

# TAG Annual Report 2023-2024



RESOURCE MANAGEMENT WEEK  
2024



UNECE

# The Technical Advisory Group

## Structure

### Working Groups of the TAG:

#### **Petroleum Working Group (PWG)**

Chair: Victor Babashev  
10 members

#### **Minerals Working Group (MWG)**

Co-Chair: Hendrik Falck  
Co-chair: Aaron W. Johnson  
22 members

#### **Groundwater Working Group (GWWG)**

Chair: Peter van der Keur  
19 members

#### **Nuclear Working Group (NWG)**

Chair: King Lee  
10 members

#### **Renewables Working Group (RWG)**

Co-Chair: Gioia Falcone  
Co-chair: Mike McCurdy  
16 members

#### **Anthropogenic Working Group (AWG)**

Chair: Kral Ulrich  
15 members

#### **Injection Projects Working Group (IPWG)**

Chair: Gessel, S.F. (Serge) van  
12 members

#### **Women in Resource Management Working Group (WRM WG)**

Co-Chair: Cristina Marras  
Co-chair: Maria Angela Capello  
16 members

#### **Commercial Applications Working Group (CWG)**

Chair: Sigurd Heiburg  
12 members

#### **Sustainable Development Goals Delivery Working Group (SDG WG)**

Chair: Julian Hilton

#### **Communications Working Group (COMM WG)**

Chair: Coll, Carolina  
11 members

#### **Social and Environmental Considerations Working Group (SEC WG)**

Chair: Carrie McClelland  
9 members

#### **Competency Working Group (CpWG)**

Chair: Vitor Correia  
19 members

#### **Resource Management Young Member Group (RMYMG)**

Chair: Bianca Neumann  
Support: Ghadi Sabra  
12 members

# The Technical Advisory Group

Membership 2024



Group	Chair and Co-Chair/Support
<b>TAG</b>	<b>Alex Shpilman - Co-Chair</b>
<b>Women in Resource Management Working Group (WRM WG)</b>	<b>Cristina Marras Maria Angela Capello</b>
<b>Commercial Applications Working Group (CWG)</b>	<b>Sigurd Heiburg</b>
<b>Sustainable Development Goals Delivery Working Group (SDG WG)</b>	<b>Julian Hilton</b>
<b>Petroleum Working Group (PWG)</b>	<b>Victor Babashev</b>
<b>Groundwater Working Group (GWWG)</b>	<b>Peter van der Keur</b>
<b>Injection Projects Working Group (IPWG)</b>	<b>Gessel, S.F. (Serge) van</b>
<b>Social and Environmental Considerations Working Group (SEC WG)</b>	<b>Carrie McClelland</b>
<b>Nuclear Working Group (NWG)</b>	<b>King Lee</b>
<b>Minerals Working Group (MWG)</b>	<b>Hendrik Falck Aaron W.Johnson</b>
<b>Competency Working Group (CpWG)</b>	<b>Vitor Correia</b>
<b>Communications Working Group (COMM WG)</b>	<b>Coll, Carolina</b>
<b>Anthropogenic Working Group (AWG)</b>	<b>Kral Ulrich</b>
<b>Resource Management Young Member Group (RMYMG)</b>	<b>Bianca Neumann Ghadi Sabra (Support)</b>
<b>Renewables Working Group (RWG)</b>	<b>Gioia Falcone Mike McCurdy</b>

# The Technical Advisory Group

## Activity

- **UNFC Documents approved by the Bureau of the EGRM and submitted as parliamentary for EGRM-15, 22-26 April 2024:**
  1. Updated Bridging Document between the Committee for Mineral Reserves International Reporting Standards Template and the United Nations Framework Classification for Resources – Minerals Working Group (MWG);
  2. Updated Supplementary Specifications for the application of the United Nations Framework Classification for Resources (Update 2019) to Injection Projects for the Purpose of Geological Storage – Injection Projects Working Group (IPWG).

In 2023-2024 the TAG had 7 Telecom meetings.

Between the EGRM-14 and the EGRM-15 the TAG had 5 Telecom meetings.

A lot of work through emails.



