ain Draham; - Sedjenane; - Gabès.
Source of Information:	R

Code:	N006
Name:	Direction des Forêts, Min. de l'Agriculture
Address:	30 rue Alain Savary, Tunis, TUNISIA
Cable/Telex:	
Telephone:	68 04 54, 28 25 50
Name of the Head of the Organ:	T. Jalel
Title:	Directeur
No. of Professionals:	Eight.
Main Internal Organization:	
Subject Areas of Concern:	Reafforestation. Sand control. Pastoralism. Rangelands. Sand dunes. Oases. Land reclamation.
Specific activities being carried out:	Dev. and amendment of pastoral lands in the arid zones; Protection of oases against sand encroachment.
New activities planned:	Preparation of a national strategy to combat desertification.
Publications:	
Sources of Support:	Government, UNDP, UNESCO.
Fixed Experimental stations and their activities:	IRA Médenine.
Source of Information:	R

Code:	N100
Name:	Ministry of Agriculture and Forestry
Address:	P.O. Box 102, Entebbe, UGANDA
Cable/Telex:	
Telephone:	209 81
Name of the Head of the Organ:	
Title:	Permanent Secretary
No. of Professionals:	4000
Main Internal Organization:	Department of Agriculture and Department of Forestry.
Subject Areas of Concern:	Foods. Soil management and conservation. Water conservation. Forestry. Afforestation. Training and education in agriculture, soils and water.
Specific activities being carried out:	Food, soil and water conservation research; Training and extension; Afforestation programmes.
New activities planned:	
Publications:	Annual reports.
Sources of Support:	Government, loans and grants.
Fixed Experimental stations and their activities:	- Kawanda; - Namulange; - Serere; - Nakawa.
Source of Information:	R

Code:	N101
Name:	Dept. of Forestry,Makerere Univ.
Address:	P.O. Box 7062, Kampala, UGANDA
Cable/Telex:	MAKUNIKA/-
Telephone:	569 31
Name of the Head of the Organ:	Dr. D.B.A. Ruyooka
Title:	Associate Professor
No. of Professionals:	8
Main Internal Organization:	
Subject Areas of Concern:	Forests. Forest management. Training and education. Agroforestry. Wood management.
Specific activities being carried out:	Teaching; 20-30 students graduate every year.
New activities planned:	Research in agroforestry and forest/wood protection.
Publications:	"Mufa Newsletter" (quarterly).
Sources of Support:	Government.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	N102
Name:	Geography Dept., Makerere Univ.
Address:	P.O. Box 7062, Kampala, UGANDA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Dr. V. Mwaka
Title:	Head of Department
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Training and education. Drought. Desertification.
Specific activities being carried out:	Lectures to undergraduate students on desertification problems; Drought in tropical areas.
New activities planned:	
Publications:	None.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	One small teaching climatological station.
Source of Information:	R

Code:	N103
Name:	Dept. of Veterinary, Pasture and Range Management
Address:	P.O. Box 112, Entebbe, UGANDA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Dr. Nasaba
Title:	Director
No. of Professionals:	11
Main Internal Organization:	
Subject Areas of Concern:	Livestock. Pastures. Rangelands. Animal diseases. Animal heath. Animal production. Ecology. Agronomy. Grazing.
Specific activities being carried out:	Protection on range utilization and camel husbandry in Kasanoja.
New activities planned:	
Publications:	
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	N104
Name:	Water Development Department
Address:	P.O. Box 19, Entebbe, UGANDA
Cable/Telex:	AQUATIC ENTEBBE/-
Telephone:	(042) 208 52, 209 14
Name of the Head of the Organ:	Eng. B.K. Kabanda
Title:	Commissioner
No. of Professionals:	50
Main Internal Organization:	
Subject Areas of Concern:	Climatology. Meteorology. Hydrology. Hydrogeology. Mapping and cartography. Hydrogeologic maps. Water resources. Groundwater.
Specific activities being carried out:	Hydrometeorological monitoring and research; Ground water survey and drilling.
New activities planned:	Rehabilitation and strengthening of the hydrometeorological network and research in northern Uganda, preparation of hydrological maps.
Publications:	Hydrological data summaries and reports.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Hydrometeorological network: data collection.
Source of Information:	R

Code:	N105
Name:	Forest Research Institute
Address:	P.O. Box 1752, Kampala UGANDA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	M. Oloya
Title:	Principal Research Officer
No. of Professionals:	16
Main Internal Organization:	
Subject Areas of Concern:	Agroforestry. Wood technology. Wood management. Forestry. Forests. Forest products.
Specific activities being carried out:	Preservation, seasoning and wood working tests; Logging, milling and building research; Silviculture control of natural forests and man-made plantations.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)R

Code:	N107
Name:	Nakawa Forestry Research Institute
Address:	P.O. Box 1752, Kampala, UGANDA
Cable/Telex:	
Telephone:	56262/1, 31912
Name of the Head of the Organ:	M. Oloya
Title:	Principal Research Officer
No. of Professionals:	16
Main Internal Organization:	
Subject Areas of Concern:	Forestry. Rural development and planning. Trees. Desertification control.
Specific activities being carried out:	Desertification control through rural community forestry development in Karamoja District.
New activities planned:	Tree planting and protection of established vegetation in other arid areas of the country.
Publications:	None.
Sources of Support:	EEC, ILO, UNSO.
Fixed Experimental stations and their activities:	- Kotido; - Kaabong; - Moroto.
Source of Information:	R

