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

From: David MacDonald, Charlotte Griffiths, Hari Tulsidas, Slavko Solar and Walker Darke

Call of the Bureau of the Expert Group on Resource Management (EGRM)
Via Teams - 15:00 CET, 2 February 2023
MINUTES

Attendance		
D D FORM of	Present	Apology
David MacDonald, EGRM Chair		
Igor Shpurov, Russian Federation		$\boxtimes$
Alternate Olga Trofimova	$\boxtimes$	
Alternate Ekaterina Lovchuk		
Alternate Marina Kuznetcova		
Hussein Allaboun, Jordan		$\boxtimes$
Viktor Babashev, Kazakhstan	$\boxtimes$	
Andrew Cross, Australia		$\boxtimes$
Roger Dixon, CRIRSCO		$\boxtimes$
Mücella Ersoy, Turkey		$\boxtimes$
Gioia Falcone, IGA	$\boxtimes$	
Nurangiz Farajullayeva, Azerbaijan		
Sarah Forbes, United States of America	$\boxtimes$	
Milan Grohol, EC	$\boxtimes$	
Alternate Robert Tomas	$\boxtimes$	
Karen Hanghoj, United Kingdom	$\boxtimes$	
Zoltán Horváth, EuroGeoSurveys	$\boxtimes$	
Erika Ingvald, Sweden	$\boxtimes$	
Branka Knežević, Bosnia and Herzegovina	$\boxtimes$	
Stig-Morten Knutsen, Norway		$\boxtimes$
Young Joo Lee, CCOP		$\boxtimes$
Alternate Songyang WU	$\boxtimes$	
Luis Lopez, OLAMI		$\boxtimes$
Rafal Misztal, Poland		$\boxtimes$
Marit Kitaw, AUC		$\boxtimes$
Alternate Tunde Arisekola	$\boxtimes$	
Henri Paillere, IAEA		$\boxtimes$
Alternate Adrienne Hanly		
Teresa Ponce de Leão, Portugal	$\boxtimes$	
Ulises Neri, Mexico	$\boxtimes$	
Glen Burridge, EFG		$\boxtimes$
Bernard Seiller, SPE	$\boxtimes$	
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 call of 8 December 2022
- 3. EGRM-14
  - (a) Bureau elections
  - (b) Theme
  - (c) Draft Annotated Provisional Agenda
  - (d) Status of EGRM realignment
  - (e) Draft timeline for UNECE Resource Management Week 2023
  - (f) Draft outline for UNFC Implementation Seminar 25 April-am 26 April
  - (g) Proposals for keynote speakers and lunchtime lectures
- 4. UNRMS Update
- 5. TAG Update
  - (a) TAG meeting (27 January 2023)
  - (b) Hydrogen Task Force
- 6. Update on CSE Bureau Meeting and Energy Resiliency Platform
- 7. Update on Implementation of XB projects
  - (a) EC-funded project on UNFC and UNRMS
- 8. EGRM-15
- 9. Update on Working Group on Transforming the Extractive Industries for SD
- 10. Education and outreach
- 11. Date of next Call
- 12. Any other business

#### **Documentation:**

- 1. Draft agenda for Bureau Call on 2 February 2022
- 2. Note to UNECE member States calling for nominations to EGRM Bureau
- 3. Draft EGRM-14 Annotated Provisional Agenda
- 4. List of events in 2023 and 2024

#### Item 1. Approval of Draft Agenda

Documentation: Draft agenda for Bureau Call on 2 February 2023

1. The agenda was approved.

# Item 2. Draft minutes of Bureau call of 8 December 2022

Documentation: Draft minutes of Bureau call of 8 December 2022

- 2. The Draft minutes of the Bureau call of 8 December 2022 were circulated on 9 January 2023
- 3. The minutes were approved.

#### Item 3. EGRM-14

Documentation: Note to UNECE member States calling for nominations to EGRM Bureau

#### a) Bureau Elections

4. On behalf of the Bureau, the Chair put on record thanks and appreciation to Mr JU Jianhua who has stepped down from the Bureau as he is no longer with the Ministry of Natural Resources of

China. Mr. JU was extremely supportive of the work of the Bureau and EGRM during his years as Vice-Chair.

