# To: Members of the Bureau of the UNECE Expert Group on Resource Management

From: Karen Hanghoj, Charlotte Griffiths, Hari Tulsidas and Slavko Solar

Call of the Bureau of the Expert Group on Resource Management (EGRM)
Via Teams – 15:00 CEST, 6 September 2023
MINUTES

	Present	Apology
Karen Hanghøj, United Kingdom (Chair)	$\boxtimes$	
Hussein Allaboun, Jordan		$\boxtimes$
Viktor Babashev, Kazakhstan	$\boxtimes$	
Andrew Cross, Australia	$\boxtimes$	
Glen Burridge, EFG		$\boxtimes$
Mücella Ersoy, Turkey	$\boxtimes$	
Gioia Falcone, IGA	$\boxtimes$	
Andrzej Głuszyński, Poland	$\boxtimes$	
Sarah Forbes, United States of America	$\boxtimes$	
Milan Grohol, EC DG GROW	$\boxtimes$	
Alternate Robert Tomas, EC DG GROW		$\boxtimes$
Julie Hollis, EuroGeoSurveys	$\boxtimes$	
Erika Ingvald, Sweden	$\boxtimes$	
Marit Kitaw, AUC		$\boxtimes$
Alternate Tunde Arisekola, AMDC		$\boxtimes$
Branka Knežević, Bosnia and Herzegovina		$\boxtimes$
Stig-Morten Knutsen, Norway	$\boxtimes$	
Young Joo Lee, CCOP		$\boxtimes$
Alternate Songyang WU		$\boxtimes$
Luis Lopez, OLAMI	$\boxtimes$	
David MacDonald, Independent Expert		$\boxtimes$
Henri Paillere, IAEA		$\boxtimes$
Alternate Adrienne Hanly, IAEA		$\boxtimes$
Teresa Ponce de Leão, Portugal	$\boxtimes$	
Ulises Neri, Mexico	$\boxtimes$	
Satinder Purewal, TAG Co-Chair	$\boxtimes$	
Alexander Shpilman, TAG Co-Chair	$\boxtimes$	
Charlotte Griffiths, UNECE	$\boxtimes$	
Hari Tulsidas, UNECE	$\boxtimes$	
Slavko Solar, UNECE	$\boxtimes$	
Walker Darke, UNECE	$\boxtimes$	
Ghadi Sabra, UNECE	$\boxtimes$	

# **Draft Agenda**

- 1. Approval of Draft Agenda
- 2. Minutes of Bureau Meeting
- 3. EGRM Governance
- 4. ICE-SRMs Governance
- 5. UNECE Resource Management Week 2024 & EGRM-15
  - (a) Documents

- (b) Theme
- (c) Format for the Week
- 6. Update on UNFC Adoption Group
- 7. Update on G-axis Task Force
- 8. Updating UNFC Specifications to align with UNFC (2019)
- 9. UN ECOSOC endorsement of UNRMS
- 10. TAG Update
- 11. Cooperation with SPE on Geothermal
- 12. UNECE Sustainable Energy Week 2023
  - (a) Session on Critical Raw Materials
  - (b) Draft CSE-32 Conclusions and Recommendations
- 13. Update on Projects
  - (a) Implementation of EC-funded project on UNFC and UNRMS Phase I
  - (b) Extrabudgetary project proposals
    - (i) EU UNFC and UNRMS Project Phase II
    - (ii) UK UNRMS Circular Materials Project
- 14. Update on Working Group on Transforming the Extractive Industries for Sustainable Development
- 15. Education, outreach, and communications
- 16. Date of next call
- 17. Any other business

## **Documentation:**

- 1. Draft agenda for Bureau Meeting on 6 September 2023
- 2. Minutes for Bureau Meeting on 27 June 2023
- 3. Criteria for ICE-SRM Designation and ToR for ICE-SRM (as approved by EGRM-11, September 2020)
- 4. EGRM-15 Documents Draft List
- 5. G-axis Task Force ToR and Membership
- 6. Responses to G-axis Task Force ToR and Proposed Members
- 7. ECOSOC Resolution on UNRMS
- 8. TAG Update
- 9. Injection Projects Working Group response to public consultation on industrial carbon management under European Green Deal
- 10. Draft Agenda CSE-32 Session on Critical Raw Materials
- 11. Draft CSE-32 Conclusions and Recommendations
- 12. Draft Project Proposal EU UNFC and UNRMS Project Phase II
- 13. Draft Project Proposal UK UNRMS Circular Materials Project
- 14. List of events in 2023 and 2024

