

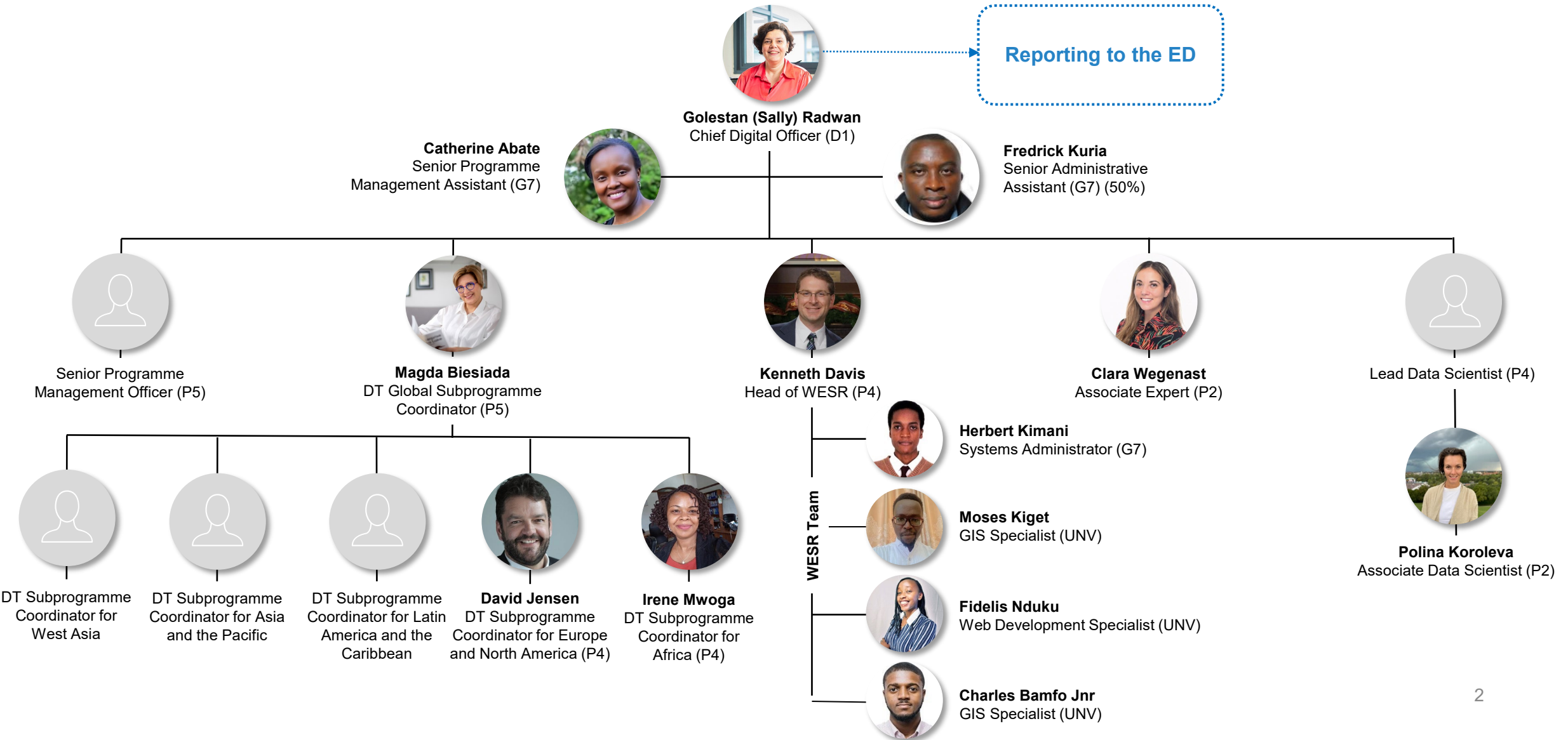
UNEP Digital Transformation Subprogramme

Orientation session for members of the Committee of
Permanent Representatives

Golestan Sally Radwan
March 2025

Digital Transformation: Team

Organigram



UNEP Digital Transformation

The two sides of digitalization to help tackle the triple planetary crisis



The **two sides** of the coin

DIGITALLY SUSTAINABLE
Digital technologies to address
environmental challenges



SUSTAINABLY DIGITAL
Ensuring the environmental
sustainability of technology

UNEP Digital Transformation

Main areas of work



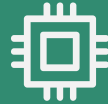
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Main areas of work