Code:	N109
Name:	Uganda Institute of Ecology
Address:	P.O. Box 22, Lake Katwe, UGANDA
Cable/Telex:	NATPARKS/-
Telephone	
Name of the Head of the Organ:	Dr. E.L. Edroma
Title:	Chief Research Officer/Director
No. of Professionals:	9
Main Internal Organization:	Uganda National parts.
Subject Areas of Concern:	Wildlife. Forests. Vegetation. Ecosystems. Environment. Animal distribution. Animal populations. Conservation. Habitats. Deforestation.
Specific activities being carried out:	Studies on the distribution and population size of wild animals; Dynamics of the vegetation and animal ecosystems; Environmental factors
New activities planned:	Fire science in natural ecosystems, pollution studies, human-wildlife interaction, intensification on environmental, conservation and education programmes.
Publications:	Over 300 monographs.
Sources of Support:	Government and international agencies.
Fixed Experimental stations and their activities:	- Mweya: Research on wildlife conservation, deforestation studies; - Paraa: Regeneration of terminalia trees; - Lake Mburo: Habitat utilization by wild game.
Source of Information:	R

Code:	N110
Name:	Forestry Department
Address:	P.O. Box 31, Entebbe, UGANDA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Mr. K. Karani
Title:	Chief Forest Officer
No. of Professionals:	5
Main Internal Organization:	
Subject Areas of Concern:	Forests. Forestry. Agroforestry. Forest management. Rural development and planning. Desertification control.
Specific activities being carried out:	A desertification control project in co-operation with UNSO.
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)R

Code:	N203
Name:	Centre d'Etudes Económiques et Sociales de l'Afrique de l'Ouest (CESAO)
Address:	B.P. 305, Bobo-Dioulasso, BURKINA FASO
Cable/Telex:	
Telephone:	99 04 90, 99 04 91
Name of the Head of the Organ:	J. Vankrunkelsven
Title:	Directeur
No. of Professionals:	21
Main Internal Organization:	
Subject Areas of Concern:	Rural development and planning. Health. Social aspects.
Specific activities being carried out:	Projects on rural development, health and women; Activities in rural areas; Co-operatives.
New activities planned:	
Publications:	"Appui au Monde Rural".
Sources of Support:	Government and humanitarian aid from Switzerland.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	N204
Name:	Centre Technique Forestier Tropical
Address:	B.P. 1769, Ouagadougou, BURKINA FASO
Cable/Telex:	
Telephone:	33 46 36
Name of the Head of the Organ:	D. Framond
Title:	Directeur
No. of Professionals:	3
Main Internal Organization:	
Subject Areas of Concern:	Forestry. Wood technology. Forest management. Wood management. Agroforestry. Plant genetics.
Specific activities being carried out:	Genetical improvement; Symbiotic relationships; Wood technology; Forestry; Dendrography.; Agroforestry.
New activities planned:	
Publications:	Annual reports, diverse notes.
Sources of Support:	Government and French government.
Fixed Experimental stations and their activities:	- Gonse and Dinderesso: Plant genetic improvement, agroforestry;
Source of Information:	R

Code:	N205
Name:	Centre d'Etudes Phytosociologiques et Ecologiques L. Emberger
Address:	Ouagadougou, BURKINA FASO
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	
Title:	Director
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Plant ecology. Climatology. Vegetation. Mapping and cartography. Desertification control.
Specific activities being carried out:	
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(2)

Code:	N206
Name:	Centre National de la Recherche Scientifique et Technologie
Address:	B.P. 7047, Ouagadougou, BURKINA FASO
Cable/Telex:	
Telephone:	323 94, 323 95
Name of the Head of the Organ:	E. Bon Koungou
Title:	Director
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Agronomy. Forestry. Animal production. Ecology. Forestry. Reafforestation. Soil management. Water conservation. Social aspects.
Specific activities being carried out:	Research in social sciences, agronomy, biology, forestry, zootechnology; Introducion of eucalyptus to the Sudano-Sahelian zone; Reafforestation and soil and water conservation; Supervises and participates in the activities of Institut Voltaique de Recherche Agronomique et Zootechnique, Inst. de Recherche en Biologie et Ecologie Tropicale, Inst. de Recherche en Sciences Sociales et Humaines;
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	N207
Name:	Centre Burkinabe de la Recherche Scientifique
Address:	BP 6, Ouagadougou, BURKINA FASO
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	
Title:	Directeur
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Economic development. Social aspects. Desertification control. Ecology. Settlements.
Specific activities being carried out:	
New activities planned:	
Publications:	
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	N208
Name:	Centre Régional de Télédetection
Address:	B.P. 1762, Ouagadougou, BURKINA FASO
Cable/Telex:	
Telephone:	33 50 91, 33 51 39
Name of the Head of the Organ:	L. Okio
Title:	Directeur Général
No. of Professionals:	8
Main Internal Organization:	
Subject Areas of Concern:	Natural resources. Agriculture. Geology. Hydrogeology. Settlements. Training and education. Remote sensing.
Specific activities being carried out:	Agriculture; Geology; Professional training in remote sensing; Human settlements.
New activities planned:	Management of satellite data, organization of congresses and seminars.
Publications:	"Bulletin de Télédetection", (quarterly)
Sources of Support:	African governments, bilateral assistance.
Fixed Experimental stations and their activities:	- Ouagadougou.
Source of Information:	R

