

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

From: David MacDonald and Hari Tulsidas

<p>Conference Calls of the Bureau of the Expert Group on Resource Classification (EGRC) 7 &amp; 8 June 2017 MINUTES</p>
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Present on 7 June 3 pm BST call:

1. David MacDonald (EGRC Chair)
2. Tunde Arisekola (NGSA)
4. Roger Dixon (CRIRSCO)
5. David Elliot (Financial reporting)
6. Ulrich Kral (Anthropogenic resources)
7. Jim Ross (Petroleum sector)
8. Jennifer McCoy (Financial reporting)
9. Dominique Salacaz (SPEE)
10. Bernard Seiller (SPE)
11. Danny Trotman (Financial reporting)
12. Hari Tulsidas (UNECE)
13. Charlotte Griffiths (UNECE)

Present on 8 June 9 am BST call:

1. David MacDonald (EGRC Chair)
2. Karin Ask (Petroleum sector)
3. Sim Caluyong (representing Adichat Surinkum, CCOP)
4. Rodrigo Channes (representing Anne Auffret, EC)
5. Ulrich Kral (Anthropogenic resources)
7. Jim Ross (Petroleum sector)
8. Hari Tulsidas (UNECE)
9. Charlotte Griffiths (UNECE)

Apologies:

1. Fatih Birol (IEA)
2. Mucella Ersoy (Turkish Coal Enterprises)
3. Gioia Falcone (Renewable energy)
4. Adrienne Hanly (IAEA)
5. Kjell Reider Knudsen (Norwegian Petroleum Directorate)
6. Michael Lynch-Bell (Financial reporting and solid minerals)
7. Igor Shpurov and Olga Trofimova (GKZ Russian Federation)
8. Brad Van Gosen (USGS)
9. Narendra Verma (Petroleum sector)
10. Radoslav Vukas (Serbia)

Draft Agenda for EGRC Bureau Calls on 7 and 8 June 2017

1. Approval of draft agenda (Attachment 1)
2. Draft minutes of Bureau calls of 6 April and 27 April 2017 (Attachments 2, 3)
3. Bureau update (Attachment 4)
4. EGRC Eighth session debrief (Attachments 5,6)
5. Guidance notes on competent person (Attachments 7,8)
6. UNFC application to methanol resources

7. UNFC update 2018
8. Technical Advisory Group update (Attachment 9, 10)
9. Updates on:
  - (a) Renewable energy resources
  - (b) Other sectors/commodities
10. Update on Chinese Bridging documents (Attachments 11,12)
11. ISA/AMDC Workshop on Marine Mineral Resources of Africa's Continental Shelf and Adjacent International Seabed Area, Kampala, Uganda, 2–4 May 2017
12. GKZ – UNFC Workshop, Moscow, 30–31 May 2017
13. Eighth International Forum on Energy for Sustainable Development, Astana, Kazakhstan, 11–14 June 2017
14. Committee on Sustainable Energy 26th Session, Geneva, 26-28 September 2017
15. Education and outreach (Attachment 13)
16. Date of next Bureau calls
17. Any other business

Documentation:

1. Draft Agenda for Bureau Calls on 7–8 June 2017
2. Draft Minutes of 6 April 2017 Bureau Calls
3. Draft Minutes of 27 April 2017 Bureau Meeting
4. Revised EGRC Bureau Members Contact List
- 4a. Proposed EGRC Bureau Structure
5. EGRC-8 Meeting report
6. EGRC Work plan for 2018–19
7. Revised Guidance Note to support the UNFC Specification for Evaluator Qualifications
8. Revised Guidance Note on Competent Person Requirements and Options for Resources Reporting
9. Minutes of TAG Call of 22 February 2017
10. Minutes of TAG Call of 23 March 2017
11. Draft bridging document between China Mineral Reserves and Resources Classification System (CMRRCS) and UNFC
12. Draft bridging document between Chinese Petroleum classification system and UNFC
13. List of events promoting UNFC in 2017–2018 *as at 1 June 2017*

