

ACTIVITIES OF CWG 2022 - 2023

Carolina Coll
Chair Communication Working Group

Walker DARKE
Communications consultant EGRM Secretariat



RESOURCE MANAGEMENT WEEK 2023 ASSURING SUSTAINABILITY IN RESOURCE

MANAGEMENT



UNECE

Membership April 2023



- **Chair**

Carolina COLL, CGG

- **Members**

George AJDANLIJSKY, University of Mining and Geology "St. Ivan Rilski"

Benoit CHARPENTIER, Total

Walker DARKE, communications consultant EGRM Secretariat

Maria Isabel FERNANDEZ, Independent

David MACDONALD, Chair, Expert Group on Resource Classification

Ulises NERI, Executive Director ICE-SRM Latinamerica.

Cristina MARRAS ROBINSON, Saipem, SPE Italy

Thomas SCHNEIDER, Ryerson University

Gahdi SABRA, RMYMG representative

- Anita STEIN, Communications Manager at the European Federation of Geologists.
- Hua YANG, Research Institute of Petroleum Exploration and Development, CNPC
- Rui ZHENHUA, Massachusetts Institute of Technology (MIT)
- Secretary, Expert Group on Resource Classification

Looking for two new members

Communication and education strategy



Objectives:

- **Spread the word** on United Nations Framework Classification for Resources (UNFC) and United Nations Resource Management System (UNRMS)
- **Attract experts** to the various Working Groups and other activities of the Expert Group
- Channels and activities
 - **Promotion** at conferences and workshops
 - **Webinars**
 - Publications and papers
 - Websites
 - Brochures
 - Social media



Resource Management Young Member Group (RMYMG)

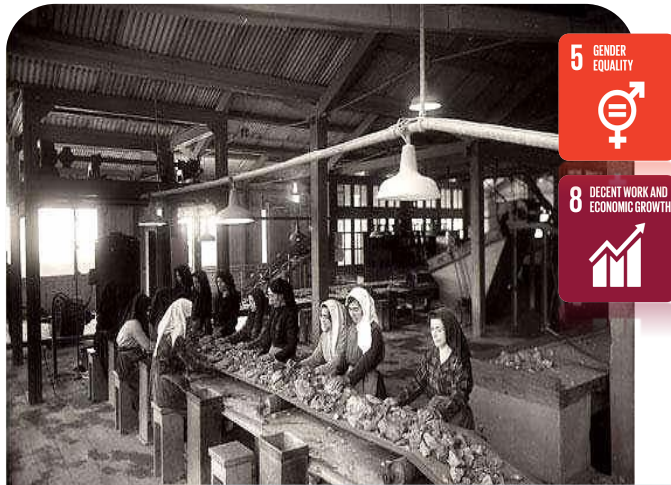


- **TOR was formally approved by the EGRM in March 2021** included mainly students and young professionals as the potential members for this group.
- A **revised TOR document** has been submitted to the EGRM 14 in April 2023 **extending the remit of the group beyond students and young professionals** including other communities e.g., environmental activists, other young groups
- The group will be a **subgroup of the CWG.**
- CWG is **looking at the best communication channels and platforms** to engage with young communities including for example the use for the UNFC website, facebook or LinkedIn.
- The CWG is also evaluating the **requirements for specialized training material** tailored to this group.



Women Participation

From the dawn to the future of Resource Management



The EGRM Women in Resource Management Initiative was launched in 2019 to channel activities that promote gender and diversity within the framework of sustainable resource management, with a particular focus on the Micro, Small and Medium Enterprises (MSME) sector.

The EGRM Women in Resource Management has worked to accelerate promotion, support and discussion around women participation in resource management through sharing challenges, successes, and best practices, leveraging on industry, professional associations, policy makers, and academia.