- 5. Members of the Bureau clarified the election process on nominations and asked about the impact of the reorganization of EGRM. As only two members were re-elected at EGRM-13 in October 2022, elections will be held for most of the EGRM Bureau Members at EGRM-14. Anyone wishing to stand for election for the position of Chair and Vice-Chairs was requested to inform the secretariat and preferably arrange for a letter of nomination or email to be submitted by a government entity or the relevant Permanent Mission in Geneva. The Chair confirmed that he will not stand for re-election as Chair; he may stand for election as Vice-Chair. All non-member State nominations should be submitted to the secretariat for the Bureau to review at the next Bureau meeting.
- 6. Members of the Bureau held a discussion on membership of the Bureau by (commodity) organizations/associations without an MoU with UNECE. It was proposed that they would be best placed to participate via the respective Working Groups. There were no objections to this.
- 7. It was noted that UNECE member State nominations to the Bureau are automatically added to the slate of nominations to be presented to EGRM. Representatives from non-UNECE member States, as well as representatives from international organizations, academia, civil society etc need to be reviewed by the Bureau and approved for addition to the slate of nominations prior to the session. Self-nominations are not accepted.
- 8. It was also noted that recent practice at UNECE had entailed elections by voting rather than by acclamation. For this reason, the Election of Officers agenda item will be taken just prior to the adoption of the Conclusions and Recommendations agenda item on the last day of EGRM-14 (28 April).

# b) Theme

- 9. The main themes of the proposed EGRM-14 agenda are:
  - Deploying UNFC in Europe and beyond to ensure the information, including harmonized information, needed for sustainable resource management
  - Critical Raw Materials Supply: Towards a new model for global collaboration
  - UNRMS: Sustainable Resource Management Transformation Pathway to 2030
  - UNFC Development and Implementation Roadmap: The next five years
  - International Centres of Excellence on Sustainable Resource Management.

# c) Draft Annotated Provisional Agenda & Documents

Documentation: Draft EGRM-14 Annotated Provisional Agenda

- 10. The provisional agenda was circulated on 19 January, comments closed on 30 January.
- 11. Some minor comments were received from the Groundwater Working Group relating to the section on groundwater, as well as from the Chair of the Commercial Applications Working Group and the representative of SPE on the Bureau.
- 12. TAG is currently developing a five-year roadmap for UNFC Development and Implementation
- 13. A total of 4 parliamentary documents will be submitted for translation in early February. They are:
  - EGRM-14 Provisional Agenda
  - Revised UNFC-PRMS Bridging Document
  - Revised UNFC-RF Petroleum System BD

- Concept Note: Application of UNFC to Hydrogen Projects.
- 14. The PRMS and the Russian Federation Oil & Gas Classification Bridging Documents were circulated to the Bureau for comment on 9 January 2023 no comments or objections were received. They will be submitted for translation subject to any needed editing and formatting.
- 15. The draft Hydrogen Concept and Proposed Activities Note is currently with the Bureau for review. The following documents are expected to be English-only parliamentary documents:
  - Draft EGRM work plan for 2024-2025
  - Case Study: Application of UNFC to Titanium
  - Case Study: CRMs and Resources as a Service
  - Case Studies for application of UNFC and UNRMS for Environmental, Social and/or Governance.
- 16. The following two documents will no longer be issued:
  - Proposal to Realign EGRM and revised Mandate and Terms of Reference Updated Specifications for the Application of UNFC to Injection Projects.
- 17. David Elliott's document "The Structure of the Resource Supply System" is proposed to be issued as an unofficial room document for EGRM-14.
- 18. The representative of SPE asked if comments from the SPE Oil & Gas Reserves Committee (OGRC) have been included in the PRMS Bridging Document. The TAG Co-Chair confirmed that a draft text was sent to OGRC in December. No comments have been received yet. Should comments be received at EGRM-14 these could be incorporated in a revised text.