**Item 1. Approval of Draft Agenda**

Documentation: Draft Agenda for Bureau Calls on 7–8 June 2017

1. The agenda was approved without changes.

**Item 2. Draft minutes of Bureau calls of 6 April and 27 April 2017**

Documentation: Draft minutes of Bureau calls of 6 April and 27 April 2017

2. Draft minutes of the calls on 6 April and meeting on 27 April were approved without amendments.

**Item 3. Bureau update**

Documentation: Revised EGRC Bureau Members Contact List

3. The Chair noted the recent changes to the EGRC Bureau:

- (i) Dominique Salacz, Evolution Resources SA, representing SPEE has taken over from John Ritter who stood down as the SPEE representative effective the end of the eighth session.
- (ii) Ulrich Kral, Vienna University of Technology joined as a new member representing the anthropogenic resources sector.
- (iii) Jennifer McCoy will be the alternative to Danny Trotman, representing the financial sector.
- (iv) John Etherington stepped down as Chair of the Technical Advisory Group (TAG) effective the end of the eighth session. He was an observer in the EGRC Bureau.

4. The Chair welcomed the new members to the Bureau.

**Item 4. EGRC Eighth session debrief**

Documentation: EGRC-8 Meeting report; EGRC Work plan for 2018–19

5. The Chair summarised the major highlights of the 8<sup>th</sup> Session of the EGRC:

- (i) Revision of UNFC: To reflect increasing applications, such as to renewable energy and other sectors, the new name United Nations Framework Classification for Resources (UNFC) was adopted.
- (ii) Accommodating environmental and social considerations: Two draft guidance notes presented.
- (iii) UNFC, Sustainable Development Goals (SDGs) and Climate Change: the role of UNFC in implementing the Sustainable Development Goals and combatting climate change was discussed. A working group will be set up to develop guidance notes and white papers.
- (iv) Guidance on Competent Person: Two guidance notes to (i) support application of UNFC Evaluator Specifications and (ii) Competent Person requirements and options for resources reporting were approved.
- (v) Adoption of UNFC for solid minerals in the Nordic countries: Draft guidance for UNFC for solid minerals in Nordic countries (Norway, Sweden, Finland) was presented. The draft guidance will be issued for public comment soon.
- (vi) Adoption of UNFC in Africa: The African Mineral Development Centre (AMDC) presented on the decision taken to apply UNFC as the continental resource management system, in line with the objectives of Africa Mining Vision (AMV).
- (vii) Bridging Documents: the draft Bridging Documents to the Chinese Petroleum Classification System and the China Mineral Reserves and Resources Classification System (CMRRCS) were presented. Both the documents were approved to be issued for public comment.
- (viii) Application of UNFC to renewable energy: the draft generic specifications for application of UNFC to bioenergy were approved to be issued for public comment.

- (ix) Application of UNFC to anthropogenic resources: the initial draft specification for application of UNFC to anthropogenic resources were presented.
- (x) Application of UNFC to nuclear fuel resources: a handbook of good practices for application of UNFC for uranium and thorium resource management is under development.
- (xi) Education and Outreach: UNFC continues to be presented at an event every week globally.
- (xii) Cooperation with other organizations: Increased cooperation with AMDC, IUGS, ISO, IAEA, IGU, IHA, EFG, EuroGeoSurveys, MINEA project, GeoERA project and IEF was presented at the meeting.
- (xii) UNFC Workshop: Over 125 experts participated in the workshop held on 25 April.
- (xiii) EGRC Work Plan 2018-2019: the EGRC agreed on its work plan for 2018-2019. The activities include extensive work in different resource sectors, some of which will require extrabudgetary funding.

6. The Chair noted with satisfaction a significant amount of work accomplished in the 8<sup>th</sup> Session. He pointed out that finalisation of the documents on Environmental and Social Considerations and revision of UNFC will be the significant activities for 2017–18.