# Minerals Working Group

## ■ Existing UNFC Documents for Minerals

1. Supplementary Specifications for the Application of UNFC to Minerals - 24 September 2021;
2. Bridging Document between the National Standard of the People's Republic of China Classifications for Mineral Resources and Mineral Reserves (GB/T 17766-2020) and UNFC (UNFC Update 2019) - 25 October 2022;
3. Updated Bridging Document between the Committee for Mineral Reserves International Reporting Standards Template and the United Nations Framework Classification for Resources. (Presented for approval at the EGRM-15, 22-26 April 2024).

## ■ Case study completed

4. UNFC case study on lithium, caesium and tantalum resources in Manitoba, Canada.

## ■ Plans for 2024-2025

5. Identifying probabilistic approaches to the classification of mineral resources.



# Injection Projects Working Group



- **Key Achievements**

1. Finalized Document: The updated supplementary specifications document has been finalized;
2. Review Progress: TAG has reviewed the updated supplementary specifications document.

- **Plans for 2024-2025**

1. Develop case studies.



# Groundwater Resources Working Group

- **Key Achievements**

1. Supplemental Specifications: Received several comments and concerns from the public during the consultation from November 2023 to January 2024;
2. Feedback Integration: Prepared a roadmap for considering and addressing public feedback.

- **Plans for 2024-2025**

1. Stakeholder Dialogues: Conduct several dialogues with the global water community.



# Petroleum Working Group

## ■ Existing UNFC Documents for Petroleum

1. Supplementary Specifications for the application of UNFC to Petroleum - 24 September 2021;
2. Bridging Document between the Petroleum Resources Management System and UNFC – 2023 Update - 28 April 2023;
3. Bridging Document between the Oil and Fuel Gas Reserves and Resources Classification of the Russian Federation of 2013 and UNFC - 28 April 2023;
4. Bridging Document between the National Standard of the People's Republic of China Classification for Petroleum Resources/Reserves (GB/T 19492-2020) and UNFC - 25 October 2022;
5. Many Petroleum Case Studies.

**Thank you former PWG Chairs Dr Satinder and Barbara Pribyl for the extremely useful and excellent input to the work of the PWG!**

**The new Chair of the PWG is Victor Babashev, Kazakhstan.**

## ■ Plans for 2024-2025

1. Preparation of financial reporting guidelines for resources and reserves for both PRMS and UNFC;
2. Case studies of oil and gas fields using the Bridging Documents between the Russian Classification and Chinese Classification for petroleum resources to the UNFC and mapping of the results.





# Renewables Working Group

- **Key Achievements**

1. GEOTHERMAL: UNFC Application: Applied for geothermal inventory at Waikato Region, New Zealand;
2. SICA Updates: GTG presented UNFC application in El Salvador and Costa Rica at EAGE's 2nd Geothermal Workshop. UNFC application instructed in the region by SICA's Energy Ministers Council. Workshop on direct use projects in Honduras and Nicaragua classified using UNFC.

- **Plans for 2024-2025**

1. SOLAR: Specification Update: Primary task to align Solar specifications with current UNFC version;
2. Develop case studies.



# Nuclear Fuel Resources Working Group

- **Key Achievements**

1. COP28 Contribution: Successfully contributed to COP28 with valuable insights and research;
2. Cleaner Electricity Collaboration: Collaborated effectively with the Group of Experts in Cleaner Electricity on the Carbon Neutrality Project.

- **Plans for 2024-2025**

1. Case Studies: Development of case studies to support the implementation of UNFC and UNRMS;
2. Implementation Support: Continue to support the implementation of UNFC and UNRMS.



# Anthropogenic Resources Working Group

- **Key Achievements**

1. G-axis Task Force: Actively participated in G-axis Task Force activities;
2. Horizon Europe Project: Associated with Futuram Horizon Europe project.

- **Plans for 2024-2025**

1. Case Studies: Development of case studies to support the understanding and management of anthropogenic resources;
2. Specifications Update: Initiate the update of the UNFC anthropogenic specifications.



# SDGs Delivery Working Group

## ■ Key Achievements

1. Intergenerational Concept Paper: Collaboration with Resource Management Young Management Group for EGRM integration;
2. Permitting Time Reduction: Utilizing AI and blockchain to cut permitting time from 18 years to 18 months;
3. Circular Economy Management: Focus on strategic and critical materials, aligning with Food, Energy, and Water (FEW) delivery and relevant SDGs;
4. UN/CEFACT Project Involvement: Contributing to systems interoperability and supply chain resource provenance certification;
5. International Fertilizer Association Contribution: Active participation in promoting sustainability in the fertilizer industry.