#### Item 1. Approval of Draft Agenda

Documentation: Draft Agenda for Bureau Meeting on 6 September 2023

1. The draft agenda was approved.

# Item 2. Minutes of Bureau meeting of 27 June 2023

Documentation: Minutes for Bureau Meeting on 27 June 2023

2. The draft minutes of the Bureau meeting of 27 June 2023 were circulated on 5 July. No comments were received. The minutes have now been posted to the UNECE website.

#### Item 3. EGRM Governance

3. The Chair summarised the discussion from the previous meeting on consensus, the future of EGRM governance, and ways of working. The Chair has sought to meet individually with Bureau

members over the summer, and the newly formed small ad hoc working group of Bureau members working on governance will scale up progress rapidly.

4. Bureau members supported progress on this work and enquired about the practicalities. The Chair underlined that this working group would only make proposals and not decisions and would report back to the Bureau with some options. A number of Bureau members emphasized the need for speed regarding the activities of EGRM and that the governance work and any possible changes that might emerge should not in any way delay the work of EGRM including its Working Groups.

#### Item 4. ICE-SRMs Governance

<u>Documentation</u>: Criteria for ICE-SRM Designation and ToR for ICE-SRM (as approved by EGRM-11, September 2020)

- 5. The criteria for ICE-SRM designation and the generic Terms of Reference for ICE-SRM, as approved by EGRM-11 in September 2020, were circulated as part of the documentation for the call.
- 6. The proposed model is for UNECE to establish a Network of ICE-SRMs once there is a critical mass of ICE-SRMs and for the Network to be coordinated by UNECE, including through the potential establishment of a Centre. If an ICE-SRM meets the criteria agreed by the Bureau/EGRM/UNECE, then a generic MoU would be entered into with UNECE and the ICE-SRM. If the ICE-SRM is not a government entity, then due diligence would need to be carried out by UNECE. The generic MoU will be an adapted version of the generic MoU established for UNECE's Centres of Excellence on High-Performance Buildings.
- 7. A presentation was given on the main challenges and opportunities of the ICE-SRM in Latin America, including clarifications on how the UN and the ICE-SRMs are closely aligned. Areas of discussion leading on from the presentation centred around due diligence of potential centres, as well as future taxonomies of ICE-SRMs, including areas of support and collaboration. It was also noted that newly established ICE-SRMs would need support in the initial phase.
- 8. At present, there is expected to be a critical mass of ICE-SRMs, around 3 or 4, with geographical variation.
- 9. The Chair proposed forming a small group to work on revising the ToR with support from the secretariat. Gioia, Ulises and Victor volunteered their support.

# Item 5. UNECE Resource Management Week 2024 & EGRM-15

## (a) Documents

<u>Documentation</u>: EGRM-15 Documents – Draft List

- 10. A draft list of potential parliamentary documents was circulated as part of the documentation for the call. The list included the following documents:
  - Provisional Agenda
  - Report
  - Revised EGRM ToR and Mandate
  - Updated Specifications for the Application of UNFC to Injection Projects
  - Specifications for the Application of UNFC to Groundwater
  - UNRMS Case Study
  - Updated UNFC-CRIRSCO Bridging Document
  - UNFC Adoption Group Update
  - G-axis Task Force Update
- 11. The Chair noted that the list is also with the Working Group Chairs for comment. Some Working Group Chairs have already provided feedback, such as the Chair of the Commercial Applications Working Group proposing the UNRMS Case Study be renamed as UNRMS Application and requested adding an English-only document, "UNFC and UNRMS facilitating commercial decisions".

- 12. Members of the Bureau suggested further documents that could be included as parliamentary documents. These included documents on Mining, Oil and Gas examples using UNRMS, case studies focusing on critical raw materials and hydrogen, and revised ICE-SRM criteria and ToR.
- 13. The Bureau highlighted the positives of the peer-reviewed documents at the UN level as great benchmarks. Furthermore, members pointed towards the existing mandate on UNRMS to support the inclusion of documents on this topic.
- 14. The Chair noted that the list of documents can be modified, including the document titles, up until 15 weeks before EGRM-15. Documents, however, cannot be added to the list.
- 15. A Bureau raised concerns over case studies being published that are not peer-reviewed, citing the example of a geothermal case study in Albania issued recently.

