GLOBAL MERCURY PARTNERSHIP

Consultation Desk for Mercury Waste Management

As of March 2025

01 Overview

- The Waste Management Area (WMA) is one of the Partnership areas under the Global Mercury Partnership led by UNEP. The WMA consists of more than 100 partners from different types of stakeholders and regions.
- The WMA has extensive knowledge and experiences in mercury waste management. Partners includes waste treatment companies, governments, NGO and others.
- The WMA is concerned that many stakeholders are struggling to manage mercury waste in an environmentally sound manner in accordance with Article 11 (mercury waste) of the Minamata Convention on mercury.
- 2021 online survey by the WMA found that stakeholders face challenges particularly in managing wastes of mercury-added products at all different stages of waste management.

The WMA has launched a new online consultation desk where stakeholders can request assistance from WMA partners to address specific challenges related to mercury waste. Depending on the issue and available resources, the WMA may be able to support you, noting that the WMA is a voluntary initiative and therefore not an institution to provide financial support.

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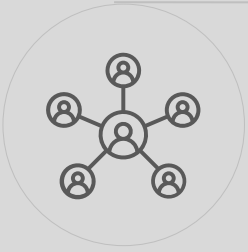
02 Framework

Inquiry

Stakeholders needing assistance should send an email to the WMA secretariat to request assistance. Stakeholders are encouraged to attach the Issue Identification Sheet available online. The Issue Identification Sheet contains questions about specific challenges they face in managing mercury waste.

Consultation



After reviewing the inquiry, the WMA secretariat will contact relevant WMA partners and organizations (e.g., secretariat of the Global Mercury Partnership) to seek advice on how to assist stakeholders with their needs. Stakeholders may be invited to attend the WMA meeting to present challenges for further discussion to identify potential solutions.

Match-making for action

If partners are interested in assisting stakeholders, further actions may be taken that may include

- Business-to-business initiatives;
- Government-to-government cooperations; and
- Involvement in funded projects (GEF, SIP, etc.).

Roster of Partners

Takashi Nishida

WMA Secretariat
EX Research Institute, Ltd.

Takashi has experiences in developing legislations and guidelines on mercury waste in Japan. He is a former member of the small intersessional working group to update the technical guidelines on mercury wastes under the Basel Convention. He also works on topics related to the Minamata Convention, Global Framework on Chemicals, science-policy panel on chemicals, waste and pollution, and the legally binding instrument on plastic pollution.

Sam Sakamoto

WMA Secretariat
EX Research Institute, Ltd.

Sam has nearly two decades of experience supporting the negotiation of MEAs as a consultant for the Japanese Government. Since 2005, he has served as the Secretariat for "the Asian Network" which is informal network of the Basel Competent Authorities in Asia. He has also supervised many projects to support the implementation of the Minamata Convention through technology transfer of Japanese mercury management technologies and capacity-building in more than 10 countries around the world.

David Hunter

Hg Ops Gmbh,
Picoyune LLC

20+ years as a Specialist in Hg Waste, Hg Safety, Hg Decontamination and Hg Management. Experienced in Transportation, Waste Treatment, Decontamination, Research, Analysis, HSE, Industrial Hygiene, Project Management, Treatment Technologies, Documentation and Auditing. Experience: Managing Mercury Waste Treatment Plant, Project Management of major international mercury projects, Decontamination of Hg in Steel. Working within the framework of the Minamata Convention, Basel Convention etc. David is also member of the Global Mercury Partnership & Contaminant Advisory Group (CAG).

Kishor Parajuli

WMA Secretariat
EX Research Institute, Ltd.

Kishor is a waste management expert with over 25 years of experience, from facility-level fieldwork to policy advisory. He has consulted for the Minamata Convention secretariat on mercury issues, worked on updating plastic waste guidelines with the Basel Convention, and has participated in the INC negotiations on the proposed legally binding instrument on plastic pollution. He also participates in Basel Convention expert groups and has assisted developing countries in preparing their Mercury Material Flows.