GLOBAL ENVIRONMENTAL DATA STRATEGY (GEDS)

Draft document
Consultations



ARTIFICIAL INTELLIGENCE

Impact research
Applications for
the environment



REGIONAL ENGAGEMENT

Apply priorities
through regions



CAPACITY BUILDING

Digital skills
Digital Accelerator
Lab



WORLD ENVIRONMENT SITUATION ROOM (WESR)

Build new WESR
Use Cases

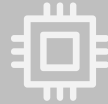
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Global Environmental Data Strategy (GEDS)

Five key focus areas



Enhance Data Quality and Provenance:

Discuss frameworks and standards for defining and classifying environmental data quality levels accurately.

Promote Data Interoperability:

Identify and integrate global and thematic data standards into a global environmental data framework for efficient sharing among stakeholders.

Promote Inclusive Data Access and Affordability:

Detail action items and policy recommendations to improve open access to environmental data and address challenges related to data affordability.

Improve Data Governance:

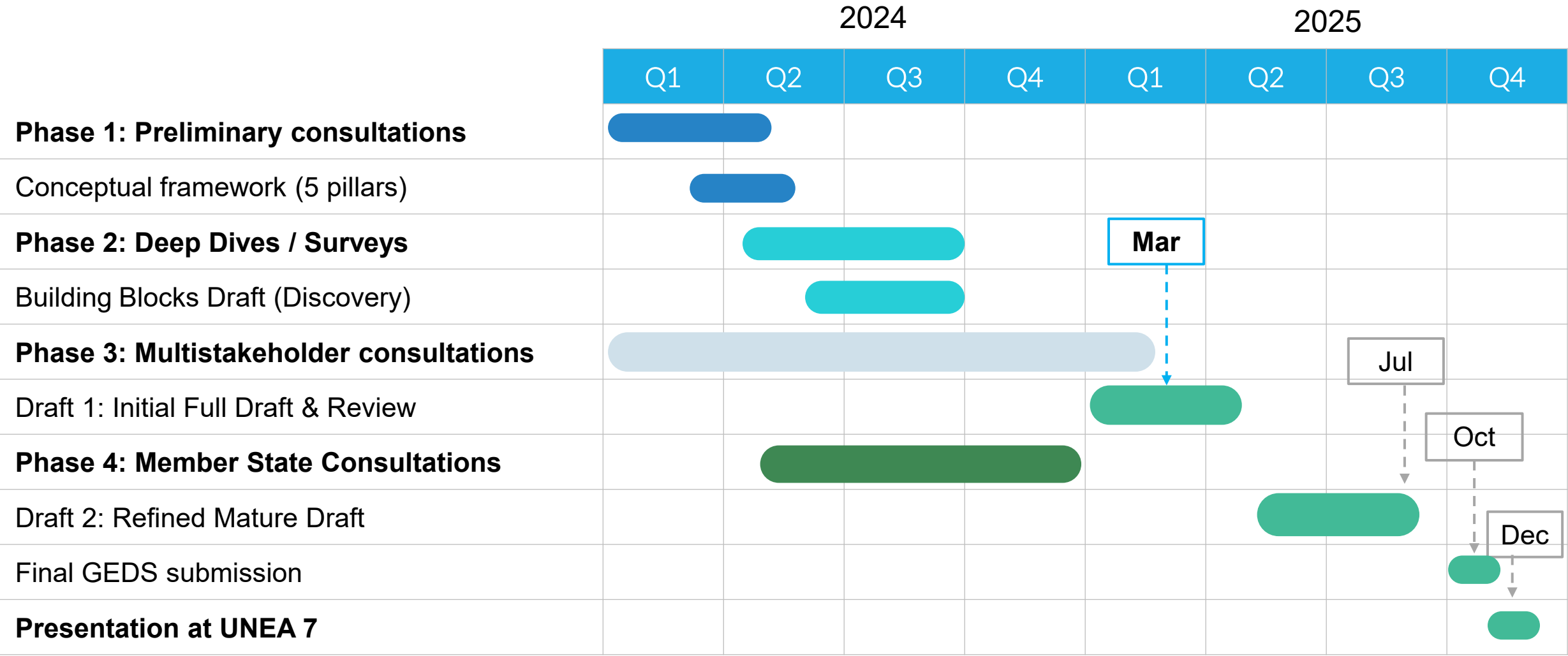
Advance comprehensive governance models that address ethical, effective, and sustainable methodologies for environmental data management practices.