Webinars:

- Women in Mining: Global Perspective: Cases and Best Practices from Australia and South Africa - October 2020
- A new social contract on natural resources: Focus on women advancing Net Zero in oil and gas - April 2021
- Critical Raw Materials in Vulnerable Geographies: Impact on Women - March 2023)

Workshop:

- Women entrepreneurship in natural resource management: Challenges and opportunities for the micro-, small, and medium enterprises (MSME) sector in the post-COVID-19 socio-economic recovery - Dec 2020

Papers & conferences:

- SPE ATCE - 205898-MS (2021) – AAPG/SEG Image - Sustainability Paper 3584642
- Sustainability Panel of the **SPE Young Professionals Global Congress**, 13 November 2021

Articles:

- Chartered Engineers Chapter of Rome, Special Publication on Women in Natural Resources Management



The working group looks forward to provide further inputs to the work of the EGRM, through the UNRMS and initiatives connected to the International Centers of Excellence

Examples Dissemination and Knowledge sharing



Initiatives for the development of pilot studies and workshops the application of the UNFC and UNRMS has continued.

1. **ICE SRM Mexico** have continued with engagements in different countries in South America including Chile, Perú, Ecuador and Colombia to evaluate **options to develop pilot and implementation projects.**

2. **CWG China membership has continued supporting other groups**
 - The First BRICS Energy Cooperation Forum of ‘Deepening BRICS Energy Cooperation for Green Transition and Development’ —— Beijing, 21 June 2022
 - The 7th International CCUS Forum ‘For a shared Low-carbon Future’. Beijing, 17-18 March 2023
 - ERG as a partner successfully support establishing UNESCO Chair in “Green Transition for Carbon Neutrality and Climate Change”, Chaired by Prof. Ray(Zenhua) Rui, Jan 9, 2023
 - 2023 International CCUS Conference & The Unveiling Ceremony of UNESCO Chair in “Green Transition for Carbon Neutrality and Climate Change”, Led by Prof. Ray(Zenhua) Rui, , Beijing, 14-15 April 2023,

Publications and Workshops Reports



- The critical focus of the Working Group continues to be the **promotion of UNFC and UNRMS in events and conferences**, most of them now online, to facilitate the widespread use of UNFC and UNRMS for resource management.
- There has been more than 90 papers and presentation of UNFC/UNRMS in 2022 with more than 17 papers so far in 2023



Online training workshop
Women entrepreneurship in natural resource management: Challenges and opportunities for the micro-, small, and medium enterprises (MSME) sector in the post-COVID-19 socio-economic recovery



Under the pandemic scenario and within reach of its activities, the Women in Resource Management Initiative has been responsive to the global efforts to rebuild societies.

Gender empowerment and support to micro, small and medium enterprises (msme) within the resource management sector is critical for a sustainable post pandemic recovery.

Within this driving force, [Kankana's](#) study on challenges and opportunities for Women in MSMEs, is instrumental to the Women in Resource Management objectives and as such is greatly integrated within the framework of the working group activities.

WOMEN ARE ON THE FRONT LINES OF FIGHTING THE CORONAVIRUS



WOMEN ACCOUNT FOR 70% OF HEALTH AND SOCIAL WORKERS



Example Workshops & Webinars

2021-2023



- **Sustainability and Agenda 2030 Workshop-** Including UNFC-UNRMS
 - Place: National Oil Company, PEMEX, Mexico
 - Date: November 2022
- **Workshop on Energy Transition and Sustainability**, a shared responsibility in the Framework of the 2030 Agenda
 - Place: Veracruz, Mexico
 - Date: November 2022
- **5th Event on the United Nations Framework Classification for Resources and the United Nations Resource Management System: “Accelerating Implementation of UNFC in Europe”**
 - Place: Brussels, Belgium
 - Date: November 2022
- **Critical Raw materials in vulnerable geographies: Impact on Woman**
 - Place: Resource Management Week - Session 8
 - Date: 23th March 2023