Code:	N209
Name:	Comité Interafricain d'Etudes Hydrauliques - CIEH
Address:	B.P. 369, Ouagadougou, BURKINA FASO
Cable/Telex:	5266 UV
Telephone:	33 35 18, 33 34 76
Name of the Head of the Organ:	Mr. A. Hassan
Title:	Secrétaire Général
No. of Professionals:	15
Main Internal Organization:	Intergovernmental organisation.
Subject Areas of Concern:	Water resources. Hydrology. Hydrogeology. Climatology. Water supply. Water conservation. Water quality.
Specific activities being carried out:	Numerous studies on: Hydrology; Hydrogeology; Climatology; Urban and agricultural hydraulics; Purification.
New activities planned:	
Publications:	"Bulletin de Liaison du CIEH" (quarterly); Technical reports.
Sources of Support:	12 member Governments, UNDP, USAID UNESCO.
Fixed Experimental stations and their activities:	- Ouagadougou.
Source of Information:	R

Code:	N210
Name:	Institut de Recherche en Biologie et Ecologie Tropicale (IRBET)
Address:	IRBET, B.P. 7047, Ouagadougou, BURKINA-FASO
Cable/Telex:	
Telephone:	33 23 94
Name of the Head of the Organ:	E.G. Bonkoungou
Title:	Directeur
No. of Professionals:	10
Main Internal Organization:	
Subject Areas of Concern:	Ecology. Forestry. Training and education in environment and lands. Forest management. Grasslands. Savannas. Agroforestry. Ecosystems.
Specific activities being carried out:	Research on the structure and function of savanna ecosystems; Research in natural forestry and plantations.
New activities planned:	Agroforestry, forest genetics, national herbarium.
Publications:	"Revue du Centre National de la Recherche Scientifique", (regular publication).
Sources of Support:	Government, bilateral and multilateral agreements.
Fixed Experimental stations and their activities:	- Ouagadougou; - Bobo-Dioulasso.
Source of Information:	R

Code:	N211
Name:	Comité Permanent Inter-Etats de la Lutte Contre la Secheresse dans le Sahel (CILSS)
Address:	B.P. 7049, Ouagadougou, BURKINA FASO
Cable/Telex:	
Telephone:	33 69 88, 33 48 70, 33 43 55,. 33 42 52
Name of the Head of the Organ:	M. Brah
Title:	Secrétaire Executif
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Rural development and planning. Desertification control. Drought.
Specific activities being carried out:	Planning; Strategy preparation; Co-ordination; Fund raising; Programme evaluation on rural development and Desertification control.
New activities planned:	Preparation of national plans of action to combat desertification for its eight member states.
Publications:	Through the Institut du Sahel.
Sources of Support:	Government members, bilateral aid, UN aid.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	N212
Name:	Direction de l'Aménagement Forestière et du Reboissement
Address:	Ministère de l'Environnement et du Turisme B.P. 7044, Ouagadougou, BURKINA FASO
Cable/Telex:	
Telephone:	33 32 13
Name of the Head of the Organ:	Mr. J. Zongo
Title:	Ingénieur des Eaux et Forêts
No. of Professionals:	21
Main Internal Organization:	Department of the General Secretariat of the Ministry of the Environment and Tourism.
Subject Areas of Concern:	Forestry. Wood management. Wood technology. Fuelwood. Agroforestry.
Specific activities being carried out:	Studies and implementation of forest development plans; Agroforestry; Management and control of planted forest areas; Dissemination of low cost stoves.
New activities planned:	Popularization of agroforestry techniques.
Publications:	Bi-annual reports, annual reports, technical documents.
Sources of Support:	Government, World Bank, foreign governments such as Switzerland, Sweden, F.R. Germany.
Fixed Experimental stations and their activities:	- Gampela: Agroforestry systems, in coop. with other institutions such as Inst. Burkinabe d'Energie and Centre National de Sciences Forestières.
Source of Information:	R

Code:	N213
Name:	CIRAD-IRAT
Address:	P.B. 596, Ouagadougou, BURKINA FASO
Cable/Telex:	
Telephone:	33 30 00
Name of the Head of the Organ:	R. Nicou
Title:	Directeur
No. of Professionals:	9
Main Internal Organization:	
Subject Areas of Concern:	Crop production. Horticulture. Agriculture. Crop response. Cultivation systems.
Specific activities being carried out:	Research on sorghum, maize, horticultural products, water pumps and agricultural systems adapted to semi-arid zones.
New activities planned:	
Publications:	"Agronomie Tropicale".
Sources of Support:	Government and French Government.
Fixed Experimental stations and their activities:	- Saria; - Faraico BA.
Source of Information:	R

Code:	N214
Name:	Institut Géographique de Burkina Faso
Address:	B.P. 7054, Ouagadougou, BURKINA FASO
Cable/Telex:	EQUIPEMENT-IGB / 5555 BF-MINISTERE
Telephone:	33 58 68, 33 59 16
Name of the Head of the Organ:	R. Pare
Title:	Directeur Général
No. of Professionals:	54
Main Internal Organization:	
Subject Areas of Concern:	Topography. Mapping and cartography.
Specific activities being carried out:	Cartographic project of 1:50 000 of the main Burkina River Basin; Aerial photography; Cartographic work; Design and road studies.
New activities planned:	
Publications:	None.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	Ouagadougou.
Source of Information:	R