#### (b) Theme

- 16. The current proposals are:
  - a. Resource Management for Climate Action
  - b. Resource Management for Social Inclusion
  - c. Resource Management for a Circular Economy
- 17. Bureau members were largely not supportive of the themes proposed and suggested the following:
  - a. Resource Management for Sustainability
  - b. Resource Management for Security
  - c. Resource Management for Resilience
  - d. Resource Management for Responsibility
  - e. Resource Management for Earth, People and Planet
  - f. Resource Management for Responsibility to the Planet?
- 18. There was support for using the 2022 theme of "Assuring sustainability in resource management".

## (c) Format for the Week

- 19. The Week will cover five days, 22-26 April 2024. It is planned to be in-person only unless current UNECE rules change.
- 20. The Bureau discussed the meeting format, with some expressing support for a main schedule and side events. The logic of the five-day system is to include simultaneous interpretation for all events, as this is only available in the main meeting room. The proposal is to start with a workshop for 1-2 days, then hold the opening ceremony on Tuesday afternoon or Wednesday morning and finish early afternoon on Friday as most participants leave then.
- 21. The Chair noted that the UNECE Resource Management Week 2024 & EGRM-15 should have a clear and coherent theme and various sessions on current trends and different aspects of resource management. The aim is that sessions should be interactive, balanced as well as diverse and representative, reflecting the geographical, sectoral, stakeholder and gender diversity of the UNECE Region and beyond. The TAG Co-Chair highlighted the need for a holistic approach focused on people, the planet and prosperity.

## Item 6. Update on UNFC Adoption Group

- 22. The UNFC Adoption Group has finalized its core member list covering a range of themes and stakeholders. New additions to the membership are Kerstin Brinnen (LKAB, Sweden), Damian Brett (World Bank) and Ulrich Kral (Environment Agency Austria).
- 23. The work of the Group will commence at a hybrid workshop hosted by the Norwegian Petroleum Directorate in Stavanger, 7-8 September. The programme includes deep dives on the E Axis: UNFC applied to environmental, social and economic decisions and the F Axis: UNFC applied to value chain decision support.
- 24. The goal remains to present the UNFC Adoption Group work at EGRM-15, highlighting key barriers and recommendations to mitigation for widespread UNFC adoption for decision support in sustainable resource management.

## Item 7. Update on G-axis Task Force

<u>Documentation</u>: G-axis Task Force ToR and Membership

Responses to G-axis Task Force ToR and Proposed Members GRM Work Plan for

2024-2025 as revised after EGRM-14

25. The proposed Terms of Reference for the G-axis Task Force and the Membership list were circulated. The responses to the outreach with the TAG and WG Chairs on the G-axis Task Force Terms of Reference and the Proposed Members were also included as part of the documentation for the call.

- 26. The G-axis Task Force plans to hold its first call on 12 September. The meeting will focus on the activities, milestones, and work plan for the Task Force. The parliamentary document for EGRM-15 will also be discussed. The document might summarize the differences in how the G axis is interpreted and applied, clarify the consequences of that and identify options, and propose guidance and recommendations for consideration by EGRM.
- 27. The Bureau approved the draft ToR and took note of the membership list.

# Item 8. Updating UNFC specifications to align with UNFC (2019)

- 28. The Technical Advisory Group is fully committed to carrying out a range of initiatives as specified in the UNFC roadmap at EGRM-14. One of these initiatives involves updating Injection Project Specifications, while another crucial undertaking is the commencement of work on updating the Anthropogenic Resource Specifications. The newly invigorated Renewable Energy Working Group is actively working to update the Solar, Wind, and Bioenergy specifications as part of its ongoing efforts.
- 29. The representative of Sweden noted that the E and F axes are applied differently to primary and secondary resources and that this would need to be addressed going forwards.
- 30. The Co-Chair of the Renewable Energy Working Group noted that the work on injection projects, anthropogenic resources and geothermal resources overlap on underground thermal heat and waste heat. She proposed undertaking an overlapping case study. She also proposed that the Chairs of the three Working Groups should meet.

