

UNEP Digital Transformation

Capacity Building Brief

Clara Wegenast
19.11.2024

Digital Transformation Capacity Building

Activities cover internal and external capacity building

Internal

Target audience: UNEP and wider UN

Objective: Enable the use of technology to accelerate the achievement of the SDGs



External

Target audience: Member states, in particular regions most vulnerable to environmental challenges

Objective: Address tools, skills, and data quality gaps



Digital Transformation Capacity Building

Focus areas



DIGITAL & DATA CAPACITIES

Foundational skills



DIGITAL SOLUTIONS

Utilizing digital for
environmental benefit



SUSTAINABLE DIGITALIZATION

Sharing knowledge

Digital Transformation Capacity Building

Foundational skills: detailed activities



DIGITAL & DATA
CAPACITIES

Foundational skills

Courses & Tailored Programmes

UNITED NATIONS SYSTEM STAFF COLLEGE

Courses ▾ Customized Services ▾ Campuses ▾ Media Centre ▾ In Focus

ONLINE

01 JAN 2024 - 31 DEC 2024

Digital4Sustainability Learning Path

CLIMATE CHANGE SUSTAINABLE DEVELOPMENT AND THE ENVIRONMENT

Sign up



Tailored course on *digital solution development* for UNEP personnel

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.

Digital Transformation Capacity Building

Digital solutions: detailed activities



DIGITAL SOLUTIONS

Utilizing digital for environmental benefit

- Identify **Use Cases**
- **Develop, Promote and Improve** Relevant Digital Tools
- Sandbox environment for **Co-creation**

The collage features a central banner for the 'Digital Accelerator Lab' with the text 'Explore Digital Solutions for the Env'. Below this are several screenshots of digital tools: 'SOLUTIONS SPACE - WASTEWATER', 'ENVIRONMENT-GPT', 'AIR QUALITY MONITORING', 'IMEO METHANE DATA PLATFORM', and 'COUNTRY ENVIRONME'. At the bottom left, there are icons for 'PROTOTYPES' (a notebook) and 'SOLUTIONS' (a laptop and smartphone). On the right, a blue box contains the text 'Sandbox Environment' and a yellow and black 'UNDER CONSTRUCTION' sign hanging from a string.

Digital Transformation Capacity Building

Sustainable digitalization: detailed activities



**SUSTAINABLE
DIGITALIZATION**

Sharing knowledge

- Cross-Sectoral Collaboration
- Knowledge Products
- Advocacy and Action



**RETHINKING
EXTENDING
REUSING**

Digital Public Infrastructure for Environmental Sustainability

Artificial intelligence (AI) end-to-end:
The environmental impact of the full AI life cycle needs to be comprehensively assessed

Digital Technologies for Environmental Peacebuilding
HORIZON SCANNING OF OPPORTUNITIES & RISKS



Five environmental data problems

Harmonizing environmental data: towards a global environmental data strategy

6 December
10:30-11:15 (GMT+4)

Golestan (Sally) Radwan
Chief Digital Officer, UNEP

Katrin Saarsalu-Layachi
Estonian Ambassador at Large for Climate and Energy Policy

Hindou Oumarou Ibrahim
Environmental Activist, Geographer, Chad

Dr. Christian Feichtinger
Executive Director, International Astronautical Federation

Justin Keeple
Managing Director of Global Sustainability Google Cloud

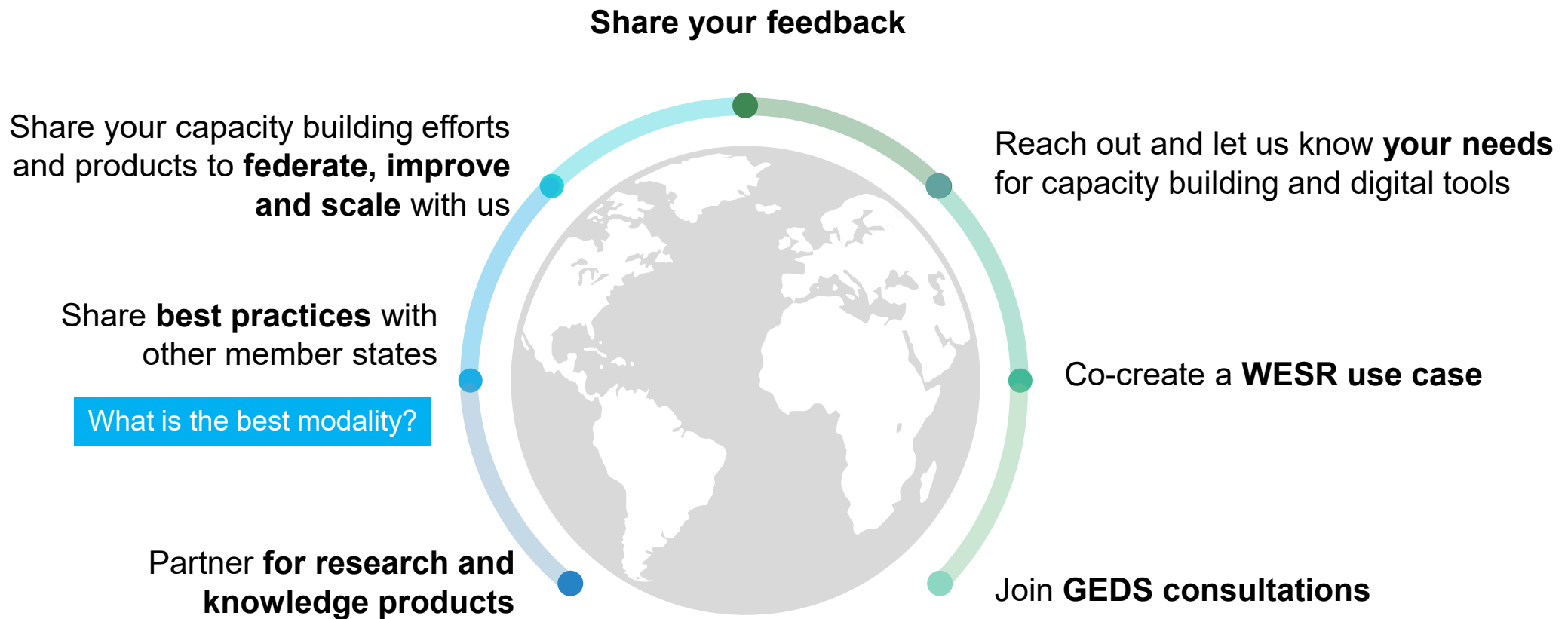
Shereen Zorba
Head, Science Policy & Knowledge Networks, UNEP, Moderator