Facilitate Capacity Building:

Support member states in acquiring skills for data governance, foster best practice exchange, and strengthen global initiatives for inclusive engagement.

GEDS Timeline

Consultations and draft development timeline



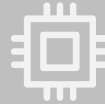
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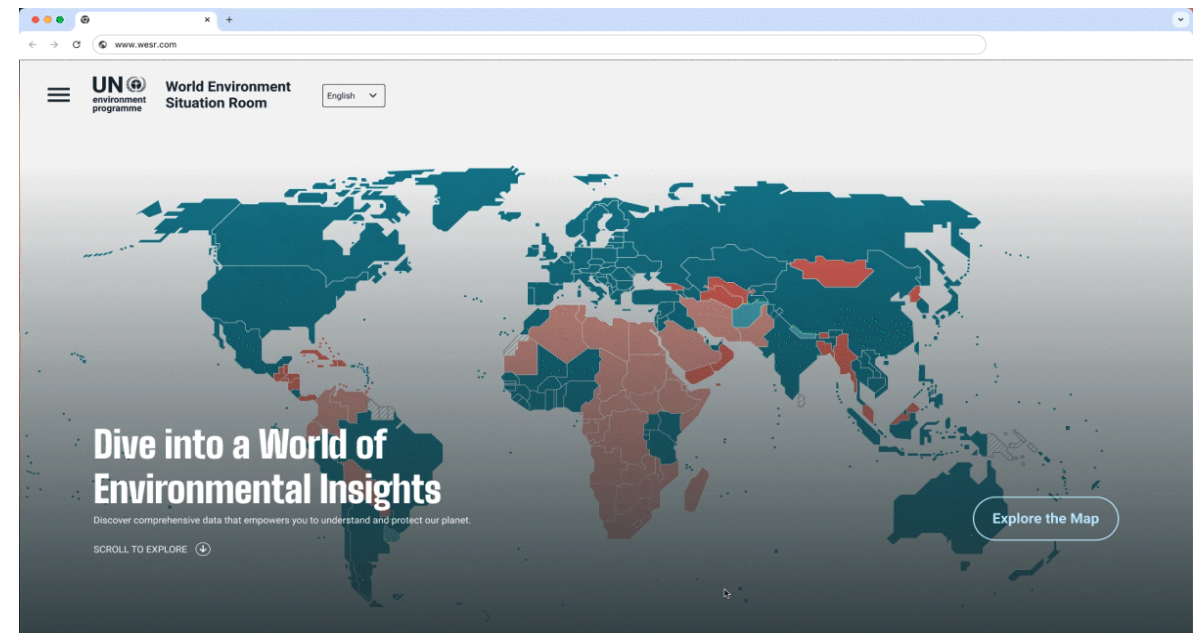
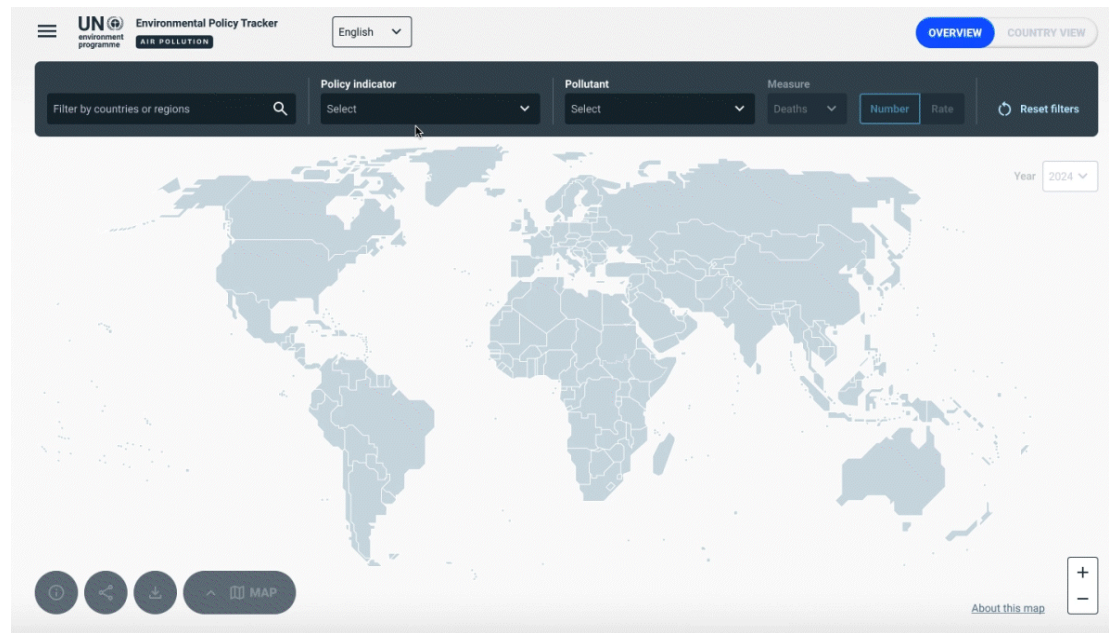
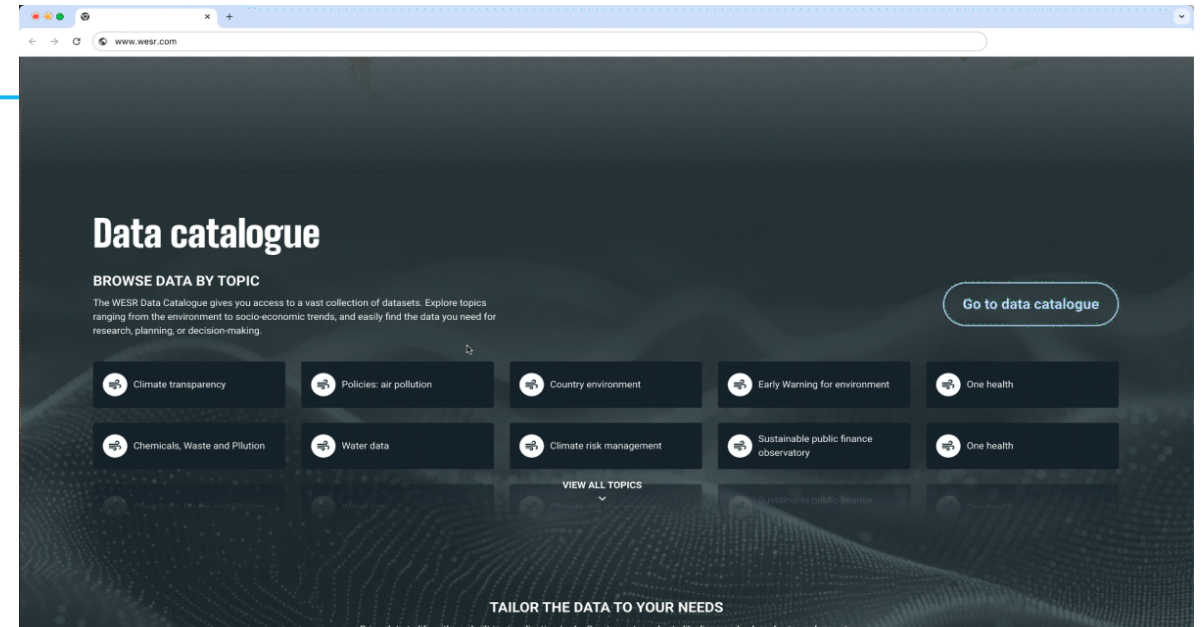
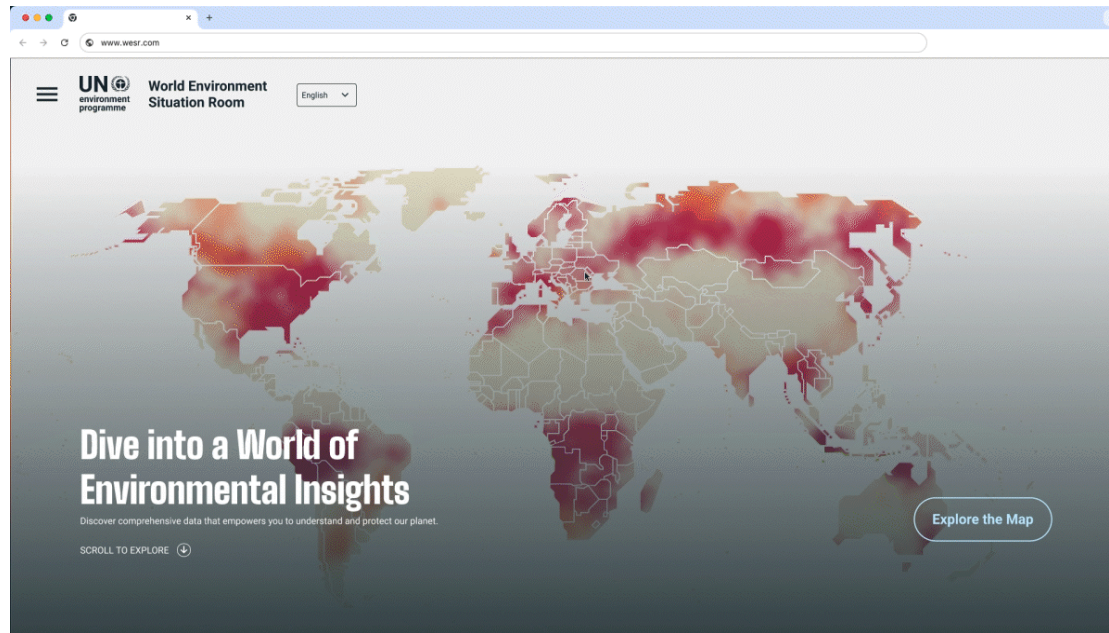
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World Environment Situation Room: Pilot due by September 2025