#### Item 9. UN ECOSOC endorsement of UNRMS

Documentation: ECOSOC Resolution on UNRMS

- 31. The United Nations Economic and Social Council (ECOSOC) endorsed UNRMS for global application on 25 July 2023. This endorsement paves the way for the global application of UNRMS, offering potential benefits to countries and companies looking to manage natural resources sustainably.
- 32. ECOSOC's endorsement via Resolution E/RES/2023/19 demonstrates the commitment of the UN system to support countries and companies in achieving a paradigm shift towards a circular economy that respects planetary boundaries and human rights, in line with the UN Secretary-General's strategy for extractive industries.
- 33. UNECE issued a press release on 30 August "ECOSOC endorses UNRMS, paving the way for the implementation of sustainable resource management principles worldwide".
- 34. UNECE, in cooperation with its stakeholders, will continue to provide technical support and guidance to apply the UNRMS Principles and Requirements in different contexts and sectors.
- 35. The Chair congratulated the Chair of the UNRMS Sub-group, the secretariat, and everyone else involved in developing the UNRMS Principles and Requirements.

# Item 10. Technical Advisory Group Update

Documentation: TAG Update

Injection Projects Working Group response to public consultation on industrial

carbon management under European Green Deal

36. The Technical Advisory Group is scheduled to have a call on 8 September. The updates provided were as follows:

- 37. **Minerals Working Group**: Completion of a first draft and review of the UNFC and CRIRSCO Template Bridging Document. Revisions are being worked on, and work is ongoing with the Competency Working Group to ensure alignment of the standards. The WG hopes to launch the copublished Bridging Document at the EU Raw Materials Week in Brussels to support the uptake of UNFC. Support is also being given to the organisation of a webinar on UNFC by the Geological Society of South Africa, which will be held online in February 2024. Industry representatives have been contacted regarding developing new Case Studies.
- 38. **Groundwater Working Group**: The revised draft of supplemental specifications is ready for public comments. Three case studies for testing UNFC/RMS are being considered: Mexico/Sonora, South Africa (& Namibia/Botswana), and a Polish case study. UNFC for groundwater was presented at the GSEU project meeting. GRWG work will be presented at the September IAH conference in Cape Town.
- 39. **Commercial Applications Working Group**: The WG held four calls and one with ISSB representatives to develop submissions to ISSB. The WG submitted a comment letter on the SASB Standards and a response to ISSB's request for information.
- 40. **Injection Projects Working Group**: Updating the specifications. Submitted feedback to "Public consultation launched on industrial carbon management under European Green Deal" (https://energy.ec.europa.eu/news/call-evidence-and-public-consultation-launched-industrial-carbon-management-under-european-green-2023-06-09\_en). Promoted the importance of UNFC as a tool to manage CO<sub>2</sub> storage portfolios and overcome barriers. A presentation was given at a webinar on the Application of UNFC in the context of CCS and Hydrogen Storage Mapping.
- 41. **Anthropogenic Resources Working Group**: In June 2023, a UNFC presentation was given at the e-Waste Expo in Frankfurt. Support is being provided to develop a reporting template aligned with the proposed EU Critical Raw Materials Act. A resource classification session will be supported at the Industrial Ecology 2023 Conference in Leiden, along with setting up the EGRM G-axis Task Force. An informal meeting will be held to explore potential collaboration opportunities. Finally, a talk on Introduction to UNFC will be given at an online webinar for the Geological Society of South Africa in February 2024.
- 42. Furthermore, the Bureau noted that the newly formed **Resource Management Young Member Working Group** has been leading the way in showing initiative in its recent positive actions since its formation.
- 43. TAG is preparing to contribute to the World Petroleum Congress in Calgary, Canada, with a designated slot.
- 44. The **Petroleum Working Group** will shortly be seeking a new Chair. The Bureau thanked the current Chair, Barbara Pribyl, for her hard work and leadership.
- 45. Participants noted more must be done to share the recognition for EGRM volunteer members, with the suggestion of certificates for them.
- 46. The TAG Co-Chair noted that the WGs update had been circulated to the Bureau.
- 47. The Chair thanked the TAG Co-Chairs and members for their efforts and hard work.

