

# **UNEA resolution 6/5 on Environmental Aspects of Minerals and Metals**

## **Webinar on the Digital Knowledge Hub and Introduction to its Online Communities of Practice**

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Webinar  
11 February 2025

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# UNEA-6 Resolution 5 “Environmental Aspects of Minerals and Metals Management”

2. *Requests* the Executive Director of the United Nations Environment Programme, subject to the availability of resources, in cooperation with Member States, including national focal points appointed pursuant to United Nations Environment Assembly resolution 5/12, stakeholders and experts, while ensuring equitable regional balance, building on existing work and avoiding duplication, to:

- (a) Establish a digital knowledge hub to compile, among other things, information on existing good practices relevant to the environmental aspects of minerals and metals and to share, as appropriate, that information with all Member States and stakeholders;
- (b) Develop capacity-building opportunities relating to environmental aspects of minerals and metals with experts on the subject from each region, including but not limited to online training;
- (c) Support enhanced cooperation among Member States to strengthen the policy, technological, technical and scientific elements of the management of environmental aspects of minerals and metals;

3. *Invites* the Executive Director, within the scope of available resources, to strengthen the cooperation between the United Nations Environment Programme and relevant international and regional organizations and forums, and with relevant stakeholders, on environmental aspects of minerals and metals;

## Resolution 6/5 Operative Paragraphs 2 and 3

Focus for UNEP on:

- Digital knowledge hub.
- Capacity-building.
- Cooperation between States.
- Cooperation with other organisations.

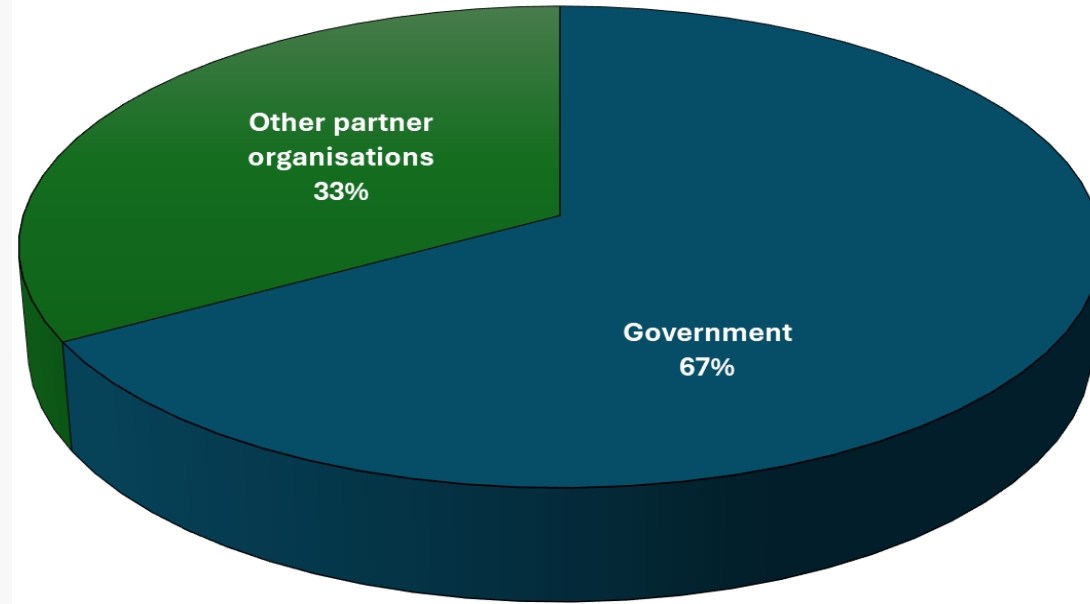
## UNEA 6/5 Digital Knowledge Hub

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- **Objective:** To provide access to information and best practices on enhancing environmental sustainability of minerals and metals.
- User-friendly, interactive and inter-operable gateway.
- Now at advanced design stage :
  - Desk research and outreach to understand existing online landscape.
  - Review of potential host platforms : Green Growth Knowledge Partnership - GGKP – hosting
  - Survey to National Focal Points and stakeholders for needs identification: > 70 respondents
  - Technical specifications developed and finalised.
  - Collate UNEA4/19 and 5/12 data, knowledge and outcomes.
  - Content (UNEP, Member States and Partner Contributions)

## Survey Insights – Informing the Digital Knowledge Hub

- Total responses: 72
- Over 60% from Government representatives
- Remaining responses: CSOs, International Organizations and other partners



