

**To: Members of the Bureau of the UNECE Expert Group on Resource Classification**

From: David MacDonald and Hari Tulsidas

Conference Calls of the Bureau of the Expert Group on Resource Classification (EGRC) 6 April 2017 MINUTES
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Present on 9 am BST call:

1. David MacDonald (EGRC Chair)
2. Tunde Arisekola (NGSA)
3. Adrienne Hanly (IAEA)
4. Jim Ross (Petroleum sector)
5. Bernard Seiller (SPE)
6. Danny Trotman (Financial reporting)
7. Charlotte Griffiths (UNECE)

Present on 3 pm BST call:

1. David MacDonald (EGRC Chair)
2. Karin Ask (Petroleum sector)
3. Kjell Reider Knudsen (Norwegian Petroleum Directorate)
4. Michael Lynch-Bell (Financial reporting and solid minerals)
5. John Ritter (SPEE)
6. Jim Ross (Petroleum sector)
7. Igor Shpurov and Olga Trofimova (GKZ Russian Federation)
8. Brad Van Gosen (USGS)
9. Radoslav Vukas (Serbia)
10. Hari Tulsidas (UNECE)
11. Charlotte Griffiths (UNECE)

Observers:

12. John Etherington (TAG Chair, *observer*)

Apologies:

1. Fatih Birol (IEA)
2. Sim Caluyong (representing Adichat)
3. Rodrigo Channes *representing* Anne Auffret (European Commission)
4. Mucella Ersoy (Turkish Coal Enterprises)
5. Gioia Falcone (Renewable energy)
6. Michael Lynch-Bell (Financial reporting and minerals)
7. Narendra Verma (Petroleum sector)

Draft Agenda for EGRC Bureau Calls on 6 April 2017

1. Approval of draft agenda (Attachment 1)
2. Draft minutes of Bureau calls of 28 February 2017 (Attachment 2)
3. EGRC Eighth Session, 25–28 April 2017 (Attachment 3, 4 and 5)
4. Technical Advisory Group update (Attachment 6)
5. Updates on:
  - (a) Renewable energy resources
  - (b) G-axis study

- (c) Nordic project updates
- (d) Other sectors/commodities
- 6. Integrated energy and water resource management in support of sustainable development in South-East Europe and Central Asia (Attachment 7)
- 7. Education and outreach (Attachment 8)
- 8. Date of next Bureau calls
- 9. Any other business

Documentation:

- 1. Draft Agenda for Bureau Calls on 6 April 2017
- 2. Draft Minutes of 28 February 2017 Bureau Calls
- 3. List of documentation for EGRC 8<sup>th</sup> session
- 4. Draft overview of the Resource Classification Week 24–28 April 2017
- 5. Draft detailed timeline for the EGRC meeting
- 6. Draft Minutes of TAG Call of 27 January 2017
- 7. Concept note for project Integrated energy and water resource management in support of sustainable development in South-East Europe and Central Asia
- 8. List of events promoting UNFC in 2017–2018 *as at 23 March 2017*

**Item 1. Approval of Draft Agenda**

- 1. The agenda as proposed was adopted without amendment.

**Item 2. Draft minutes of Bureau calls of 28 February 2017**

Documentation: Draft minutes of Bureau calls of 28 February 2017

- 2. The draft minutes of the Bureau calls of 28 February 2017 were adopted.

**Item 3. EGRC Eighth Session, 25–28 April 2017**

Documentation: List of documentation for EGRC 8th session; Draft overview of the Resource Classification Week 24–28 April 2017; Draft detailed timeline for EGRC meeting

- 3. The Chair drew attention to the updated list of official documents planned for the 8th EGRC, which was circulated on 24 March. Eight documents have been submitted on 17 February for translation into 3 languages. This includes the draft work plan for 2018-19, UNFC Evaluator and Competent Person guidance notes, E-axis guidance notes and case studies from Jordan and Argentina. All the draft documents submitted are now available on the UNECE website.
- 4. The remaining two official documents, G-axis study report and Bioenergy Specifications will be submitted as English only. Apart from the above, several informal documents will be submitted.
- 5. The Chair advised that a draft overview of the week was circulated on 24 March along with the documentation for the call. This is only a preliminary plan and will evolve over the coming weeks. Several groups will be organizing side meetings all throughout the week. A Bureau meeting is also planned late in 26th April (Wednesday). EGRC 8th session will start with a UNFC workshop on 25 April (Tuesday). This will be followed by other sessions from 26 April (Wednesday) through 28 April (Friday). There is a proposal from Microsoft for a presentation on HoloLens, a “mixed reality” platform that could be potentially used for visualization of surface features and underground reservoirs and ore bodies. This was decided

not appropriate for the EGRC meeting. However a brief demonstration could be provided at the UNFC workshop.