Code:	N215
Name:	Inst. Français de Recherche Scientifique pour le Développement en Co-opération (ORSTOM)
Address:	B.P. 182, Ouagadougou, BURKINA-FASO
Cable/Telex:	CAISCOP/ 5271 BF
Telephone:	33 62 84, 33 21 14
Name of the Head of the Organ:	Dr. M. Grouzis
Title:	Directeur
No. of Professionals:	18
Main Internal Organization:	
Subject Areas of Concern:	Climatology. Animal ecology. Hydrology. Agronomy. Social aspects. Environment.
Specific activities being carried out:	Study of Sahelian and Sudanian environments; Basic research on the structure, functioning and dynamics of the environment and societies.
New activities planned:	Development of programmes in certain areas of the country in relation to the dynamics of space use.
Publications:	Reports and other series from ORSTOM.
Sources of Support:	95% from Ministry of Research and Technology of France, 5% from other sources.
Fixed Experimental stations and their activities:	- Centre de Ouagadougou; - Centre de Recherche Pluridisciplinaire; - Station de la Marc d'Oursi; - Antenne de Bobo-Dioulasso.
Source of Information:	R

Code:	N216
Name:	Société Africaine d'Etudes et Développement
Address:	P.B. 593, Ouagadougou, BURKINA-FASO
Cable/Telex:	-/1111 or 1112 BCTR BURKINA-FASO
Telephone:	53 31 87
Name of the Head of the Organ:	B. Soulimawe
Titlee:	Sociologue, Directeur-Général Adjoint
No. of Professionals:	4
Main Internal Organization:	
Subject Areas of Concern:	Reafforestation. Economics. Deforestation. Social aspects. Forest management.
Specific activities being carried out:	A project of national exploitation of protected forests; A socio-economic study of the Thiogo protected forest.
New activities planned:	
Publications:	
Sources of Support:	Contracts.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	N217
Name:	Bureau Régional de l'UNSO
Address:	B.P. 366, Ouagadougou, BURKINA FASO
Cable/Telex:	-/5262 BF
Telephone:	33 67 81
Name of the Head of the Organ:	E.P. Nzekio
Title:	Chef du Bureau Regional
No. of Professionals:	6
Main Internal Organization:	Part of UNDP, New York.
Subject Areas of Concern:	Desertification control. Natural resources. Irrigation. Agriculture. Cattle. Forage production. Forage plants. Animal health. Environment. Sand dunes. Renewable energy. Forestry. Reafforestation. Afforestation. Water resources. Water management. Drought.
Specific activities being carried out:	Identification and project formulation within the fields of desertification, environmental protection and drought.
New activities planned:	Assist 21 countries to prepare the plan of action to combat desertification, monitoring and supervising on-going projects, programming new projects.
Publications:	Annual report, and report on priority projects of CILSS countries.
Sources of Support:	Special funds of UNSO, direct contributions from country donors to specific projects. UNEP.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	N218
Name:	Eclaireuses - Eclaireurs de Burkina Faso
Address:	B.P. 2500, Ouagadougou, BURKINA FASO
Cable/Telex:	
Telephone:	(33) 59 80
Name of the Head of the Organ:	S. Lingani
Title:	Délégue Général
No. of Professionals:	427 members
Main Internal Organization:	General Administration/Executive Bureau; Regions and Units
Subject Areas of Concern:	Environmental training and education. Afforestation. Reafforestation. Greenbelts.
Specific activities being carried out:	"Operation Faso Vert": Planting and protection of plants, supervision of youth in villages.
New activities planned:	Lenlo forest: project to replant 10000 seedlings in the framework of International Youth Year .
Publications:	"Lenlo Scout" (training bulletin).
Sources of Support:	Government, World Scout Federation.
Fixed Experimental stations and their activities:	Zenlo, Forest of Bullole: experiments on indigenous species.
Source of Information:	R