Stuart Baker

Analytical Consultant
Qa3

Stuart has 4 decades of experience in analytical testing, primarily in the petroleum industry and is an expert in trace contaminants in gas, oil and petrochemicals. He has over 30 years of experience of conducting on-site mercury determinations at oil and gas facilities throughout the world, both onshore and offshore. He has, on several occasions, acted as an expert witness in environmental contamination cases, he advises the Global Mercury Partnership on the issues within the oil and gas industry and has chaired the oil and gas sessions at 2 of the ICMGP international conferences

Leila Devia

Lawyer,
University of Buenos Aires

Dr. Leila Devia is a lawyer specializing in natural resources law. She holds a PhD from Universidad del Salvador (USAL) and a Postdoctoral degree from the University of Buenos Aires (UBA). She has taught at UBA, USAL, UADE, ITBA, and UCEMA and was a guest professor in France. Until 2024, she directed the Basel Convention Regional Centre and coordinated environmental regulations at INTI. She has authored several publications and is a review expert for the UN Intergovernmental Panel on Climate Change.

Secretariat of the Waste Management Area (EX Research Institute, Ltd.)
wastemanagement@exri.co.jp

Roster of Partners

Carlos Moreno

Senior Process Engineer

During his ☒me as Senior Waste Engineer at the EPA of Victoria, Carlos prepared reports on the Minamata Convention, focusing on mercury storage and its regulatory framework. He evaluated the effectiveness of dental amalgam separators and has extensive experience in hazardous waste treatment. As a senior process engineer, he provides technical leadership in designing control systems for wastewater facilities. His expertise includes regulatory compliance, engineering design, managing hazardous wastewater releases, and collaborating on largescale projects with both public and private sectors.

William Purves

Director,
Purves Environmental, Inc.

Bill is an analy cal chemist with over thirty years of experience in detecting and mitigating environmental mercury. For the past twenty years, he has focused on managing dental mercury waste in North America, compiling thousands of data points to identify sources and develop solutions that reduce mercury levels by over 90%. As a private consultant, he supports various facili es in complying with EPA regulations and conducts environmental data validation training courses for military, university, government, and commercial laboratories.

Alberto Santos Capra

Director
BCRC South America

Bachelor's degree in Chemical Sciences with a postgraduate degree in Occupational Health and Safety, along with specializations in environmental law and waste management. A professor at universities such as the National University of San Martín (UNSAM) and the University of Buenos Aires (UBA). With nearly 20 years at the National Environmental Authority, he coordinated international programs on hazardous waste. He has worked at ACUMAR and in the Ministry of Mining, and more recently in the Ministry of Environmental Policy. Currently, he is the Director of the Basel Regional Center for South America at the National Institute of Industrial Technology (INTI)

Mike Darcy

Owner,
MJ Darcy Consulting

Mike has been the CEO of an environmental consultancy specialising in mercury waste management for over 20 years. His firm implements the best available technology and environmental management practices known as Total Mercury Amalgam Capture and Containment (TMACC) to reduce dental mercury releases to less than 1 ng/l. He works for clients from both private and public sectors including military facilities, universities, and wastewater treatment plants, ensuring compliance with USA and Canadian EPA standards. Additionally, he advises Review Commitees on ISO-11143 Dental Amalgam Separators.

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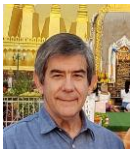
03 Roster of Partners

Marco Arancibia

Head of Research, Development, and Innovation
Mekatronika

Marco Antonio is an expert in waste processing and management, with 19 years of experience in processes and technologies and a strong research capability. He has developed several projects involving different types of waste, mainly in the area of toxic waste. He has designed and built equipment tailored to various needs and contexts. Currently, he is working on processes related to mercury-containing waste, including contaminated area analysis, containment processes, cleaning, processing and mercury stabilization.



Terrence Thompson

Consultant – Mercury and Health

Mr. Thompson is a former WHO Regional Adviser with more than 35-years of experience in LMICs in Asia-Pacific and Latin America-Caribbean regions. As a consultant, he developed WHO's guidance for ministries of health to plan their compliance with the Minamata Convention and supported several countries in developing national mercury and health plans. As an expert on healthcare waste management, Mr. Thompson has advised many hospitals on disposal of healthcare waste containing or contaminated with mercury and safe management of mercury-added medical measuring devices.

Seungki Back, PhD

Assistant Professor
The University of Suwon

Dr. S. Back has approximately ten years of experience in mercury waste management, focusing on mercury inventory, recovery from industrial byproducts, and remediation of contaminated sites since he had pursuing his PhD degree in the field of Hg management in Yonsei University, Korea. After the degree he had worked in NIES, Japan, to work on heavy metal recovery and utilization. He has also worked on topics related to the development of national standards in the field of mercury waste management. His research findings have supported the implementation of the Minamata Convention in South Korea.

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