### Key findings:

- Strong interest in policy review and interactive data visualizations.
  - Demand for content on circular economy, mine closure, and biodiversity linkages.
  - High engagement interest in Online Communities of Practice.
  - Top content needs: Policy review, circular economy applications, interactive data visualizations, and best practices for mine rehabilitation.
  - Engagement preferences: Strong interest in joining Online Communities of Practice (CoPs) for knowledge sharing and capacity building.
- Survey results have been integrated into platform development and content prioritization.**

# Digital Knowledge Hub

## 1 Resource Library

- Compilation of good practices, standards, and related information.
- Searchable database
- Downloadable resources
- Multimedia content

## 2 Online Communities of Practice

- Discussion platforms
- Knowledge sharing, networking, peer to peer learning, and collaboration.



## 3 Interface

- User-friendly design
- Interoperability- link to other platforms, tools and databases
- AI & API functionality
- Multilingual and accessible

## 5 Audience

- Member States, MEAs, private sector, public sector, UN agencies, CSOs, youth.

## 4 Features

- Host: GGKP
- Inclusive preparatory consultative process
- UNEA 5/12 National Focal Points will be actively involved in the content development of the knowledge hub

# The Digital Knowledge Hub: A Capacity Building Resource

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## **Providing Stakeholders with Knowledge & Tools:**

- **Training & Learning Resources:**


- Virtual Self-Paced Training Modules
- Developed and delivered jointly with potential partners such as UN agencies, including RECs and UNITAR, IGF, UNECE-ICA
- Expert-led webinars or online training sessions (e.g. on the Mining Module of the SCP-Hotspot Analysis Tool)

- **Knowledge Exchange & Collaboration**

- Interactive Communities of Practice for peer-to-peer exchange.
- Forums for cross-sector dialogue, fostering best practice sharing.

- **Open to proposals to host partner online capacity building events.**

## Partnerships and Contributions

- **Hub Host:**  GGKP  
with its Online Communities of Practice on GGKP's Green Forum
- **Content Contributors:**
  - Member States (policy, law, guideline or best practices)
  - Partner content (e.g. GRID-Geneva, IGF mine closure guidelines, UNECE Industrial Accidents Convention mine tailings tools and guidelines, or AUC training course, etc.....).
- **Ongoing Effort:**
  - Continuous horizon scanning for a dynamic, relevant, and up-to-date Hub.
- **Sponsors:** Government of Switzerland and EC.

## 2025 Milestones

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- **Global Webinar:** 11 February 2025
- **Online Communities of Practice :** As from **NOW**
- **Digital Knowledge Hub:**
  - Advanced Hub development: December 2024
  - Integration of webinar guidance: By end February 2025
  - IT development completed: By end March 2025
  - Testing and Launch: mid-April 2025
  - Full Hub functionalities (incl. upgrades/API/AI integration): November 2025