Code:	N219
Name:	Centre de Formation Maraîchère Adventiste - Bazega
Address:	B.P. 592, Ouagadougou, BURKINA FASO
Cable/Telex:	
Telephone:	33 60 78
Name of the Head of the Organ:	G. Oliver
Title:	
No. of Professionals:	2
Main Internal Organization:	Private school attached to the Adventist Church.
Subject Areas of Concern:	Horticulture. Training and education. Food supply. Relief activities.
Specific activities being carried out:	Operating a health centre; Distribution of aid food; Horticultural training.
New activities planned:	
Publications:	
Sources of Support:	Sale of agricultural products from the school, trust funds of the Adventist Church.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	N220
Name:	Institut Panafricain pour le Développement, Direction Régionale Afrique de l'Ouest-Sahel (IPD/AOS)
Address:	B.P. 1756, Ouagadougou, BURKINA FASO
Cable/Telex:	PANINSTIT/-
Telephone:	33 68 73, 33 69 25
Name of the Head of the Organ:	M. Fall
Title:	Directeur
No. of Professionals:	14
Main Internal Organization:	
Subject Areas of Concern:	Rural development and planning. Land resources. Land management. Land evaluation. Training and education. Social aspects. Agronomy.
Specific activities being carried out:	Post-graduate course on regional planning and land development; Short seminars; Field research.
New activities planned:	Long and short-term training courses on planning and land development, studies and consultations, research and dev, socio-economic surveys, agronomic surveys.
Publications:	Monographs and books.
Sources of Support:	African states (20%), western countries (Switzerland, France, USA, Canada, F.R. Germany, Netherlands, Belgium, etc.) through aid agencies, international organizations (UNDP, UNICEF, FAO, etc.) and foundations (ISI, FORD, etc.)
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	N221
Name:	Se Servir de la Saison Seche en Savanne et au Sahel
Address:	B.P. 100, Ouhigouya, BURKINA FASO
Cable/Telex:	B.P. 100 Ouahigouya (Burkina Faso)/-
Telephone	
Name of the Head of the Organ:	L.B. Ovedraogo
Title:	Sècretaire Général Exécutif
No. of Professionals:	
Main Internal Organization:	Federation of Farmers Unions of Senegal, Mali, Burkina Faso.
Subject Areas of Concern:	Catchments. Forests. Soil amendment. Soil management. land reclamation. Agricultural products.
Specific activities being carried out:	Water catchments; Tree planting; Soil protection; Land reclamation; Vegetable marketing.
New activities planned:	
Publications:	
Sources of Support:	Government and other sources.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	N300
Name:	Department of Agriculture, Ministry of Agriculture and Water Development
Address:	Mlungushi House P.O. Box RW 50291, Lusaka, ZAMBIA
Cable/Telex:	
Telephone:	21 35 51
Name of the Head of the Organ:	Mr. N.E. Mumba
Title:	Director of Agriculture
No. of Professionals:	19
Main Internal Organization:	
Subject Areas of Concern:	Land use. Agriculture. Soil surveys. Demography. Resevoirs. Mapping and cartography. Water supply. Agricultural mechanization. Water resources.
Specific activities being carried out:	Farm plans, demarcations and budgets; Soil surveys (systematic and ad hoc); Topographic and demographic surveys; Design and construction of dams, weirs, contours, farm ponds, irrigation layouts including unlined furrows; Production of mosaics and other cartographic and photographic materials for agricultural planning; National advisory services covering farm and livestock buildings, farm water supplies (reservoirs) and agricultural mechanization.
New activities planned:	
Publications:	"Farming in Zambia" (quarterly).
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	N302
Name:	Biology Department, University of Zambia
Address:	P.O. Box 32379, Lusaka, ZAMBIA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Dr. J.N. Zulu
Title:	Head
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Ecology. Plant biology. Training and education in animals and environment. Vegetation. Conservation. Wildlife.
Specific activities being carried out:	Vegetation conservation studies; Evaluation of wildlife conservation programme.
New activities planned:	
Publications:	None.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	N303
Name:	Geography Dept., University of Zambia
Address:	P.O. Box 32379, Lusaka, ZAMBIA
Cable/Telex:	-/ZA 44370
Telephoe:	
Name of the Head of the Organ:	Dr. E.S. Kalapula
Title:	Head of Department
No. of Professionals:	16
Main Internal Organization:	
Subject Areas of Concern:	Agriculture. Rural development and planning. Fuelwood. Energy.
Specific activities being carried out:	Student projects for M.A. and MSc.; research work.
New activities planned:	
Publications:	"Zambia Geographical Journal", school supplement, newsletter.
Sources of Support:	Various.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	N304
Name:	Division of Forest Research
Address:	P.O. Box 22099, Kitwe, ZAMBIA
Cable/Telex:	SILVIC KITWE/-
Telephone:	Kitwe 21 10 88
Name of the Head of the Organ:	Dr. G.D. Piearce
Title:	Acting Chief Forest Research Officer.
No. of Professionals:	Nine.
Main Internal Organization:	Nine research sections.
Subject Areas of Concern:	Forestry. Botany. Ecology. Entomology. Pathology. Soil science. Reafforestation.
Specific activities being carried out:	Numerous research projects in accordance with national and local policies and programmes.
New activities planned:	Rehabilitation of the Zambezi Teak Forest.
Publications:	Forest research bulletins, Pamphlets and notes.
Sources of Support:	Governments, international agencies such as Finish International Development Agency, International Development Research Centre.
Fixed Experimental stations and their activities:	- Chat and Dola Hill; - Siomambo; - Teak Forest.
Source of Information:	R

Code:	N305
Name:	Natural Resources Department
Address:	Box 50042, Lusaka, ZAMBIA
Cable/Telex:	NATRES/-
Telephone:	21 34 05
Name of the Head of the Organ:	Mr. E.N. Chidumayo
Title:	Conservator of Natural Resources.
No. of Professionals:	10
Main Internal Organization:	
Subject Areas of Concern:	Soil conservation. Deforestation. Environmental education. Catchments. Natural resources.
Specific activities being carried out:	Deforestation monitoring; Catchment management; research in natural resources.
New activities planned:	
Publications:	Monographs and brochures (occasional).
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	N307
Name:	Water Resources Research Unit
Address:	NCSR, P.O. Box CH.158, Chelston, Lusaka ZAMBIA
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	Dr. T.C. Sharma
Title:	Head
No. of Professionals:	10
Main Internal Organization:	
Subject Areas of Concern:	Hydrology. Water resources. Water quality. Water management. Water pollution. Soil erosion. Catchments. Runoff. Groundwater.
Specific activities being carried out:	Hydrologic studies in the Kafue head waters; Water resource inventory of the Kafue basin; Water pollution and control studies.
New activities planned:	Catchment studies in southern Zambia, soil erosion studies.
Publications:	"Zambia Journal of Science and Technology", technical reports.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Luane Catchment Research Station, Zambian copper belt: Monitoring rainfall, runoff, ground-water.
Source of Information:	R