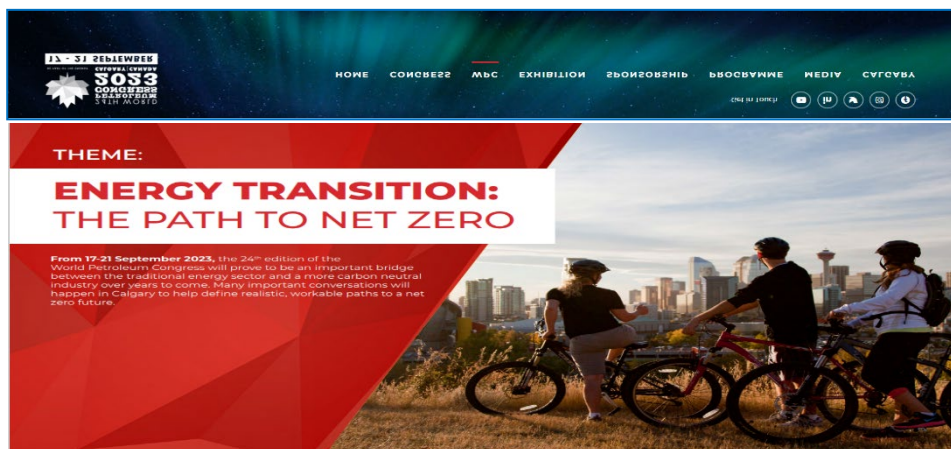
Examples Events

2023



UNECE

UNFC/UNRMS events in 2023: WPC24 and WGC7



➤ WPC24 (Calgary, Canada, 17-21 September, 2023) :

- Panel Session
Beyond Reserves: How UNFC and UNRMS Can Help the Petroleum Sector Achieve Net Zero
- Workshop
How to Apply UNFC and UNRMS to Petroleum Resources: Case Studies on ESG and SDG Alignment



➤ WGC7 (Beijing, China, 2-6 September 2023):

- EGRM/UNFC-UNRMS Session (4-6 Sep.)
Green Energy Enabling Sustainable Development in China and Beyond
- Short Course (2-3 Sep.)
Integrated Resources Management Systems for Energy Transformation and High-Quality Development

Uberization UNRMS/UNFC



CWG has continued to support the so called "**Digital UNFC: Uberization**" started in 2020 to promote the development of digital applications for UNFC to facilitate the use amongst practitioners.

- Different **software companies expressed their interest** in the development of a digital application for UNFC.
- CWG **developed a minimum viable tool for visualisation of the UNFC** which will be enriched with the proposal of the development of UNFC adoption standards,
- Any group interested in using this minimum viable tool can use it (**contact Matthias Hartung, matthias.hartung@wintershaldea.com**)



Uberization UNRMS/UNFC



The screenshot displays the FLUXBLE Energy Server interface. On the left, a world map shows various project locations marked with colored dots. The right side of the interface is divided into two main sections: 'ADD FILTER' and 'PROJECT DETAILS'.

ADD FILTER

- Select Continent/Country: [Dropdown]
- Select Resource Type: [Dropdown] (Options: HC, Solar, Wind, Geothermal, Hydro)
- Select Resource Classes: [Dropdown] (Options: 111, 112, 113)
- Select Resource Range: [Dropdown] (Options: 0.5 - 1.0 Exajoule)
- Select Social Measure: [Dropdown] (Options: Employment-Operational > 50, Employment-Construction > 1,000)
- COMPARE
- Select Projects: [Dropdown]

PROJECT DETAILS

GLASS POINT MIRAHAH SOLAR TO STEAM

Continent: Asia

Country: Oman

Resource Type: Solar

Lifecycle Duration [years]: 20

UNFC Resource Estimate – Project Units [MW]

Unit	111	112	113
Resource Estimate	1,050	250	500

Lifecycle Resource – 111 [Exajoule]: 0.66

Eqv. CO2 Emissions [g/MJ]: 13.9

Construction Duration [years]: 3.5

Employment-Construction [FTE]: 1,100

Employment-Operational [FTE]: 75

Financing Request [MM\$]: 90

Access to presentation:

<https://unece.org/isu/documents/2021/04/presentations/achieving-common-information-structures-comprehensive> .

Website and promotional material



• Website:



- Expert Group and UNECE web pages on the UNECE website are regularly updated to improve accessibility, re-organize existing information, and add new material. Dedicated EU project website and Frequently Asked Questions webpage support the implementation of the project.

• Social Media:



- UNECE Sustainable Energy created a LinkedIn page which has gained over 50,000 views since its creation in August 2022. Flagship events like COP27 and EU Raw Materials Week contributed to increased engagement on social media.
- A LinkedIn Group for Woman in Resource Management Group was created in 2021 *to create traction on the working group activities; this will be changed to a page to allow more followers and greater engagement. Access to the group at this link:*
<https://www.linkedin.com/groups/9056564/>

• Promotional Materials:

- Explainer: United Nations Framework Classification for Resources
- United Nations Framework Classification: Cross Resource Comparison

The screenshot shows the LinkedIn profile for 'UNECE Sustainable Energy', an organization in Geneva with 717 subscribers. Below the profile is a post for the 'EGRM Women in Resource Management' group, which has 37 members. The post includes the UNECE logo, Sustainable Development Goals icons, and the text 'Promoting and Advancing Gender Participation in Resource Management'. There are 'Following' and 'View page' buttons for the profile, and a 'Subscribe' button for the newsletter, and a 'Join' button for the group.