# d) Status of EGRM realignment

- 19. Due to the current geopolitical situation in the UNECE region, a preference not to propose any major changes to the structure of subsidiary bodies or their Rules of Procedure has been indicated. Hence, it was proposed to postpone discussions on major changes to EGRM. The Chair advised he supported this approach as he did not wish to leave his successor to implement major changes to the functioning of EGRM immediately after being elected. This proposal was supported. However, minor changes such as optimizing the work of the Bureau, TAG and WGs could still be considered.
- 20. A number of Bureau members encouraged working together towards more efficient collaboration with other groups.

#### e) Draft timeline for UNECE Resource Management Week 2023

- 21. EGRM-14 will take place in Geneva, 25-28 April 2023. It will be an in-person-only meeting as part of the UNECE Resource Management Week 2023.
- 22. The first 1.5 days will be in a seminar format and the last 2.5 days will be in the usual EGRM format with presentations on the outputs of the various work streams and approval of documents.
- 23. EGRM-14 will open with a 1.5-day seminar starting at 10am on Tuesday 25 April. The focus will be on: Deploying UNFC in Europe and beyond to assure information for sustainable resource management. The last 2.5 days (afternoon of 26 April-28 April) will be devoted to the rest of the EGRM-14 agenda items, including sessions on:
  - Critical Raw Materials Supply: Towards a new model for global collaboration in collaboration with the UN WG on Transforming Extractive Industries for Sustainable Development

- UNRMS: Sustainable Resource Management Transformation Pathway to 2030
- UNFC Development and Implementation Roadmap: The next five years
- TAG and Working Groups updates
- International Centres of Excellence on Sustainable Resource Management.
- Deployment of UNFC and UNRMS globally, including in Central Asia
- 24. The EGRM-14 sessions will be from 10-13 hrs and 15-18 hrs.
- 25. The secretariat confirmed the timeline for the Week will be developed by the end of February. The four day-meeting could be hybrid if funding is identified.

# f) Draft outline for UNFC Implementation Seminar 25 April-am 26 April

- 26. This one and a half-day seminar will focus on implementation of UNFC in Europe and beyond for minerals and anthropogenic resources (primary and secondary raw materials) in the light of the forthcoming European Critical Raw Materials (CRMs) Act.
- 27. Aside from members of EGRM, expected participants are representatives of European Union Member States, other UNECE member States including from Central Asia, EGRM experts and representatives of other Regional Commissions. The seminar organizers are UNECE, DG GROW and a consortium of two Horizon Europe projects: Geological Service for Europe (GSEU) and The Future Availability of Secondary Raw Materials (FutuRaM).
- 28. Bureau members expressed optimism that the planned regulation will include UNFC and that the UNECE Resource Management Week 2023 is timely. The secretariat underlined the progress being made with many partners in Europe, Central Asia and Africa through their engagement with UNECE on critical raw materials.

# g) Proposals for keynote speakers and lunchtime lectures

- 29. It is proposed to have 2 lunchtime events, on Wednesday and Thursday. The secretariat has received the following requests and proposals:
  - Organize a high-level session on ISSB
  - Organize a lunchtime groundwater event
  - Organize a session on youth
  - Invite youth to speak on a number of the panels
  - Organize a gender event e.g., mining of CRMs and the impact on women
  - Invite a speaker from the Hydrogen Council to deliver a lunchtime lecture or keynote
  - Organize a presentation on digitalisation of UNFC and UNRMS
  - Invite Guillaume Pitron to deliver a lunchtime lecture on CRMs
  - Prof Rob Perrons has offered to speak on a range of topics including hydrogen
  - A proposal from UNEP to organize a joint UNEP and UNECE Eastern Europe Regional Consultation on the Implementation of UNEA Resolution 5/12 on Environmental Aspects of Minerals and Metals Management. This would be a two-day event on 25 and 26 April held in parallel to EGRM-14 but it would be part of the UNECE Resource Management Week 2023.
  - Bureau members proposed a session on UNRMS.
- 30. Bureau members were invited to share proposals for speakers and/or lunchtime lecture topics wit the secretariat as soon as possible.
- 31. The lunchtime sessions will be scheduled for 13.45 to 14.45 hrs CET.