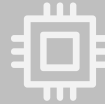
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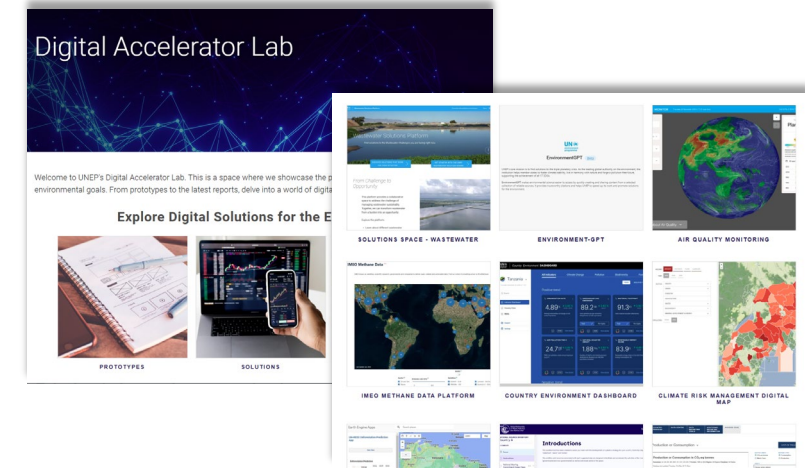
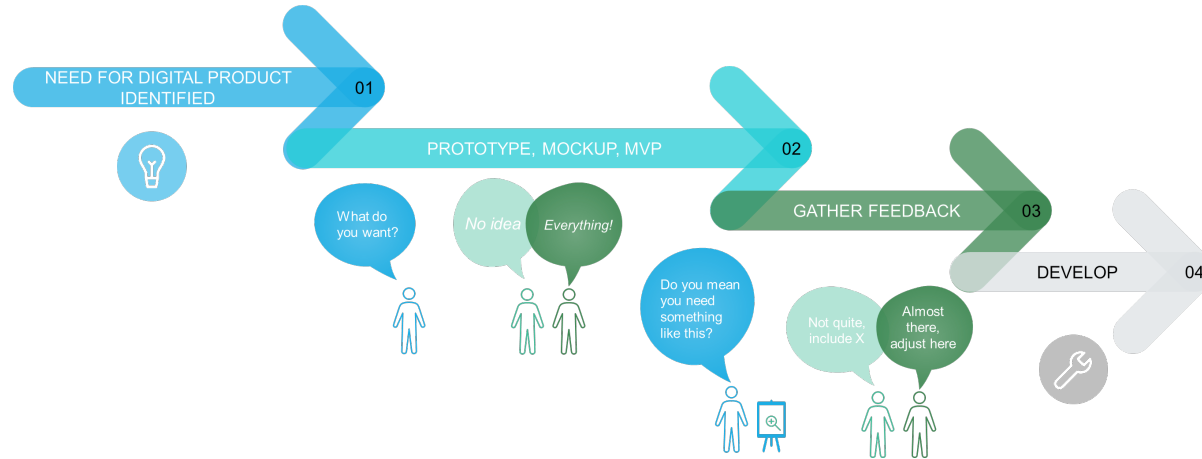
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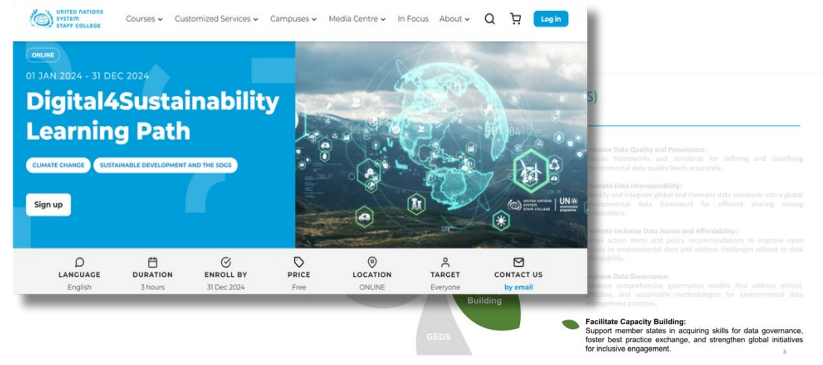
Capacity Building