## Item 11. Cooperation with SPE on Geothermal

- 48. The Chair noted that the Society of Petroleum Engineers (SPE) wishes to operate in the geothermal space. At the 'SPE workshop on Reservoir Aspects of Geothermal Systems' held in Texas in August, a presentation was delivered on 'Can the SPE-PRMS Give Insight to the Classification and Quantification of Geothermal Resources?'. The Co-Chair of the Renewable Energy Working Group Co-Chaired the session where this presentation was delivered and presented on the UNFC Geothermal Specifications after that.
- 49. This presentation led to an interpretation that SPE's work and plans to develop a Geothermal Resource Management System (GRMS) potentially poses a threat to EGRM's work. Therefore, Bureau members are looking to proactively encourage SPE to use UNFC and its geothermal specifications rather than "reinventing the wheel".
- 50. At the workshop, the SPE President summarised that the SPE community is largely unaware of the existing links between the work of UNECE and that of SPE; they are largely unaware of the Bridging

Document between PRMS and UNFC, and that until recently the SPE OGRC was represented in the EGRM Bureau

- 51. The Bureau supported the call for measured collaboration with SPE. It proposed channelling SPE's efforts towards a UNECE-SPE-International Geothermal Association (IGA) collaboration to develop a set of quantification case studies for deep geothermal. It was also noted that SPE focuses on CCUS, and there was an opportunity for collaboration in that area. SPE was invited to contribute to the development of the UNFC specifications for Injection Projects, but SPE chose to develop and publish its own CO<sub>2</sub> Storage Resources Management System (SRMS) in 2017, followed by an update in 2022. It was proposed that developing Bridging Documents between UNFC and SRMS and the future GRMS could be considered.
- 52. Some members expressed discomfort for those working in organizations (particularly academia) who seek not to work too closely with the petroleum industry.

## **Item 12. UNECE Sustainable Energy Week 2023**

<u>Documentation:</u> Draft Agenda CSE-32 Session on Critical Raw Materials

Draft CSE-32 Conclusions and Recommendations

#### (a) Session on Critical Raw Materials

- 53. A half-day session on Critical Raw Materials will be organized during the 32<sup>nd</sup> Annual Meeting of the Committee on Sustainable Energy. The CRMs Session will be during the afternoon of 13 September from 3-6 pm Geneva time. The draft agenda for the session was included as part of the documentation for the call.
- 54. Accessing raw materials is crucial for the low-carbon energy transition, digital technologies, and healthcare. However, some challenges and risks impact the demand and supply of these materials, such as geopolitical tensions, environmental impacts, and market distortions. Policy options like diversifying primary sources, promoting a circular economy, and increasing investments should be combined with adopting UNFC and UNRMS to enhance the resilience and sustainability of the critical raw materials value chain.
- 55. The session will focus on Central Asia, and the Chair of the Bureau will moderate the session.
- 56. The other speakers include Victor Babashev, EGRM Vice-Chair; Elisa Tonda, UNEP; Christophe Xerri, Senior Consultant and EGRM member; Alessandra Hool, ESM Foundation; Tatiana Aguilar, World Economic Forum; Chokan Laumulin, Vice-Chair, Committee on Sustainable Energy; Azimjon Kholikov, Uzbekistan; Rahmonbek Bakhtdavlatov, Tajikistan; and Arkady Rogalsky, Kyrgyzstan.

## (b) Draft CSE-32 Conclusions and Recommendations

57. The Draft CSE-32 Conclusions and Recommendations were included as part of the documentation for the call. A number of Conclusions and Recommendations relate to UNFC and UNRMS, these are largely in section 4. The EGRM Work Plan for 2024-2025 is also being submitted to the Committee for approval.

# **Item 13. Update on Projects**

<u>Documentation:</u> EU UNFC and UNRMS Project Phase II UK UNRMS Circular Materials Project

## (a) Implementation of EC-funded project on UNFC and UNRMS

- 58. The four-year so-called "EU Project" ended its third year in July 2023. The first half of 2023 focused on activities related to operationalizing the UNFC provisions in the EU Critical Raw Materials Act proposal. DG GROW, UNECE EGRM and two Horizon Europe projects (FutuRam and Geological Service for Europe (GSEU)) are coordinating to develop the reporting templates called for in the proposed EU Critical Raw Materials Act as well as planning promotional and capacity-building activities for the period before and after the adoption of the proposed EU CRMs Act.
- 59. A number of events on promotion and capacity-building for UNFC implementation by the EU Critical Raw Materials Act proposal are in preparation. The key event will be during the EU Raw Materials Week on 16 November in Brussels.