6. The Chair advised that the SPE Swiss Section Lecture – “*Geothermal energy in Switzerland: overview on activities in research, industry projects and new energy law*” will be held during lunchtime on 26 April (Wed).

7. The Chair advised that the UNECE Commission Session will take place during 26–27 April and it is proposed to have a side event related to UNFC during lunchtime on 27 April (Thursday). This will be a panel discussion on “Managing natural resources strategically – a tool to attain the 2030 Sustainable Development Agenda”.

8. The Chair noted that offers to sponsor the reception and a number of coffee breaks have been received. Bureau members were requested to suggest additional sponsors if possible.

**Item 4. Technical Advisory Group update (Attachment 6)**

Documentation: Draft Minutes of TAG Call of 27 January 2017

*The Chair provided an update in the am call and John Etherington in the pm call.*

9. The minutes of TAG Call of 27 January 2017 were circulated on 24 March as part of the documentation for the call. The TAG had its latest call on 23 March. TAG has completed the review of a large set of documents which have been already submitted.

10. TAG is working with other groups like the Solar, Wind, Hydro and Anthropogenic Working Groups in the development of their specifications and related case studies.

11. TAG has received the initial drafts of the bridging documents of the petroleum and mineral systems of China. This is currently under review.

12. During the Resource Classification Week, TAG will have a physical meeting on 25 April. TAG will also hold a series of meetings on 24-25 April with MLR, China and Russian Federation delegation for discussions regarding the respective bridging documents.

13. The following membership changes were noted. John Barry stepped down in early March due to mounting business workload. John Etherington has communicated his intention to step down after 8th Session of the EGRC due to health reasons.

14. The Chair thanked the TAG members for their continued hard work. The Chair placed on record the Bureau's deep appreciation to John Etherington, the first Chair of the TAG, who has worked diligently over the years to make the TAG a very active and responsive group.

**Item 5. Updates on: (a) Renewable energy resources; (b) G-axis study; (c) Nordic project updates; (d) Other sectors/commodities**

15. The Chair provided updates and informed that the ToR for Phase 3 of the Renewable Energy Classification Working Group has been reviewed by the TAG and the Bureau.

(i) Bioenergy Specifications: The draft specifications will be an official document for EGRC-8. A set of 5 related case studies has been reviewed by the TAG. Bioenergy

sub-group is revising the case studies based on TAG comments. The bioenergy specifications and case studies will be made available for public comments after the EGRC meeting.

- (ii) Geothermal update: A set of 14 case studies has been finalised for issue as an UNECE publication.
- (iii) Solar: A Solar Working Group is continuing with the development of the specifications. A status report will be presented at the EGRC meeting.
- (iv) Hydropower: Hydropower Working Group has been activated. International Hydropower Association has expressed interest in contributing to this activity.
- (v) Wind: Wind WG is under initiation with Tom Lefeber in the lead.

16. The Chair informed the G-axis study reported has been circulated on 14 March and will be placed as an official document for the EGRC meeting.

17. The Chair provided an update on the status of other working groups. Work is continuing on the development of specifications for anthropogenic resources. Nuclear Fuels Task Force is busy as ever in the development of a best practice document and case studies.

18. The Chair informed that a guidance report on the application of UNFC in Nordic region has been reviewed by the TAG. The TAG commented that this could be seen as an example for the application of UNFC for solid minerals configured to local requirements. But this is not supposed to be part of the official UNFC documentation. The report is being revised based on TAG comments and will be available as an informal document for the EGRC meeting. A presentation will also be made to the EGRC by the Swedish Geological Survey.

19. The Chair informed that the Anthropogenic Resources Working Group supported by the MINEA Project has prepared an early draft of the specifications, which has been reviewed by TAG. This will be available as an informal document for the EGRC meeting. The Working Group will meet in Geneva during the Resource Classification week and also will present on its progress at the meeting. Ulrich Kral, Technische Universität Wien (Vienna) has agreed to serve in the Bureau representing anthropogenic resources. The Bureau members approved the nomination of Ulrich Kral.

20. The Chair informed that the Nuclear Task Force will meet during 24-25 April in Geneva and will review progress on the best practices document the group is working on.

#### **Item 6. Integrated energy and water resource management in support of sustainable development in South-East Europe and Central Asia**

Documentation: Concept note for project Integrated energy and water resource management in support of sustainable development in South-East Europe and Central Asia

21. The Chair drew attention to the project concept note was circulated on 24 March as part of the documentation for the call.