Code:	N400
Name:	Zimbabwe College of Forestry, Forestry Commission
Address:	P.O. Box 660, Mutare, ZIMBABWE
Cable/Telex:	
Telephone:	Mutare 643 28, 643 51
Name of the Head of the Organ:	R.L. Hopper
Title:	Principal
No. of Professionals:	Eight.
Main Internal Organization:	
Subject Areas of Concern:	Forestry. Training and education. Soil. Soil types. Soil conservation. Environment.
Specific activities being carried out:	Forestry training at diploma level (2-years) and forest ranger level (1-year).
New activities planned:	Updating training material.
Publications:	None.
Sources of Support:	Government, FAO.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	N401
Name:	Zimbabwe National Conservation Trust
Address:	P.O. Box 8575, Causeway, ZIMBABWE
Cable/Telex:	SABLES/-
Telephone:	Harare 700 300
Name of the Head of the Organ:	Hor. J.C. Graylin
Title:	Chairman
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Natural resources. Training and education. Soil erosion. Wildlife management.
Specific activities: being carried out:	In connection with a wide range of Government and NGO projects on soil erosion, siltation of dams and rivers.
New activities planned:	Wildlife capture control and translocation, vulture research, development of recreation areas.
Publications:	"The Conservationist" (bi-monthly).
Sources of Support:	Industrial and commercial enterprises, banks, international organizations.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	N402
Name:	Department of Biological Sciences, University of Zimbabwe
Address:	P.O. Box PM 167, Mount Pleasant, Harare ZIMBABWE
Cable/Telex:	UNIVERSITY/4-152 ZM
Telephone:	30 32 11 extn. 446
Name of the Head of the Organ:	Prof. M.J. Swift
Title:	Chairman, Dept. of Biological Sciences
No. of Professionals:	22
Main Internal Organization:	Divisions of: Botany; Ecology; Microbiology; Entomology; Zoology.
Subject Areas of Concern:	Botany. Ecology. Vegetation. Soil-water-plant relationships. Grazing. Mapping and cartography. Nutrients. Nitrogen cycle. Catchments. Soil sciences.
Specific activities being carried out:	Vegetational mapping and classification.
New activities planned:	Nutrient cycling studies, studies on effects of grazing on vegetation and soil, catchment studies.
Publications:	Mainly papers in scientific periodicals.
Sources of Support:	Government and foreign aid.
Fixed Experimental stations and their activities:	- University Lake Kariba Field Station: Catchment studies.
Source of Information:	R

Code:	N403
Name:	University of Zimbabwe
Address:	P.O. Box M.P. 167, Harare, ZIMBABWE
Cable/Telex:	
Telephone:	30 32 11 extn. 265
Name of the Head of the Organ:	Dr. C.C. Mutambirwa
Title:	Chairman
No. of Professionals:	9
Main Internal Organization:	
Subject Areas of Concern:	Soil degradation. Rural development and planning. Agriculture. Land evaluation. Land surveys.
Specific activities being carried out:	Land degradation survey of Zimbabwe; Study of uses and degradation of wetlands; Development of agricultural co-operatives.
New activities planned:	
Publications:	Technical papers published through various journals e.g. Geographical Proceedings of Zimbabwe, Zimbabwe Agricultural Journal.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	N404
Name:	Department of Land Management University of Zimbabwe
Address:	P.O. Box MP 167, Mount Pleasant, Harare ZIMBABWE
Cable/Telex:	UNIVERSITY/4152 ZW
Telephone:	30 32 11 ext. 412
Name of the Head of the Organ:	Dr. K.W. Nyamapfene
Title:	Chairman
No. of Professionals:	11
Main Internal Organization:	Teaching and research.
Subject Areas of Concern:	Land use. Conservation. Reclamation.
Specific activities being carried out:	Design of appropriate land management practices for the Zambezi Valley semi-arid region.
New activities planned:	
Publications:	In preparation.
Sources of Support:	Government, grants from Ford Foundation, IDRC.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	N405
Name:	Department of National Parks and Wildlife Management
Address:	P.O. Box 8365, Causeway, ZIMBABWE
Cable/Telex:	PARKLIFE ZIMBABWE/-
Telephone:	70 76 24
Name of the Head of the Organ:	Dr. G.F.T. Child
Title:	Director
No. of Professionals:	
Main Internal Organization:	Within Ministry of Natural Resources and Tourism.
Subject Areas of Concern:	Conservation. Wildlife management. Flora. Fauna. Water conservation. Soil conservation. Fisheries. Biomes. Ecosystems. Ecology.
Specific activities being carried out:	Research on soils and aquatic and terrestrial ecosystems; Management and utilization of wildlife resources including fisheries.
New activities planned:	Creation of Biosphere reserves with the guidance of the National MAB Committee.
Publications:	None.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- Sengwa Research Station; - Kariba Fisheries Research Institute with aquatic sub-stations scattered throughout the country.
Source of Information:	R