#### Item 4: UNRMS

- 32. UNRMS Principles and Requirements was published in December 2022.
- 33. The UNRMS roadmap for 2023-2024 outlines a comprehensive plan to promote and educate stakeholders on UNRMS, with a focus on organizing case studies, a report on servitization, and developing a CRM dashboard.
- 34. Additionally, the plan includes organizing webinars and workshops, developing a brochure, and publishing technical publications to further advance the understanding and implementation of UNRMS:
  - Developing case studies:
    - o Expand suite of case studies
    - o Collaborate with ESCAP for case studies using UNECE template
  - CRMs Dashboard
    - Development of CRMs dashboard will be subject to availability of extrabudgetary funds
  - Hydrogen Specifications, Taxonomy, Guarantee of Origin for Hydrogen (GOH) etc.:
    - Collaborate with Hydrogen Task Force being established by the Group of Experts on Gas. Implementation of hydrogen taxonomy and GOH will be based on availability of extrabudgetary funding
  - Webinars/Workshops
    - Organize webinars and workshops to enhance knowledge and understanding of UNRMS
  - One/Two-page Brochure
    - O Development of a one/two-page brochure on UNRMS to promote and educate stakeholders
  - Servitization
    - o Publish a UNRMS report in 2023 on servitization
  - External Technical Publications
    - Publish technical publications comprising UNRMS case studies as part of efforts to promote UNRMS.
- 35. Bureau members emphasised the importance of looking at existing tools in other organizations and underlined that this is the moment to implement tools with financing and cross-cutting support. Organizations such as the European Union and EuroGeoSurveys are great vehicles to implement UNRMS, but legislative action may be needed.
- 36. The Bureau put on record its thanks to the UNRMS Sub-group members for the hard work done in 2022.

#### Item 5. Technical Advisory Group Update

- a) TAG meeting (27 January 2023)
- 37. The Working Groups are continuing to diligently advance their work and pursue projects for submission to EGRM-14 in 2023.
- 38. The Bureau received brief Working Group (WG) updates:
  - Petroleum WG: Russian Federation Bridging Document (BD) update and PRMS BD update submitted. Working on case studies.
  - Minerals WG: Reviewed and provided extensive comments on the titanium case study for EGRM-14.

- Anthropogenic Resources WG: To start work on the update of the Specifications. Members of the WG are involved with the Future Availability of Secondary Raw Materials (FutuRaM) project and are coordinating their work with DG GROW and organization of the 1.5-day seminar on implementation of UNFC in Europe and beyond during EGRM-14.
- Nuclear Resources WG: Working with the Commercial Applications WG to engage with ISSB to use UNFC/UNRMS. In particular, the aim is to promote the use of UNRMS within the Industrial/Sectorial Requirements.
- Groundwater WG: Working on updating the draft UNFC Groundwater Specifications and exploring the possibility of working with the International Hydro Association.
- Injection Projects WG: Updating the specifications, which will no longer be ready for official submission for EGRM-14.
- Social and Environmental Considerations WG: Working on renewable energy case studies.
- Commercial Applications WG: Continuing to work with IASB on adopting UNFC.
- Competency WG: Will start work on Continuing Professional Development guidance and training procedures to be conducted by the ICE-SRMs.
- SDGs Delivery WG: continuing to develop the Blockchain/AI framework for UNRMS. Supporting Africa in the application of AMREC.
- Women in Resource Management WG: Planning to organize two webinars by April.
- 39. A detailed update from the Working Groups will be circulated to the Bureau shortly after the meeting. Bureau members were appreciative of the work undertaken by the TAG.
- 40. The Bureau was updated on the planned re-launch of the Resource Management Young Member Group (RMYMG) following a successful UNECE Youth Dialogue session on Critical Raw Materials on 20 December. The Bureau called for young people under 35 to engage with the RMYMG. The Bureau was invited to nominate members.

### (b) Proposed Hydrogen Task Force

- 41. A number of UNECE Expert Groups, including EGRM, are involved in the priority work of the Committee on Sustainable Energy on hydrogen. A number of EGRM experts have been participating in UNECE hydrogen workshops, including those organized under the UNECE Carbon Neutrality project, and providing inputs to the events and technical documents.
- 42. EGRM members participated in the hydrogen session at the last Committee on Sustainable Energy meeting in September 2022. The Committee decided that a Hydrogen Task Force would be established in coordination with the Groups of Experts on Gas and on Cleaner Electricity Systems and EGRM. The major work items include:
  - UNFC specifications for H2
  - Taxonomy based on LCA
  - Guarantee of Origin of H2
  - Pilot project to test the concept.
- 43. It was noted that many of the work items will only be possible with extrabudgetary funding.
- 44. This work is also a key deliverable of the UNECE Resilient Energy Systems initiative.