60. The Chair noted the Bureau's thanks and appreciation for DG GROW's ongoing support of the work on UNFC and UNRMS.

# (b) Extrabudgetary Project Proposals

- (i) EU UNFC and UNRMS Project Phase II
- 61. The second phase of the EC-funded project on UNFC and UNRMS project is in the pipeline, and it is hoped it will start in 2024. It will last for 4 years, with a budget of Euros 3 million euros. The project proposal will be presented to the UNECE Executive Committee at its meeting on 9 October 2023 for approval. The concept note and description of the Action are in preparation the main features of the content have already been agreed with the donor (EC DG GROW). Content-wise the project will be a continuation of the first phase with an emphasis on Critical Raw Materials Act developments and implementation of the Act after adoption.

# (ii) UK UNRMS Circular Materials Project

- 62. A Project Proposal on "Implementing the United Nations Resource Management System for Circular Materials and Sustainable Resource Management in the UNECE Region" has been developed for USD 480,000 funded by the UK Government.
- 63. The project aims to enhance UNECE member States' capacity to manage resources sustainably using UNRMS. It will develop technologies, policies and business models to enable circularity and sustainability of resources, reducing carbon emissions and promoting durable goods. Key areas include reducing resource use and carbon emissions in construction materials, responsibly sourcing metals and technology minerals, promoting high-quality metal scrap, and improving data delivery. The project will provide tools, case studies, policy recommendations, and best practices to assist UNECE member States. Activities include developing UNRMS-based tools, conducting studies to assess metal scrap management and low-impact use of critical raw materials, and devising policy models for a circular economy.
- 64. The project is expected to last 2.5 years and is likely to be extended further if additional funding is identified.
- 65. The project proposal will be presented to the UNECE Executive Committee at its meeting on 9 October 2023 for consideration and approval.

# Item 14. Update on Working Group on Transforming the Extractive Industries for Sustainable Development

- 66. A UN Toolkit on Minerals Critical for Energy Transition is being developed by the Working Group. The UN Regional Commissions are leading on this.
- 67. The world faces multiple and interconnected crises that threaten our planet and our well-being, such as climate change, environmental pollution, energy scarcity, water scarcity, forest fires, health emergencies and more. These challenges demand a radical shift in how we manage our resources. We cannot afford to work in silos and ignore the interdependencies and trade-offs of our actions. A holistic, systemic approach that integrates various aspects of critical raw material management is needed Only by adopting such an approach can the sustainable production of critical raw materials be ensured without creating unintended consequences.
- 68. The toolkit will showcase some of the important areas focusing on various aspects of sustainability. UNFC and UNRMS are included in the Toolkit.

## Item 15. Education, outreach, and communications

<u>Documentation:</u> List of events in 2023 and 2024

- 69. A list of events at which UNFC and/or UNRMS were presented or promoted or will be presented at upcoming events in 2023 was included as part of the documentation.
- 70. This is a busy year with well over 60 events that have happened or are scheduled with a focus on UNFC and/or UNRMS.

71. The secretariat encouraged members of the Bureau to share their engagements for inclusion in the newsletter.

## Item 16. Date of next Call

72. The date of the next call was proposed to be during the weeks commencing 30 October and 6 November. The usual Doodle poll will be issued.

# **Item 17. Any Other Business**

- 73. At the G20 Youth Summit, held in Varanasi, India, the final communiqué was unanimously agreed to include the UN Resource Management System. The Communiqué will be taken into consideration at the G20 Summit.
- 74. It states: We call on G20 members and observers to:

Ensure a fair, circular and more sustainable supply of critical minerals for the energy transition by including local communities 10 in all processes, respecting territorial sovereignty, and implementing more sustainable extraction methods - such as direct lithium extraction (DLE) - assuring that the benefits stay in the communities.

Footnote: In line with the principles of the UNRMS and other similar internationally accepted initiatives.

- 75. Thanks were extended to Walker Darke and young people/experts promoting UNRMS worldwide.
- 76. The Chair thanked the members for their hard work and support.

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