UNEP PAVILION
DIGITAL DAY

UNEP
environmental programme

Digital Transformation Capacity Building

How to engage with us



Thank you

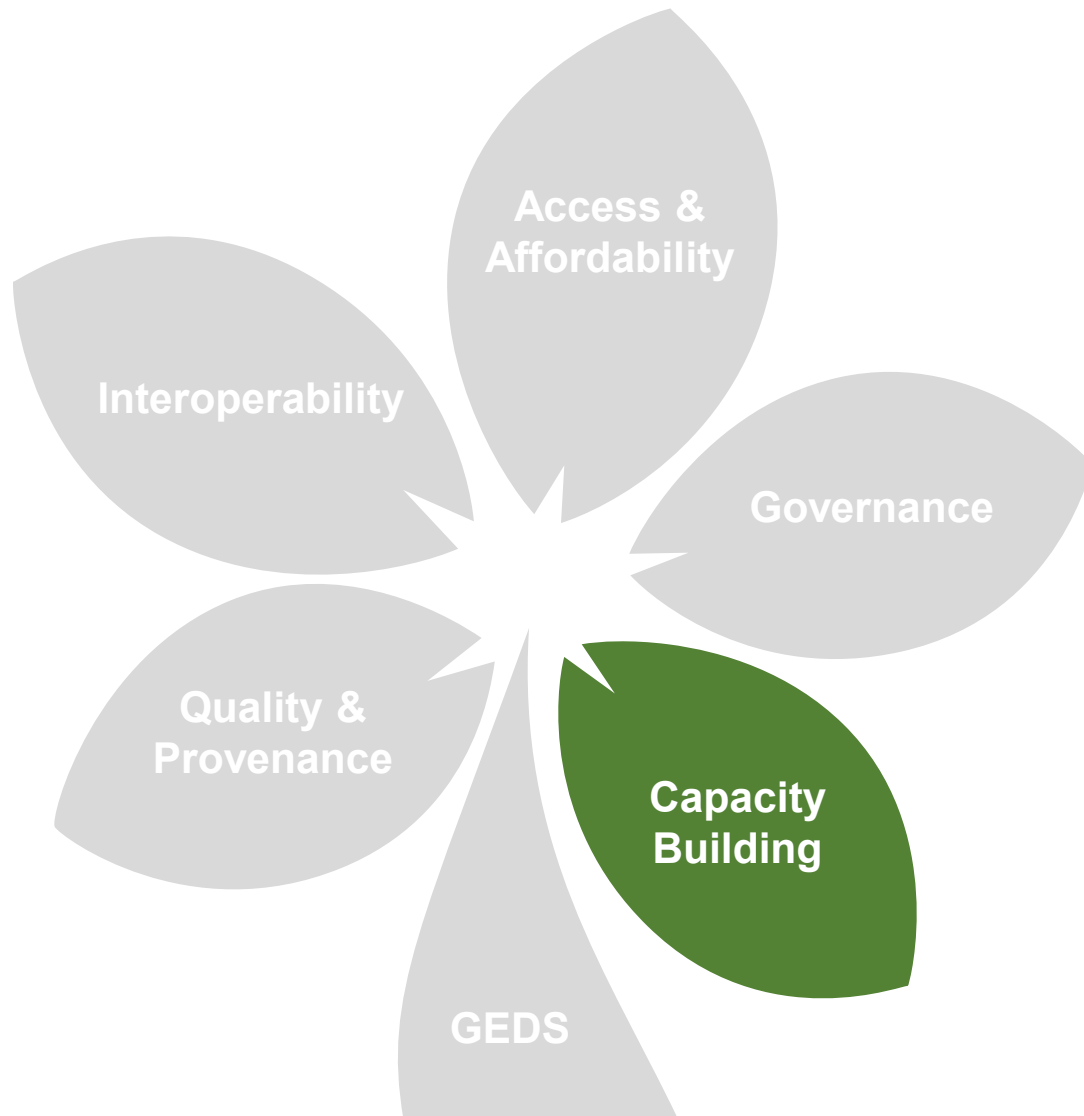
Contact us at unep-chiefdigital@un.org

Clara Wegenast
19.11.2024

www.unep.org

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.

Digital Transformation Capacity Building

The problem and our goal

Overall goal: Address capacity and data quality gaps faced by regions most vulnerable to environmental challenges and contributing to the UN 2.0 vision

Key Challenges:



Lack of Specialized Digital Solutions:

Limited tailored tools and data insights for specific environmental issues.



Insufficient Digital & Data Competencies:

Low digital literacy among local/UN stakeholders restricts technology use for environmental benefits.



Weak Integration of Sustainability in Digital Governance:

Poor coordination across sectors limits sustainable digital practices and cross-sector collaboration.