The Terms of Reference of the Hydrogen Task Force will be discussed at the 10th session of the Group of Experts on Gas (23-24 March 2023, Geneva). They will also be discussed at the 32nd session of the Committee (13-15 September 2023, Geneva).

- 45. The draft document "Concept Note and Proposed Actions: Application of UNFC and UNRMS to Hydrogen Projects" was prepared by a team consisting of:
  - Serge van Gessel, Chair, Injection Projects Working Group

- Barbara Pribyl, Chair, Petroleum Working Group
- Teresa Ponce de Leão, EGRM Vice-Chair and Chair, UNRMS Subgroup
- Julian Hilton, Chair, SDGs Delivery Working Group
- UNECE Secretariat.
- 46. The Technical Advisory Group reviewed the text and proposed modifications, which have been incorporated in the latest version currently being reviewed by the Bureau. Bureau members were encouraged to provide feedback by the deadline of 8 February 2023.
- 47. EGRM will need to participate in the Hydrogen Task Force as and when it is set up. The members of the EGRM team, as outlined above, have indicated their interest and availability to join the Task Force. In preparation for this, it was proposed that the team become an ad hoc EGRM Hydrogen Task Force reporting to the EGRM Bureau and that this new Task Force engage on the preparatory work to contribute effectively from a UNFC and UNRMS perspective to the work of the main Hydrogen Task Force. Bureau members approved the establishment of an EGRM Hydrogen Task Force.
- 48. Bureau members noted that hydrogen is important for Europe's autonomy and has been included in the EU green taxonomy, which aligns well with the UNECE work on Life Cycle Assessments and Guarantee of Origin of Hydrogen. Some members expressed concerns about the efficiencies involved and whether hydrogen will be the "silver bullet" many countries hope it to be. The Hydrogen Task Force will have an important role in timely political discussions and expert topics such as LCA-based taxonomy, shipping, liquifying of hydrogen etc. It is hoped that the Task Force will be able to contribute to these discussions.
- 49. The Bureau put on record thanks to the TAG Co-Chairs and members for the hard work carried out in 2022.

#### Item 6. Update on CSE Bureau Meeting and Energy Resiliency Platform

- 50. The Committee on Sustainable Energy, at its 31st Session in September, agreed on the priorities for the Sustainable Energy Division and the Committee for 2023. These are:
  - Enable a hydrogen ecosystem
  - Provide targeted support to build resilient energy systems in Central Asia
  - Accelerate Sustainable Resource Management
  - Build Resilient Energy Systems: ECE Platform.

#### **Building Resilient Energy Systems in the UNECE Region** For Consideration and Discussion: Potential Activities 2023 **Scaling systemic efficiencies** Sustainable resource Low and zero-carbon management & access to technology interplay & digitalization of energy critical raw materials system networks Enhance the low- and Develop support Develop an zero-carbon technology interplay resources related to international hydrogen taxonomy and and strengthen the grid energy storage (GEEE, specifications under capacity in Central CES, GERE, GEG) UNFC and UNRMS Asia to allow deep Cybersecurity in the (GEG, EGRM, GERE, electrification of the energy sector (GEEE, CES) energy system (CES, GERE, CES, GEG, GEG, GERE, GEEE, Develop early warning EGRM, CMMJT) CMMJT) system for critical and other resources with **UNFC** and **UNRMS** (EGRM, CES, GERE)

#### **Just Transition**

Help ensure that modernization of the energy infrastructure is delivered per the principles of Just Transition. Explore the "just transition" aspect of the transformation of the energy sector, as social acceptance of the proposed changes is the necessary condition for the sustainability of the results; Create a network of stakeholders (CMMJT, GEG).