Summary of activities communication EGRM



- **Impact in Media**

- Published 30 News & Press Releases (15 on UNFC) and 3 Executive Secretary Blogs generating 761 news articles, of which 94 were about UNFC (2022)

- **Impact Online**

- 50,000 views across 55 posts on UNECE Sustainable Energy

- **Impact in Person**

- SED hosted 41 events and workshops, of which significant number related to sustainable resource management. (2022)

Future Work Plans



Future Activities

- The **Communications Sub-Committee** carry on working according to its Terms of Reference, continue its efforts to implement the agreed Communications and Education Strategy.
- **Support the development of the vision and mission statements of the Expert Group** and any updates on UNFC/UNRMS.
- **Develop and implement a strategy to attract experts** to voluntarily work in the various Working Groups of the Expert Group.
- **Support the Centres of excellence** in the communication and outreach as required.
- **Develop social media and other** outreach activities to promote UNRMS/UNFC
- **Create and maintain promotional materials** including presentations consistent with requirements of the Expert Group on Resource Management (e.g. video by Woman in Energy)
- **Efforts will continue to support the RMYMG** young members Group and **Woman in Energy** to consolidate the membership and support outreach
- **Continue to promote and support UNRMS/UNFC Uberization** the use of UNFC for digital applications

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The 7th International CCUS Forum 'For a shared Low-carbon Future'

— Beijing, 17-18 March 2023



UNECE

➤ Guided by:

- ACCA 21

➤ Hosted by:

- CTSA-CCUS;
- China National Petroleum Cooperation (CNPC)

➤ Organized by:

- RIPED, CNPC
- Kunlun Digital Technology Co. Ltd.



Key Notes



Youth Academic Session

2023 International CCUS Conference The Unveiling Ceremony of UNESCO Chair in Green Transition for Carbon Neutrality and Climate Change

— Beijing, 14-15 April 2023



UNECE

Organized by:

- China University of Petroleum-Beijing
- UNESCO Chair in Green Transition for Carbon Neutrality and Climate Change
- Worldwide Energy Universities Network
- UNESCO Institute for Information Technologies in Education
- International Centre for Engineering Education Under the Auspices of UNESCO

➤ **Conference Themes:** Innovate CCUS technology to promote green transformation

➤ **Number of onsite participants:** 600

➤ **Online participants:** over 80000

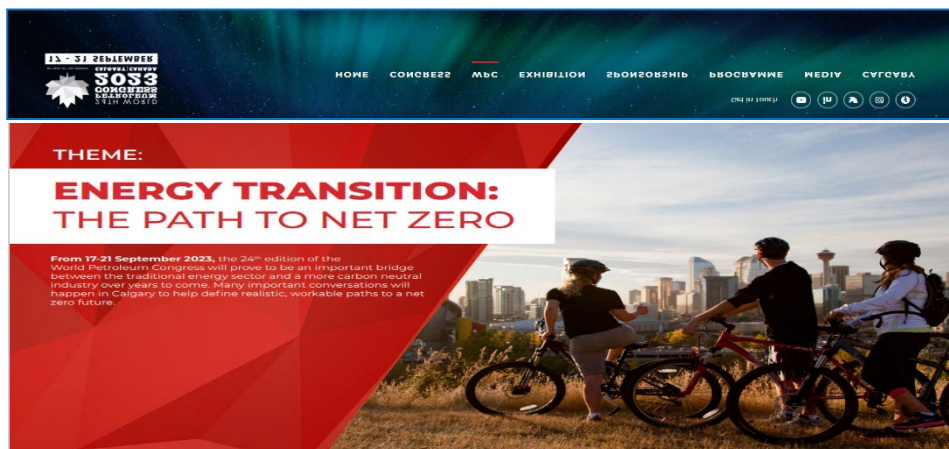


Conference Site



Academic Session

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