# Digital Minerals & Metals Knowledge Hub

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2025 February 11



## AGENDA

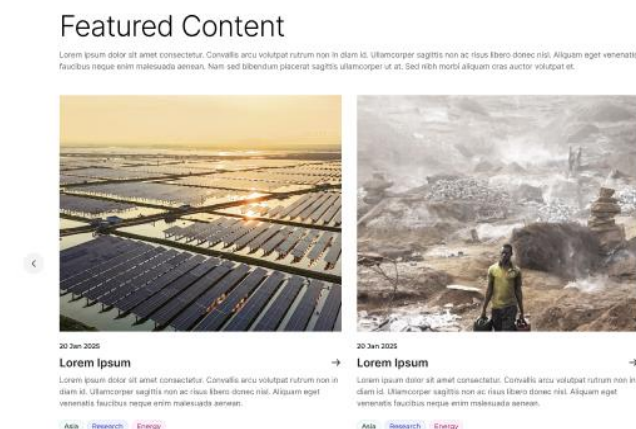
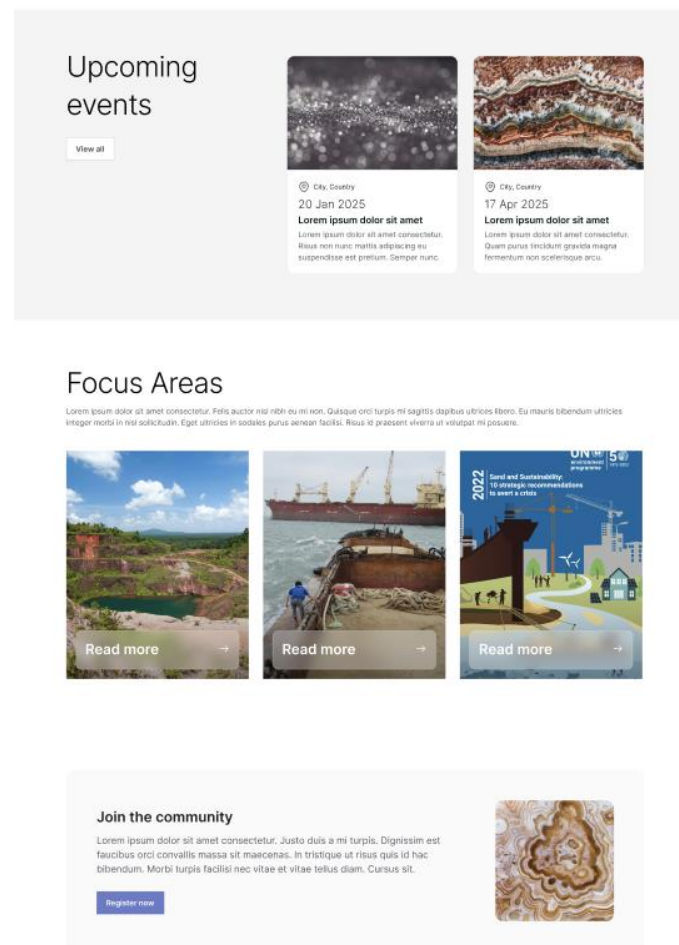
- 1 New Knowledge Hub Functionalities**
- 2 Looking Forward**
- 3 Questions**

## **Session 1**

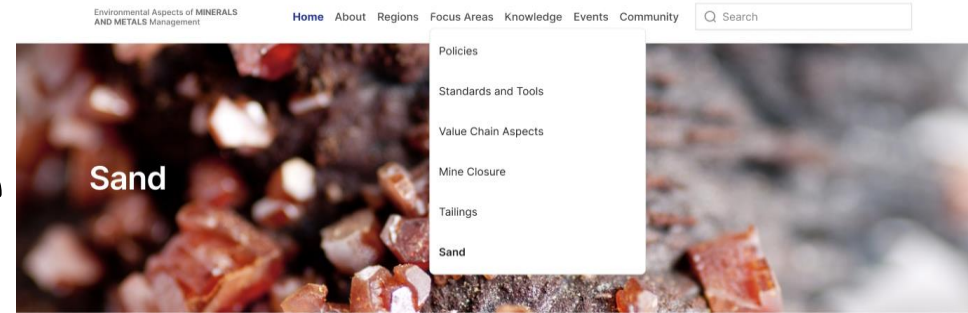
# **New Knowledge Hub Functionalities**

# New Knowledge Hub is being Developed

- Sector focused knowledge hub built on GGKP's knowledge management system
- User-friendly navigation to access the knowledge content and events through different entry points: scrollable landing page, menu tabs, focus areas
- Comprehensive analytics to track user engagement with the hub and its content



# Easy Navigation and Access to Knowledge

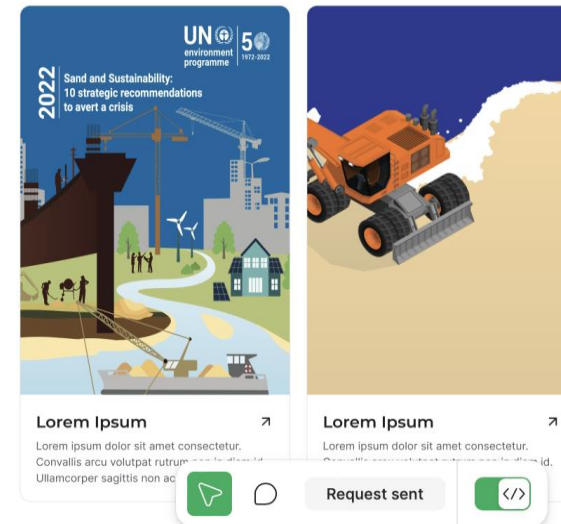


- The knowledge will be structured around the key focus areas: Policies, Standards and Tools, Value Chain Aspects, Mine Closure, Tailings, Sand
- This new taxonomy will enable quick and efficient access to specific knowledge
- Enhanced user experience, ensuring system efficiency, and addressing knowledge gaps.