Code:	N408
Name:	Ministry of Natural Resources and Tourism
Address:	P.O. Box 8070, Causeway, Harare ZIMBABWE
Cable/Telex:	
Telephone:	70 44 55
Name of the Head of the Organ:	M. Tagwireyi
Title:	Permanent Secretary
No. of Professionals:	15
Main Internal Organization:	Department of Natural resources.
Subject Areas of Concern:	Reafforestation. Land reclamation. Grazing systems. Overgrazing. Soil erosion. Arable lands. Soil surveys. Wood management. Soil conservation.
Specific activities being carried out:	Encouraging conservation of arable lands; Promoting grazing schemes, reafforestation and land reclamation.
New activities planned:	Consolidating gardening on a co-operative basis, soil loss surveys, establishing village woodlots.
Publications:	Various, on general matters.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	N409
Name:	Department of Rural Development
Address:	P.B. 7743, Causeway, Harare ZIMBABWE
Cable/Telex:	2465 LANDS ZW
Telephone:	(Harare) 70 05 96
Name of the Head of the Organ:	S. Geza
Title:	Director
No. of Professionals:	35
Main Internal Organization:	Within Ministry of Lands.
Subject Areas of Concern:	Rural development and planning. Settlements. Irrigation programmes. Reclamation. Land use. Land management.
Specific activities being carried out:	Resettlement with associated land development, irrigation, and planning.
New activities planned:	Communal area re-development, reclamation.
Publications:	
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	N410
Name:	Forestry Commission
Address:	P.O. Box 8111, Causeway, Harare ZIMBABWE
Cable/Telex:	FORCOMM
Telephone:	70 62 16
Name of the Head of the Organ:	P. Banks
Title:	Director
No. of Professionals:	38 (Two involved with desertification).
Main Internal Organization:	
Subject Areas of Concern:	Mapping and cartography. Remote sensing. Vegetation.
Specific activities being carried out:	Preparing vegetation maps with remote sensing methods.
New activities planned:	
Publications:	Monographs published through "Zimbabwe Science News".
Sources of Support:	World Bank.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	N411
Name:	Henderson Research Station
Address:	P.B. 2004, Mazowe, ZIMBABWE
Cable/Telex:	AGRIZOE/-
Telephone:	481, 482
Name of the Head of the Organ:	Dr. C.T. McCabe
Title:	Head of Station
No. of Professionals:	17
Main Internal Organization:	
Subject Areas of Concern:	Pastures. Animal husbandry. Cattle. Sheep. Dry farming. Animal health. Animal physiology.
Specific activities being carried out:	Physiological studies on post-partum infertility (artificial insemination and early embryo loss); Intensive husbandry of sheep; Physiological, nutrition and husbandry of dairy cattle; Investigation of dryland fertilized pastures (beef); Investigation of dryland legume pastures.
New activities planned:	Legume-based pastures for low-level milk production, national goat research centre (3 year-French Technical aid), investigation of productivity of indigenous (Sanga) cattle under various systems of management, integrated farming systems research in association with ILCA (3-year programme, extension of initial 15 year programme).
Publications:	Annual reports, handbooks, "Zimbabwe Agricultural Journal" (monthly), "Research Output", occasional papers.
Sources of Support:	Government.
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	N412
Name:	Hlekweni Friends Rural Service Centre
Address:	P.O. Box 708, Bulawayo, ZIMBABWE
Cable/Telex:	
Telephone:	731 62/3
Name of the Head of the Organ:	Mr. M.S. Ncube
Title:	Director
No. of Professionals:	15
Main Internal Organization:	
Subject Areas of Concern:	Training and education. Rural development and planning. Settlements. Agriculture. Appropriate technology.
Specific activities being carried out:	Training in: Agriculture; Carpentry; Metalwork; Building; Appropriate technology and pre-school education.
New activities planned:	Black-smithing.
Publications:	Newsletter (annually).
Sources of Support:	Foreign donors.
Fixed Experimental stations and their activities:	
Source of Information:	R

Code:	N413
Name:	Institute of Agricultural Engineering (The)
Address:	P.O. Box BW 330, Borrowdale, ZIMBABWE
Cable/Telex:	-/2455 AGRIC ZW
Telephone:	88 27 22, 88 31 19, 88 31 18, 88 23 76.
Name of the Head of the Organ:	A.J. Spear
Title:	Chief Engineer, Head of Institute.
No. of Professionals:	11
Main Internal Organization:	Sections of Research; Training and Extension.
Subject Areas of Concern:	Rural dev. and planning. Agriculture. Agricultural engineering. Alternate energy. Agricultural mechanization. Soil management. Water management. Tillage.
Specific activities being carried out:	Soil tillage research/extension; Soil and water engineering research/extension; Alternate energy research/extension; Oxen hand mechanization research and extension.
New activities planned:	
Publications:	Annual report, technical reports (irregular).
Sources of Support:	Government and some assistance from UN and GTE.
Fixed Experimental stations and their activities:	- At the Inst. of Agricultural Engineering.
Source of Information:	R

Code:	N414
Name:	Matopos Research Station
Address:	P.B. K5137, Bulawayo, ZIMBABWE
Cable/Telex:	MATAGRIC
Telephone:	Matopos 2.
Name of the Head of the Organ:	H.K. Ward
Title:	Head of Station.
No. of Professionals:	11
Main Internal Organization:	Research teams of: Range ecology and management; Range livestock; Nutrition; Livestock breeding; Short season crops.
Subject Areas of Concern:	Rangelands. Range management. Ecology. Livestock. Animal production. Grasses. Water use. Cattle. Grazing. Agronomy. Runoff. Sheep.
Specific activities being carried out:	Studies of fire, runoff, water use by range grasses, range utilization by livestock, control of weed species, leuceona and forage legumes, goat browse preferences, beef cattle stocking rates, cattle intake, cattle crossbreeding; Development of Nkone and Tuli indigenous cattle and sheep (non-wool); Cultivor testing and related agronomy practices.
New activities planned:	Goat reproduction, on range cattle/goat productivity, fibre and forage quality evaluation.
Publications:	Annual reports, research papers.
Sources of Support:	Government, international organizations.
Fixed Experimental stations and their activities:	- Itself: Comprising 26000 ha organized in six operational units, it is also the site of SADCC. ICRISAT Regional Centre.
Source of Information:	R