22. Hari Tulsidas advised that the proposal was submitted in response to the UN Development Account call for projects. All proposals had to support the theme “Supporting Member States in strengthening evidence-based policy coherence, integration and participatory implementation of the 2030 Agenda at all levels” and demonstrate a cross-sectoral approach (hence the inclusion of water). The objective of the project is to strengthen

national capacities of selected countries in South-East Europe and Central Asia to implement integrated energy and water resource management in support of sustainable development. This will be an integrated project with combining related aspects of water and energy/mineral resources management. The project will look into the application of UNFC with its focus on the total resources available in any basin will facilitate comprehensive extraction and allow any geological, technical or socio-economic barriers to be identified, to ensure maximum efficiency and minimized waste.

23. The project will be implemented through sub-regional workshops, development of case studies and policy recommendations, and the creation of a knowledge hub that will allow sharing of best practices and lessons learnt. The project has been tentatively approved under the UN Development Account for two years (from July 2018-July 2019) with an estimated budget of \$500,000.

24. On groundwater, Germany (BGR) has expressed interest in the application of UNFC to groundwater. Any work on this can only be undertaken subject to volunteers being identified – there is a possibility Germany might take the lead.

#### **Item 7. Education and outreach**

25. The Chair informed that a Communication Sub-Committee (CSC) call was held on 3 April. The CSC will try to help facilitate various EGRC sub-group work by reaching out to appropriate stakeholders as required and will work towards attracting new experts to EGRC annual meetings. Several promotional materials (brochures etc.) are planned. A leaflet for EGRC-8 has been prepared and is being circulated to interested experts.

26. Hari Tulsidas participated in a UNECE – Coal India workshop Best practices on Coal Mine Methane (CMM) management in Ranchi, India, 9-10 March. The application of UNFC for integrated management of coal and methane was presented and discussed. This activity was led by the Expert group on CMM, which expressed support for developing guidelines for co-located coal-methane resources. This also has the support of the Committee on Sustainable Energy as a crosscutting activity.

27. Hari Tulsidas participated in the International Fertilizer Association (IFA) Global Safety Summit 27-30 March, Amman, Jordan. Hari presented on the application of UNFC to manage phosphate and potash resources, as well as on sustainability advantages in managing phosphogypsum (anthropogenic resources), associated with fertilizer production. Hari visited a former mining site near Amman, which is proposed to be regenerated by small-scale production with the integration of solar energy. IFA tentatively agreed to make an inventory of global anthropogenic resources using UNFC. As many mining companies are planning to tap into renewables also in the future, reporting mineral, anthropogenic and renewable energy resources from specific sites could be promoted.

28. The major events coming up shortly are:

- (i) GKZ and UNECE UNFC Workshop, Moscow: Planned to be held during 30-31 May. Oil & Gas bridging document and proposed solid minerals bridging document will be discussed.
- (ii) Energy Ministerial and Eighth International Forum on Energy for Sustainable Development, Astana, Kazakhstan, 11–14 June 2017.

- (iii) China Mining 2017, Tianjin, 23-25 September. Yang Hua is working to include a session on UNFC. MLR may sponsor a number of EGRC experts.
- (iv) Committee on Sustainable Energy, Geneva, 26-28 September. There will be a session on UNFC. The Chair informed that he hopes to attend the meeting and present the EGRC work plan for 2018-2019, the bioenergy specifications and potentially the Chinese BDs which will require the approval of the Committee.
- (v) SPE ATCE, San Antonio, USA, 9-11 October. The UNFC abstract “Global Reserves and Resources Classification: Bridging the Petroleum Resources Management System and the Russian Federation Systems” has been accepted.

**Item 8. Date of next Bureau calls**

29. An extended Bureau Dinner is proposed for 26 April (19.00) at the restaurant Point du Jour. The next physical Bureau meeting will be held on 27 April (18.30 – 19.30)

**Item 9. Any other business**

30. UNFC name change – Bureau had discussed UNFC proposed name change in the last calls and subsequent e-mail exchanges. Preferences received for different suggestions are as follows:

- United Nations Framework Classification for Resources
- United Nations Framework Classification for Resource Commodities
- United Nations Framework Classification on Energy and Mineral Resources (UNFC)
- United Nations Framework Classification for Commodity Quantification
- United Nations Framework Classification for Quantifying Commodities
- United Nations Framework Classification for Quantifying Resource Commodities

31. The Bureau agreed to propose “United Nations Framework Classification for Resources (UNFC)” as the preferred option in the EGRC meeting.

32. The Chair informed that identifying and securing extrabudgetary funds for UNFC continues to be a priority. A modified version of the UNFC funding proposal has been prepared internally and will be presented to a Donors Meeting by Hari Tulsidas on 6 April. Scott Foster is also approaching potential donors during his trips to Washington in April and May.

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