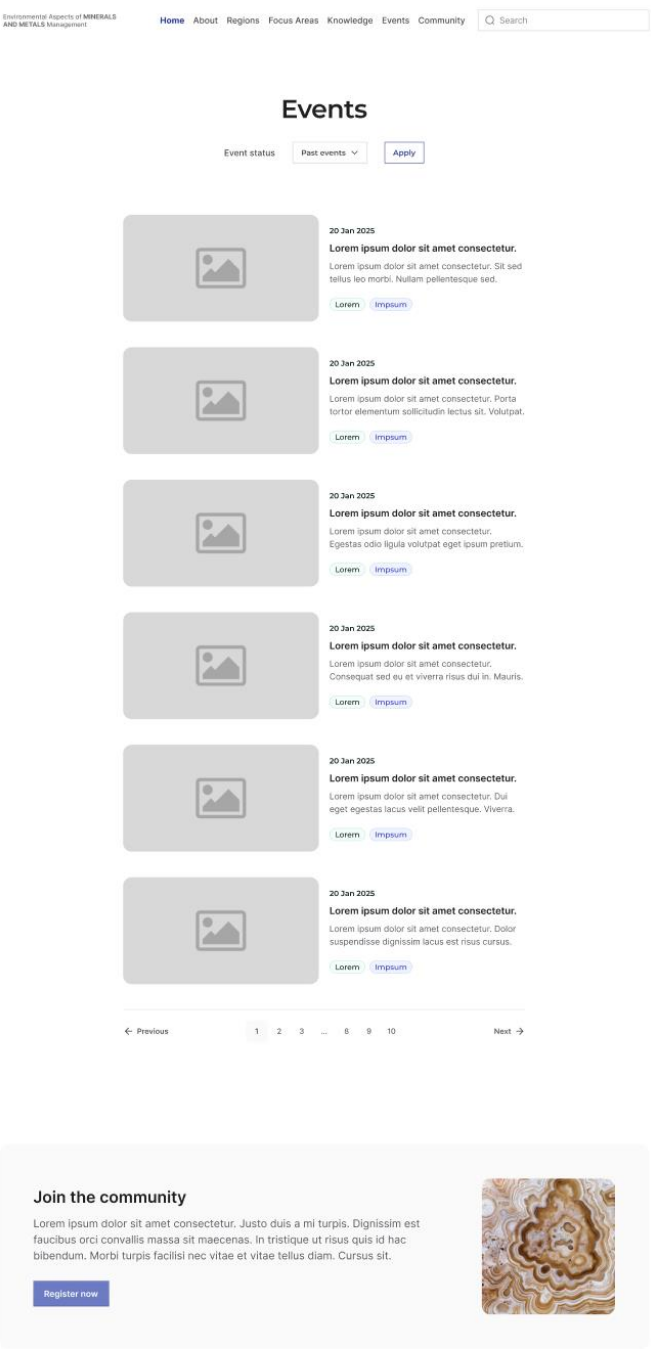
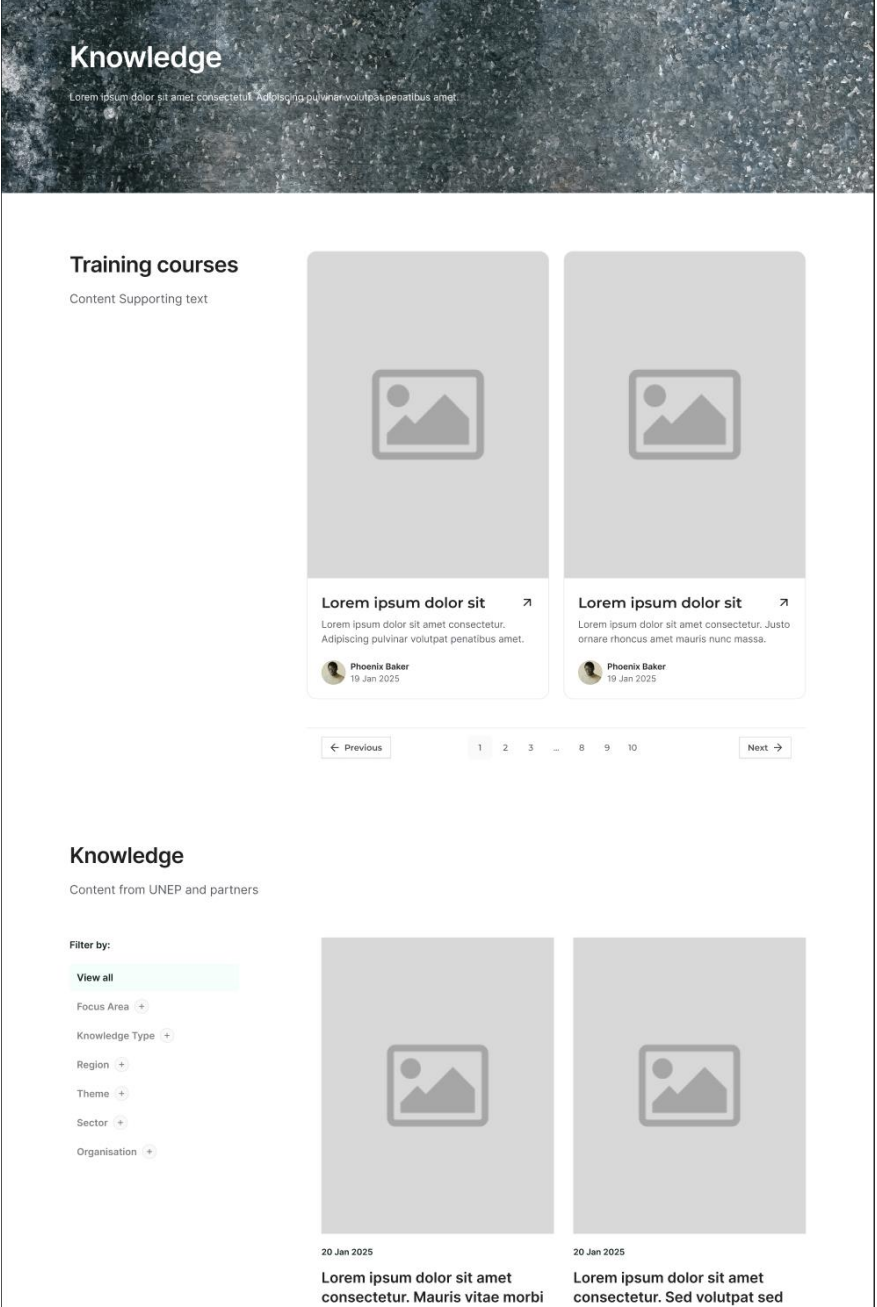
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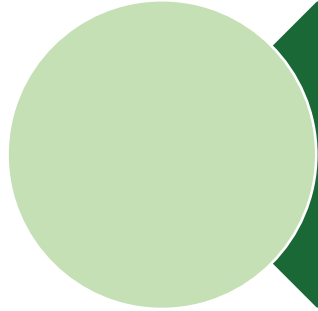