Code:	N416
Name:	Ministry of Energy and Water Resources and Development
Address:	P.B. 7712, Causeway, Harare ZIMBABWE
Cable/Telex:	
Telephone:	70 78 61
Name of the Head of the Organ:	Mr. D. Saunders Dell
Title:	Permanent Secretary
No. of Professionals:	282
Main Internal Organization:	
Subject Areas of Concern:	Energy. Water resources. Water supply. Water management. Afforestation. Rural development and planning. Water allocation. Water harvesting. Sediments. Hydrology.
Specific activities being carried out:	Control and monitoring the operations of agencies which implement the Energy Supply Plan; Technical research and development of energy resources; Demonstration and extension of technologies concerning energy matters; Design and construction of canals and dams; Collection and analysis of hydrological data; Water boring and well sinking for Government; Water supply works in communal lands for private sector .
New activities planned:	Monitoring of sedimentation of major dams, rural afforestation.
Publications:	"Annual Hydrological Yearbook and Summaries".
Sources of Support:	Government.
Fixed Experimental stations and their activities:	- 350 automatic hydrological recording stations; - 236 water level stations; - 70 evaporation stations; - Six sediment measuring stations.
Source of Information:	R

Code:	N418
Name:	Society of Zimbabwe (The)
Address:	P.O. Box 2128, Harare ZIMBABWE
Cable/Telex:	
Telephone:	
Name of the Head of the Organ:	K. Damstra
Title:	Acting Chairman
No. of Professionals:	None
Main Internal Organization:	
Subject Areas of Concern:	Forests. Wood technology. Wood management. Forest management.
Specific activities being carried out:	Education; Preservation of local woodland and forest areas; Woodlot demonstration activities.
New activities planned:	
Publications:	Monthly newsletter.
Sources of Support:	Subscriptions.
Fixed Experimental stations and their activities:	None.
Source of Information:	R

Code:	N420
Name:	Wildlife Society of Zimbabwe
Address:	P.O. Box 3497, Harare, ZIMBABWE
Cable/Telex:	
Telephone:	70 04 51
Name of the Head of the Organ:	
Title:	
No. of Professionals:	
Main Internal Organization:	
Subject Areas of Concern:	Wildlife. Natural resources. Conservation. Forests. Afforestation. Appropriate technology. Pollution. Environmental training and education. Environmental impact.
Specific activities being carried out:	Establ. and manag. of educational nature reserves either alone or in association with governmental or private organizations; Organising lectures, study days and outings; Funding publication of books and magazines; Conservation awareness programmes on deforestation, poaching, wildlife utilization; Film on Mana Pools/Mapata Gorge Controversy; Impact assessment of the Zambezi River; Major accomplishments of the organization in the last five years have been in the field of educational resources.
New activities planned:	
Publications:	"Zimbabwe Wildlife" (quarterly magazine).
Sources of Support:	
Fixed Experimental stations and their activities:	
Source of Information:	(1)

Code:	N500
Name:	INADES-Formation
Address:	B.P. 8, Abidjan 08, IVORY COAST
Cable/Telex:	
Telephone:	44 31 28
Name of the Head of the Organ:	E. du Loisy
Title:	Director
No. of Professionals:	105
Main Internal Organization:	
Subject Areas of Concern:	Rural development and planning. Training and education in agriculture. Animal husbandry. Crop production. Livestock. Social aspects. Ecology. Soil management. Forestry. Afforestation.
Specific activities being carried out:	Correspondence training courses in agriculture; Rural development; Animation for farmers and rural populations covering 10 African countries (Burkina Faso, Burundi, Cameroon, Chad, Ethiopia, Ivory Coast, Kenya, Rwanda, Togo and Zaire.)
New activities planned:	Training and education in ecology, desertification control, afforestation, soil conservation and erosion control.
Publications:	"Agripromo" magazine (quarterly)
Sources of Support:	Donors and revenues from sales.
Fixed Experimental stations and their activities:	
Source of Information:	R

APPENDIX I

QUESTIONNAIRE

MAIL TO: DC/PAC
UNEP
P.O.BOX 30552
NAIROBI,KENYA

DIRECTORY OF INSTITUTIONS DEALING WITH DESERTIFICATION CONTROL AND ARID LANDS DEVELOPMENT.

COUNTRY:.....DATE:.....

NAME OF ORGA-:.....
NIZATION .....

POST ADDRESS: .....
.....

TELEX :..... CABLE:.....

TELEPHONE:.....

TYPE OF ORGANIZATION (X):
GOVERNMENT:... NON-GOV:... U.N.:... INTERNATIONAL:... OTHER:.....

NAME OF EXECUTIVE OFFICER (MR/MS):.....

TITLE OF POST:.....

TOTAL STAFF:.....
NUMBER OF PROFESSIONALS WORKING IN DC(*) AND/OR DLD(**):.....

WORKING LANGUAGE(S):..... ....

SUBJECT AREAS OF CONCERN: ....
....
....

SPECIFIC (MAIN) ACTIVITES BEING CARRIED OUT:
.....
.....
.....
.....
.....
.....

REGION(S) OR COUNTRIES AFFECTED BY YOUR ACTIVITIES:.....
.....

PUBLICATIONS (AND PERIODICITY):.....
.....

SOURCES OF FINANCING SUPPORT:.....
.....

EXPERIMENTAL STATIONS AND ACTIVITIES:.....
.....
.....
.....
.....

(*) DESERTIFICATION CONTROL. (**) DRYLAND DEVELOPMENT.