**Item 4. Guidance notes on competent person**

Documentation: Revised Guidance Note to support the UNFC Specification for Evaluator Qualifications; Revised Guidance Note on Competent Person Requirements and Options for Resources

7. The Bureau approved the Guidance Note to support the UNFC Specification for Evaluator Qualifications and Revised Guidance Note on Competent Person Requirements and Options for Resources to be posted to the UNECE website

**Item 6. UNFC application to methanol resources**

8. The Chair informed that in the 8<sup>th</sup> Session of the EGRC, the representative of ISEO proposed the establishment of a working group on methanol. The Expert Group requested the Bureau to consider this proposal and make a recommendation. It was agreed after discussion that the Bureau recognizes the potential of methanol that can be produced from a wide variety of sources. The application of UNFC to methanol has been explicitly included under the Bioenergy Specifications. Therefore the Bureau does not see the need to have a separate Working Group for methanol.

**Item 7. UNFC update 2018**

9. The Chair informed on the need to expand the UNFC Revision Task Force but suggested the group be kept small. The drafts prepared by Task Force can be circulated with all Working Groups for consultation. He mentioned that unifying mineral and petroleum classification systems and having renewable energy integrated should be the focus of the revision. The update should consider all the specific requirements of all sectors. The updated UNFC should be a system that should add value to the classification of resources.

**Item 8. Technical Advisory Group update**

Documentation: Minutes of TAG Call of 22 February 2017; Minutes of TAG Call of 23 March 2017; Proposed EGRC Bureau Structure

10. The Chair provided an update on TAG activities. He informed that the TAG has completed the final review of the Chinese minerals and petroleum Bridging Documents.

11. The Chair put forward the proposal to re-organize all the Working Groups. He suggested that the six major sectoral working groups, viz, the Petroleum Working Group, Minerals Working Group, Renewable Energy Classification Working Group (with several Sub-groups), Anthropogenic Resources Working Group, Injection Projects Working Group and Nuclear Fuel Resources Working Group should report technical issues through the Technical Advisory Group (see Fig. 1 below). Other groups such as the Communications Working Group, Resourcing Working Group, Sustainable Development Goals Working Group and UNFC Revision Risk Force will report directly to the Bureau. Environmental and Social Considerations Task Force, G-axis Task Force and Competent Person Task Force will report to the UNFC Revision Task Force.

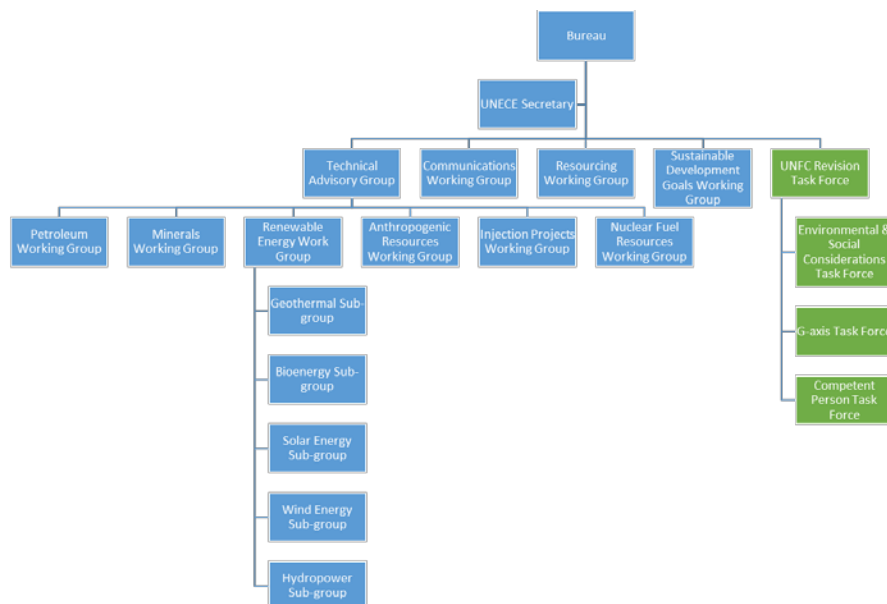


Fig 1. The proposed structure of the Bureau.

12. The proposed reorganization is to make the process of review of documents more efficient. The Chair suggested the Bureau consider this proposal and agree upon this in a later Bureau meeting.

13. The Chair informed that a new Chair of the TAG has to be approved. He suggested the name of Alistair Jones as the new TAG Chair. This was approved unanimously by the Bureau.