# Knowledge Section and Events

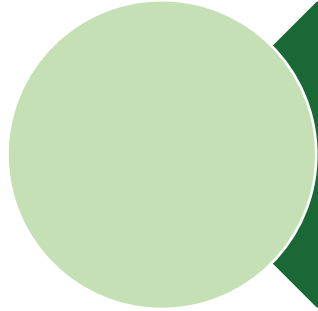


## Session 2

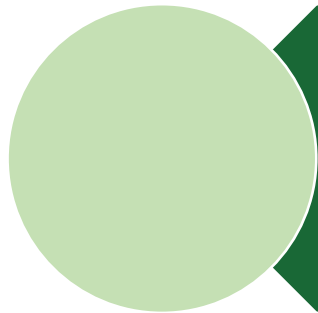
# Looking Forward



The central platform for accessing, analyzing, and leveraging critical knowledge and resources within the sector



Connection to digital network of knowledge hub automatically brings together projects and knowledge from leading organisations to make them easily accessible for all users



AI-powered search and analysis will be integrated as a 2nd phase to further enhance user interaction and enable comprehensive insights and more informed decision-making.

**Session 3**

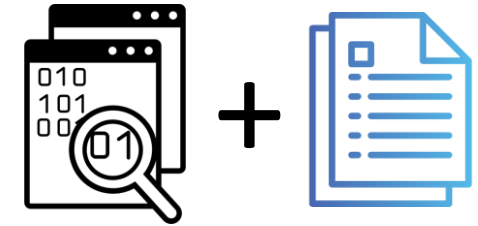
**Questions**

# AI/API Integration

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## What is it?