### Regional Advisory Services

- 51. This was discussed at the Committee Bureau Call on 26 January including the draft work plan for the Platform. The key areas EGRM is expected to contribute to are:
  - Sustainable Resource Management and access to critical raw materials
  - Hydrogen specifications, taxonomy and GOH
  - Critical Raw Materials Dashboard.
- 52. The work plan is being revised to reflect comments received at the Committee Bureau Call and will be circulated to the EGRM Bureau when available. EGRM will need to include activities to support the Resilient Energy Systems Platform in its work plan for 2024-2025.

# Item 7. Update on implementation of XB projects

# a) EC-Project on UNFC and UNRMS

- 53. Since the last Bureau call, the focus has been on:
  - Coordination of activities on implementation of UNFC in Europe between DG GROW
    and the Horizon Europe projects Geological Service for Europe (GSEU) and The Future
    Availability of Secondary Raw Materials (FutuRaM).
  - Preparation of an introductory webinar on Anthropogenic Resources with case studies on residuals from extractive industries and end-of-life products (batteries, magnets etc) at the end of March.
  - Preparation for the 1.5-day Seminar during the UNECE Resource Management Week 2023, together with experts from the ongoing Horizon Europe projects and DG GROW, and planning other activities for 2023.
  - Continuation of UNFC Guidance Europe activities: a paper on the importance of UNFC for national resource management and its implications on European raw materials security is currently being developed.
  - Planning other project activities for 2023 and beyond would be based on the European CRMs Act due to be issued on 8 March.

#### Item 8. EGRM-15

- 54. Starting in 2024, the secretariat proposes to optimize the number of meetings organized by the Sustainable energy subprogramme and to optimize the harnessing of synergies across the subprogramme, The six expert groups under the Committee on Sustainable Energy have been asked to hold their annual meetings during two weeks of the year as opposed to four weeks. The proposal is:
  - Last week of April: EGRM, Group of Experts on Gas, Group of Experts on Coal Mine Methane and Just Transition
  - September Group of Experts on Renewable Energy, Group of Experts on Energy Efficiency, Group of Experts on Cleaner Electricity Systems and Committee on Sustainable Energy
- 55. In 2024, it is proposed that the Group of Experts on Coal Mine Methane and Just Transition, the Group of Experts in Gas and Expert Group on Resource Management have parallel and crosscutting events during the last week of April.

- 56. The date of the UNECE Resource Management Week 2024, including the 15th session of EGRM, is proposed during 22-26 April 2024. There were no objections to this proposal.
- 57. The secretariat underlined how cross cutting meetings create the opportunity to collaborate with other groups and share knowledge.

# Item 9. Update on Working Group on Transforming the Extractive Industries for SD

- 58. The Co-Chairs of the UN Working Group (WG) met for their 8th coordination meeting on 31 January. ESCAP has replaced UNECE as the Regional Economic Commission Co-Chair of the WG. UNECE will continue to participate in all WG calls.
- 59. The meeting discussed the WG's Work Plan for 2023, including the emphasis on critical raw materials and multilateralism.
- 60. The proposed session on the Working Group at EGRM-14 was also discussed. UNEP, UNDP and all the Regional Economic Commission indicated they would participate. As previously advised, UNEP is exploring the possibility of organizing a joint UNEP and UNECE Eastern European Regional Consultation on the UNEA-5 resolution on tailings management on 25-26 April in parallel with EGRM-14.

# **Item 10. List of events in 2023 and 2024** Documentation: List of events in 2023 and 2024

- 61. A list of events at which UNFC and/or UNRMS were presented or promoted in 2022 was included as part of the documentation for the meeting. A list of upcoming events in 2023 was also included.
- 62. The Chair drew attention to the International Round Table on Materials Criticality (IRTC) Conference, Lille, France on 15-17 February 2023. There will be a UNFC and UNRMS Workshop on "Critical Raw Materials Management: UNFC and UNRMS as the Sustainable Transition Pathway".
- 63. A session on hydrogen will be organized during the UNECE Group of Experts on Gas 10th Session, Geneva, Switzerland, 23-24 March 2023. The EGRM Chair will participate.

#### Item 11. Date of next call

64. The week of 13 March was proposed.

# Item 12. Any other business

65. No other business was raised.