## ■ Plans for 2024-2025

1. Continued EGRM Collaboration: Ongoing work with Resource Management Young Management Group;
2. Further Permitting Improvements: Expand AI and blockchain applications to enhance efficiency;
3. Circular Economy Advancements: Develop strategies for managing supply and value chain in alignment with SDGs;
4. UN/CEFACT Project Development: Continue active participation to ensure system interoperability and certification progress.



# Resource Management Young Member Group

## ■ Key Achievements

1. Significant contributions to COP 28;
2. Developed Guidebook on Critical Minerals;
3. Workshop at the International Roundtable on Materials Criticality (IRTC) 2024;
4. UNFC for Beginners webinar on 15 March 2024.

## ■ Plans for 2024-2025

1. Inclusion of RMYMG Member in UNEA-6 conference, advocating for the inclusion of UNFC & UNRMS into Resolution 17 “Environmental aspects of minerals and metals management”, which is part of Cluster D: Addressing Root Causes of Triple Planetary Crisis;
2. Advocation of a Guidebook on Critical Minerals and Intergenerational Justice;
3. Organisation and execution of a resource-related session at the European Sustainable Energy Week 2024 in Brussels and Online (Co-Organised with the European Federation of Geologists);
4. Participation at UNFC panel at GeoSaxonia2024, keynote speech on intergenerational justice and equity in geosciences and the raw materials environment;
5. Participation at COP29 in Baku and organization of several sessions on responsible resource management and UNFC and UNRMS;
6. Continuous involvement of RMYMG members in EGRM working groups.



# Competency Working Group

- **Key Achievements**

1. Document Review: Actively reviewed "Model Requirements for Experts in Estimation of Reserves, Resources, and Development of Mineral Resources and to Competent Persons" by ICE-SRM Russia to align with international standards;
2. Webinar Support: Provided active involvement in organizing a UNFC webinar led by the Geological Society of South Africa on February 20th, 2024.

- **Plans for 2024-2025**

1. Continued Document Review: Complete and finalize the review of the ICE-SRM Russia document to ensure international alignment;
2. Webinar Follow-Up: Evaluate the impact and feedback from the UNFC webinar to plan future outreach and educational activities;
3. EGRM-15 Session Development: Collaborate with stakeholders to develop the proposed EGRM-15 session for presentation.



# Social and Environmental Considerations Working Group



- **The new Chair of the SEC WG is Carrie McClelland**
- **Key Achievements**
  1. Proactive Approach: Include social and environmental considerations in all UNFC documents.
- **Plans for 2024-2025**
  1. Integration Strategy: Develop and implement a comprehensive strategy to ensure that social and environmental considerations are consistently integrated into all UNFC documents.



# Women in Resource Management Working Group

- **Key Achievements**

1. Collaboration with UN Women: Enhanced collaboration and partnership initiatives with UN Women.

- **Plans for 2024-2025**

1. Guideline Document Development: Initiate the development of a new UNFC and UNRMS guideline document focusing on gender and human rights issues;
2. Partnership Expansion: Seek and establish partnerships with other relevant organizations to broaden the impact and reach of the working group's initiatives;
3. Webinar and New Activities: Organize webinars and launch new activities to promote gender equality and empowerment in resource management.





# Commercial Applications Working Group

## ■ Key Achievements

1. Comments on the International Sustainability Standards Board (ISSB) Sustainability Disclosure Standards Exposure Drafts on IFRS S1 General Requirements for Disclosure of Sustainability-Related Financial Information and IFRS S2 Climate-related Disclosures;
2. Providing input to ISSB's efforts to develop global sustainability financial reporting standards. Providing consolidated commercial applications for the industries;
3. Comments on the International Sustainability Standards Board Request for Information on Agenda Priorities for International Financial Reporting Standards Sustainability Disclosure Standards.

## ■ Plans for 2024-2025

1. Unified UNFC financial reporting template for all resources.



# Communications Working Group

## ■ Key Achievements

1. Continue to promote the UNRMS/UNFC in social media, newsletters and through new articles;
2. Support to events and workshops;
3. Support to the Petroleum working group with case studies.

## ■ Plans for 2024-2025

1. Organize video-podcasts with TAG chairs to broadcast on the UNFC website;
2. Training and promotion materials for UNFC/UNRMS including brochures, social media texts, videos, and other tools as appropriate;
3. Promote the development of case studies;
4. Develop other short video materials related to EGRM products (UNFC and UNRMS) and activities.