**Item 9. Updates on: (a) Renewable energy resources. (b) Other sectors/commodities.**

14. The informed that the Renewable Energy Classification Working Group had a call on 6 June. Bioenergy specification released for public comment on 24 May. The public comment period will be open until 23 July. The work on solar specifications progressing well and the sub-group propose to have a workshop in September.

15. Ulrich Kral provided an update on anthropogenic resources specifications progress. As planned, the final draft of the document is expected to be released for public comment during August – September.

16. Dave Elliot provided an update on the progress on Environmental and Social Considerations guidelines.

17. Hari Tulsidas gave an update on the progress on Nuclear Fuel Resources Working Group. The best practice publication and case studies from several countries are in progress.

#### **Item 10. Update on Chinese Bridging documents**

Documentation: Draft bridging document between China Mineral Reserves and Resources Classification System (CMRRCS) and UNFC; Draft bridging document between Chinese Petroleum classification system and UNFC

18. The Chair informed that the TAG has completed the review of the draft Chinese bridging documents. Drafts are currently under final consideration by MLR and will be available for public comments as soon as possible.

#### **Item 11. ISA/AMDC Workshop on Marine Mineral Resources of Africa's Continental Shelf and Adjacent International Seabed Area, Kampala, Uganda, 2–4 May 2017**

19. Tunde Arisekola provided an update on the “ISA/AMDC Workshop on Marine Mineral Resources of Africa's Continental Shelf and Adjacent International Seabed Area”. Tunde participated and provided a presentation on UNFC. The new Secretary General of ISA expressed interest in the new developments of UNFC and suggested that some of the aspects of UNFC could be adopted by ISA in their classification.

#### **Item 12. GKZ – UNECE Workshop, Moscow, 30–31 May 2017**

20. The Chair provided an update on the GKZ-UNECE workshop on “*The issues of expert evaluation of mineral reserves in the light of cooperation with international classifications*”, which was a well-attended meeting with over 300 participants. The meeting coincided with the 90<sup>th</sup> anniversary of GKZ. Two parallel streams on minerals and petroleum were organized. Dave MacDonald, Scott Foster, Charlotte Griffiths, Sigurd Heiberg, Roger Dixon, Janne Hokka and Michael Neumann were some of the participants in the meeting.

#### **Item 13. Eighth International Forum on Energy for Sustainable Development, Astana, Kazakhstan, 11–14 June 2017**

21. The Chair informed about the upcoming 8<sup>th</sup> International Forum on Energy for Sustainable Development in Astana. Over 2000 participants registered for the meeting. Two UNFC related sessions will be held in the Forum:

- i. Assessment of Coal Mine Methane Resources using UNFC
- ii. Energy and materials from wastes: application of UNFC for sustainable management of anthropogenic resources

**Item 14. Committee on Sustainable Energy 26th Session, Geneva, 26-28 September 2017**

22. The Chair informed the Bureau about the upcoming Committee on Sustainable Energy's 26th Session in Geneva. He said that the EGRC Work Plan 2018-19, Bioenergy specifications and Chinese Bridging documents will be submitted for the Committee endorsement.

**Item 15. Education and outreach**

Documentation: List of events promoting UNFC in 2017–2018 as at 1 June 2017

23. The Chair provided an update on the Fifty-fourth SPEE Annual Conference, London, United Kingdom, 10–13 June 2017. Hari Tulsidas participated and presented on the UNFC in the Mining Forum 2017, Berlin 1-2 June. Hari also attended and provide presentations on the UNFC in the IAEA Training Course on Uranium Resources in the Asia, Bangkok, Thailand, 16–19 May 2017. A major upcoming event will be the SPE ATCE, San Antonio, Texas, United States, 9–11 October 2017.

**Item 16. Date of next Bureau calls**

24. The next Bureau meeting will be held during the last week of July – the first week of August. The regular availability call will be issued.

**Item 17. Any other business**

25. Rodrigo Channes informed that the European Commission Raw Material Week will be held during 6–9 November, Brussels. He will look into the possibility of having a presentation on UNFC.

26. Sim Caluyong informed that CCOP will be discussing on the development of UNFC guidelines for east and south-east Asia for petroleum and minerals. The matter will be reviewed and decided at the CCOP Steering Committee meeting in October.

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