UNEP's user-centered digital function

- Digital Accelerator Lab**



- Courses & Tailored Programmes**



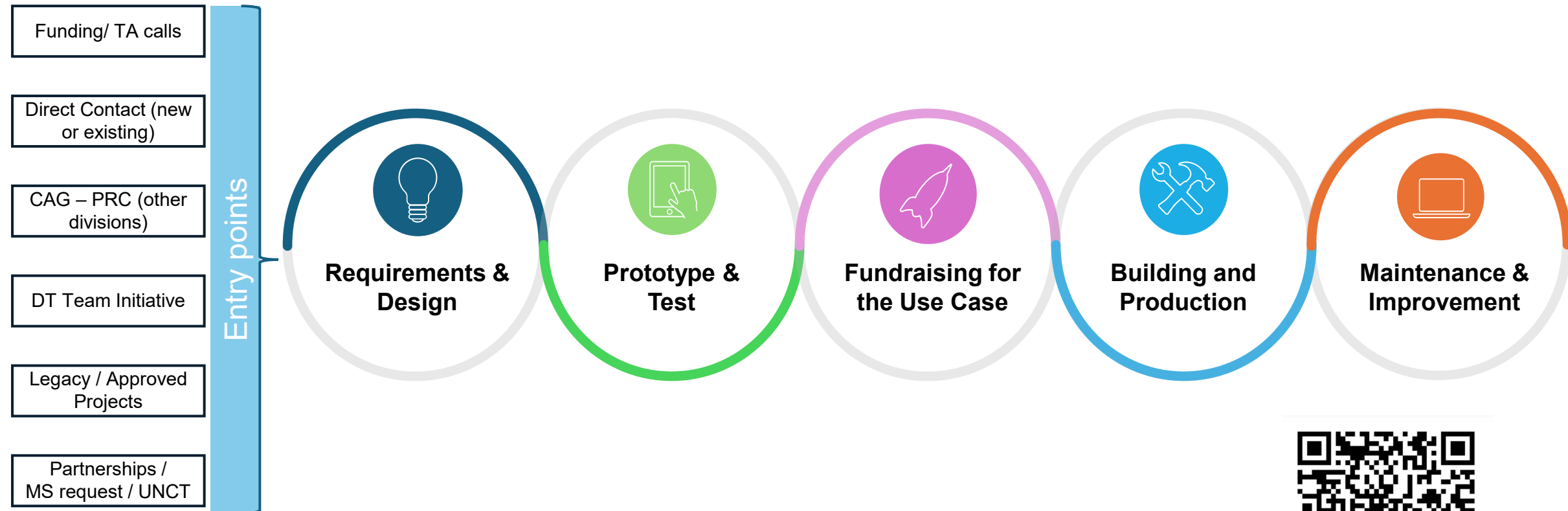
- Knowledge Products**



Capacity Building

Example of use case development

Typical project cycle for the CDO and Digital Accelerator Lab



Check out UNEP's Digital Accelerator Lab: <https://shorturl.at/TEnl6>



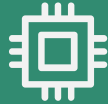
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Responsible Artificial Intelligence for the Environment

UNEP's current activities

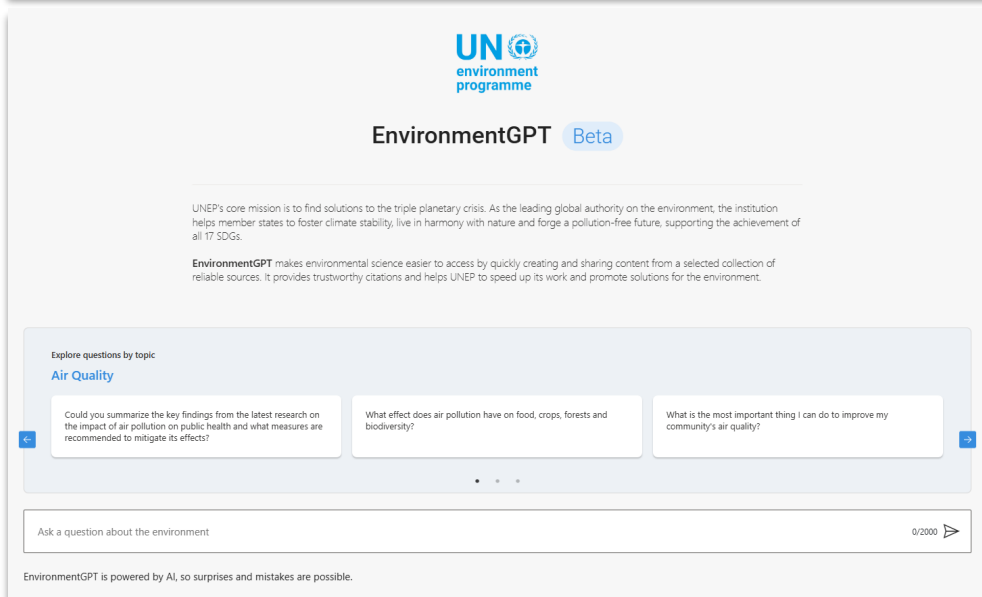