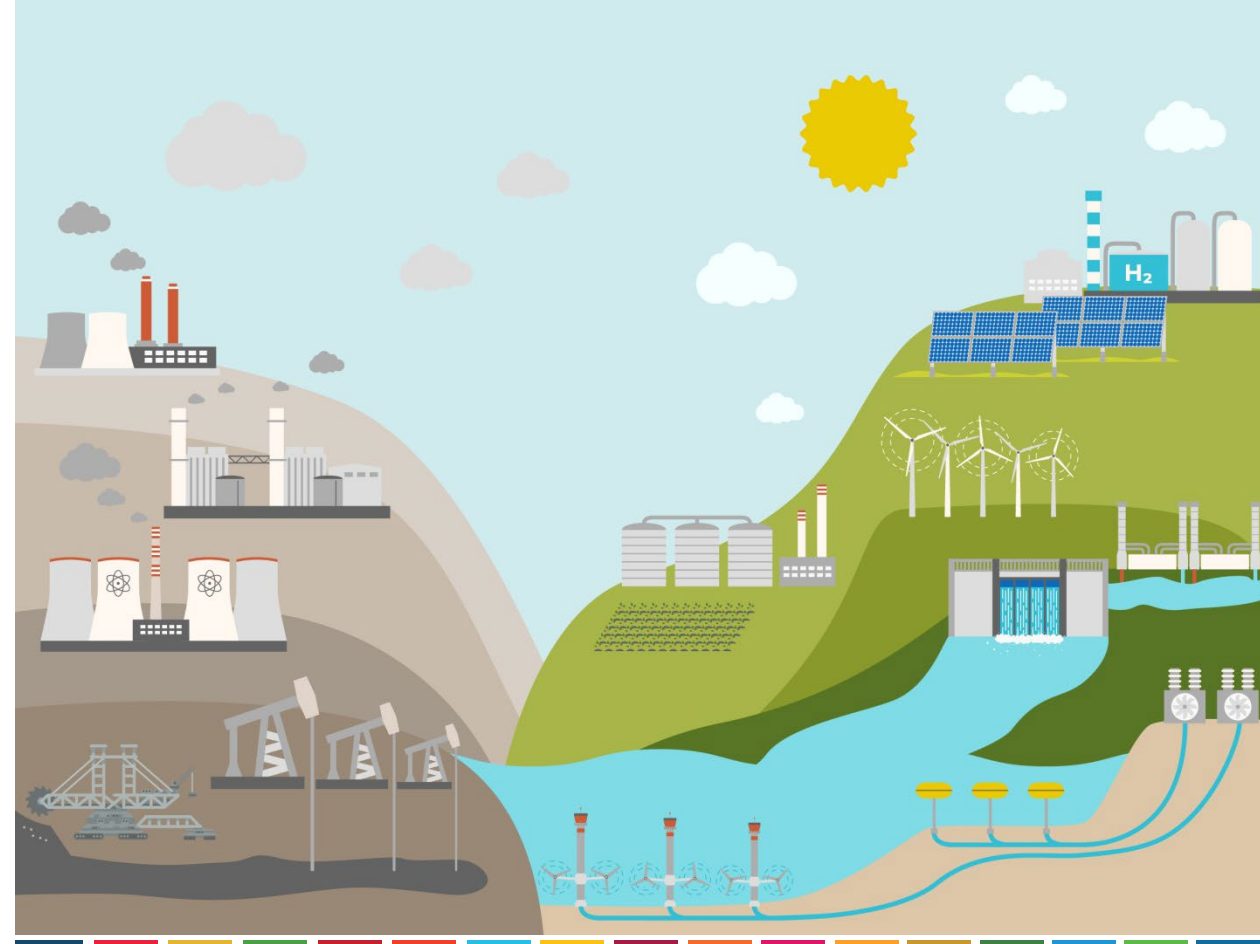
THE VIEWS EXPRESSED ARE THOSE OF TAG AND DO NOT  
NECESSARILY REFLECT THE VIEWS OF THE UNITED NATIONS.

# Thank you!

Alex Shpilman  
TAG Co-Chair

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Date 25 | 04 | 2024, Geneva



## RESOURCE MANAGEMENT WEEK 2024



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