An advanced system leveraging **Artificial Intelligence (AI)** and **Application Programming Interfaces (API)** to revolutionize green economy knowledge and data management.



### API:

- Collate knowledge & data automatically from connected knowledge hubs
- Classify knowledge automatically with common taxonomy
- Administer, compare and visualize data through a central data catalogue
- Search & connect experts

### AI:

- Synthesis knowledge in real time as it is collated
- Provide user adapted knowledge access and recommendations
- Analysis knowledge to assess knowledge gaps and obtain insights
- Search across multiple connected knowledge hubs

# AI/API Knowledge Management System: Benefits and Impact

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## Key Benefits

- Enhanced efficiency in knowledge exchange and processing
- Improved accuracy in content classification
- Large scale rapid knowledge analysis
- Tailored knowledge delivery to diverse users
- Real-time updates and partner platform integration
- Foster greater collaboration among knowledge partners

## Expected Impact

- Increased collaboration among knowledge partners
- More informed & data driven decision-making
- Expanded reach of knowledge resources
- Enhanced ability to identify knowledge gaps and trends

# Online Communities of Practice (COPs)

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## **Purpose and scope**

- Facilitate peer learning, knowledge exchange, and collaboration among stakeholders in the management of environmental aspects of minerals and metals.
- Serve as a discussion and networking platform for policymakers, industry leaders, researchers, and civil society.
- Provide real-time insights on best practices, policy developments, and emerging trends.
- The CoPs align with UNEA 6/5 OP 2(c): *“Support enhanced cooperation among Member States to strengthen the policy, technological, technical and scientific elements of the management of environmental aspects of minerals and metals.”*

## **User engagement and contribution**

- Discussion Forums & Thematic Groups – Stakeholders can engage in structured discussions around priority themes including those identified in the UNEA 5/12 process (e.g., Tailings, sand, policies, standards and tools).
- Sharing Best Practices & Case Studies – Users can contribute resources, reports, and lessons learned to enrich the knowledge base.
- Interactive Webinars & Expert Panels – Opportunities for stakeholders to join knowledge-sharing events and connect with experts.



***From Insight to Impact: A Collaboration Space  
for a Greener Tomorrow***

An initiative  
of  
GGKP

# Overview of the Green Forum



LOGIN | SIGN UP | **ENGLISH** ▼

DISCUSSIONS

GROUPS

EVENTS

OPPORTUNITIES

ABOUT ▼



## Join the Green Forum!

Share and discuss insights with a global community of professionals working towards a sustainable economic transformation. Register to join the conversation.

FEATURED

FARM



TRENDING

Circular Economy



TRENDING

Tourism and Hospitality



JOIN THE  
DISCUSSION

REGISTER



**Sander Kanis** created a Post in **Blue Economy**  
1 day ago

In this Sway, I share practical tips and insights on how we can all contribute to a more sustainable future, focussing on plastic pollution. I invite you to explore, share your thoughts, and join the conversation. Together we can make a meaningful difference!"

Read More

<https://sway.cloud.microsoft/S4KNb8vovVwXUmjH?ref=Link>

## LATEST OPPORTUNITIES

Programme Management  
Officer...

5 DECEMBER 2024

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Call for Session Proposals:

...

# Communities of Practice



## Value Proposition

- Create a space for social learning, where stakeholders can be **involved, connected and engaged** on key topics - towards action, solutions and impact
- Series of **live** CoP **discussions or consultations** with experts to bring value and raise the quality of the discussions

## Challenges



- Need to **connect experts** working on similar, often niche, topics for a **peer-to-peer learning**

## Impact

- Increased capacity and collaboration among CoPs members **toward behavioural change and action**
- More **inputs from stakeholders** for improved decision-making process

# Proposed Activities



Special events such as online meetups, Ask Me Anything, or Q&A sessions with experts



Co-creation of knowledge products such as insight pieces, blog articles, and even podcasts



Peer-to-peer support to strengthen collaboration among members



[How to use the Green Forum](#)

# Establish a Community of Practice



# Thank you

For more information on the UNEA 6/5 Minerals and Metals Digital Knowledge Hub, please contact:  
Djaheezah Subratty ([djaheezah.subratty@un.org](mailto:djaheezah.subratty@un.org)) or Sauda Jussa ([sauda.jussa@un.org](mailto:sauda.jussa@un.org))

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