Measuring the Impact of AI

- Full AI value chain assessment
- From raw materials to e-waste
- Plus, indirect effects
- Individual AI footprint?

Developing AI Use Cases

- Environment-GPT
- IMEO
- Cross-cutting scenarios
- Impact calculator
- Semantic & contextual search (MEA+UNEA docs)



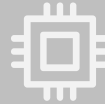
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Regional Engagement

Applying priorities through regions



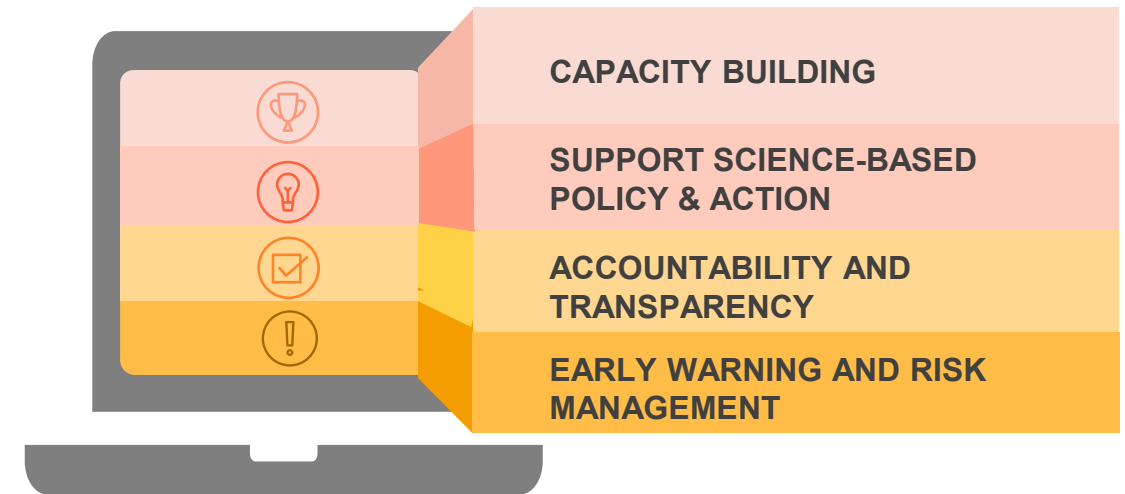
Coordinating regional digital initiatives for sustainable development



Building partnerships for enhanced data and digital solutions

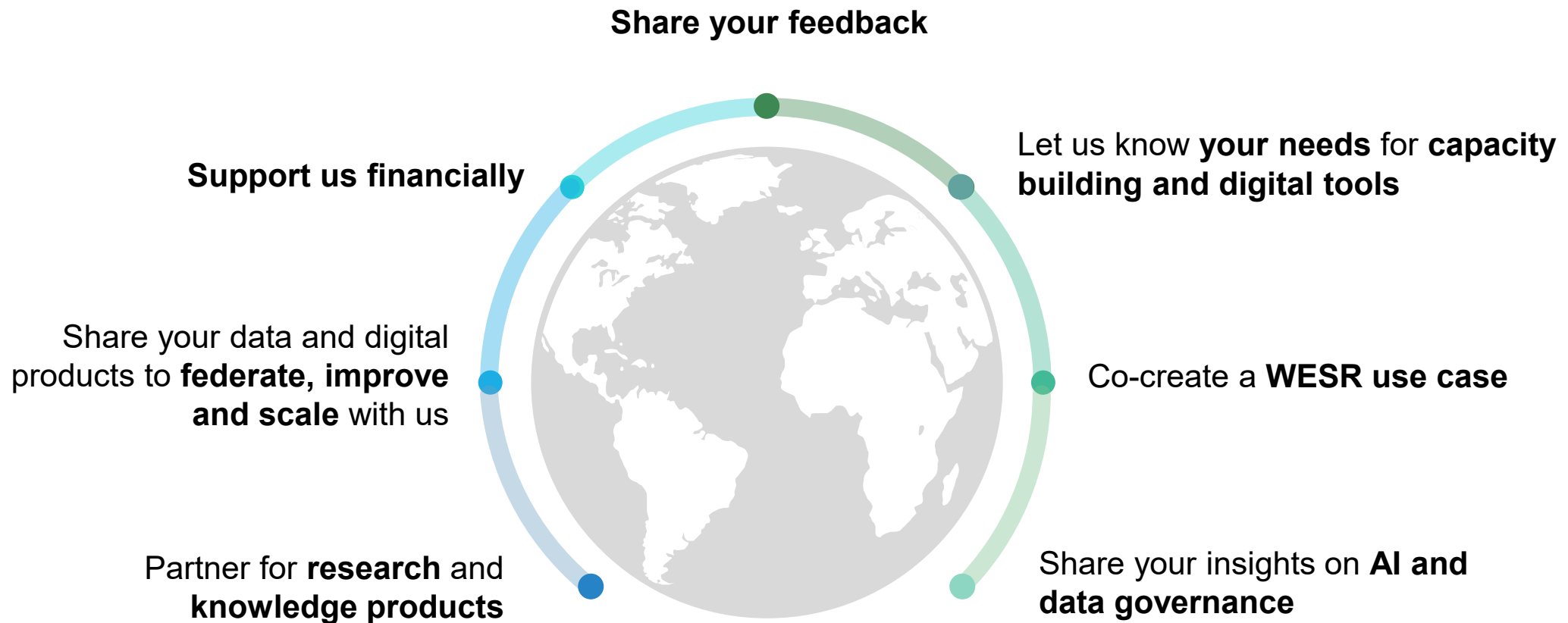


Focus Projects: DigiKen and GIZ Transboundary Data Sharing



Digital Transformation: Engage with us

Let's work together!



Thank you

You can reach me at golestan.radwan@un.org
