

To: Members of the Technical Advisory Group
From: John Etherington, TAG Chair

<p>Technical Advisory Group Meeting 20 June 2016 MINUTES</p>

Attendees: John Etherington (Chair), John Barry, Andrew Barrett, Vera Bratkova, Jan Bygdevoll, Roger Dixon, Alistair Jones, Dominique Salacz, Alexander Shpilman, Harikrishnan Tulsidas, and Charlotte Griffiths (Observer)

Apologies: Steve Griffiths and David MacDonald (Observer)

Approval of Draft Agenda

1. The draft agenda was revised to open with an introduction of new TAG members: Vera Bratkova and Steve Griffiths.

Minutes of TAG meeting of 26 April 2016

2. The draft minutes of the 26 April 2016 meeting were amended (deletion of item 8) and approved to be posted on the UNECE website.

Status Update: GKZ Petroleum Classification Bridging Document – John Etherington

3. The TAG continued its coordination with the Russian GKZ staff on the draft bridging document presented at the April 2016 EGRC 7th session in Geneva. All of the issues identified in the TAG's prior reviews were resolved and on 1 June 2016 the TAG recommended that the current document be approved by the Bureau.

4. The document was approved by the Bureau and posted for a 60-day comment period on 14 June 2016. After incorporating public feedback and additional TAG review, the document will be recommended for Bureau approval by late August. The final document in English and Russian will be submitted to the Committee on Sustainable Energy by 20 September for consideration at its annual meeting in late September 2016.

5. Charlotte noted that there may be a requirement to amend the text in the opening paragraph to clarify in both the English and Russian versions which document has been endorsed as an aligned system.

6. The final document follows the format utilized in the PRMS Bridging Document in UNECE Energy Series 42. The TAG is of the view that there is sufficient alignment such that a project that was initially reported under either PRMS or RF2013 would map to the same categories and classes in UNFC-2009. In order to confirm this alignment, the TAG recommended that a series of case studies be developed as a follow-up project (see New Business).

Status Update: Chinese Petroleum Classification Bridging Document – Dominique Salacz

7. Based on TAG feedback in the 25 April work session in Geneva, the “Research Institute for Petroleum Exploration and Development” (RIPED) will prepare a draft China Petroleum System to UNFC-2009 mapping following the format used in the PRMS Bridging document as contained in UNECE Energy Series 42 Annex IV. It is expected that this first draft will be available by early July.

Status Update: Bridging Document to Chinese Solid Minerals Classification – Roger Dixon

8. In the 26 April work session, the Ministry of Land and Resources (MLR) delivered a document entitled “Classification for Resources/Reserves of Solid Fuels and Mineral Commodities” that explained the Chinese system and provided a draft mapping to UNFC-2009. Again, the TAG emphasized that the final document should follow the format used in the CRIRSCO Template Bridging Document as contained in UNECE Energy Series 42 Annex II.

9. On 17 June, the EGRC received invitation to participate in the China Mining Congress and Exposition scheduled for 22–25 September 2016 in Tianjin, China. It was indicated that there will be an opportunity to participate in a work session on the China Solid Minerals to UNFC-2009 Bridging Project. Subject to resolving funding issues, Roger Dixon will attend and use this venue to progress the bridging document.

Status Update: Geothermal Project – Andrew Barrett

10. The Geothermal Specifications document was posted for a 60 day public review period 6 June to 4 August. Based on feedback received, the Geothermal Working Group will provide an amended document for TAG review in mid- to end-August. The target is to finalize the document with Bureau approval for submittal to the Committee on Sustainable Energy before 20 September 2016.

Status Update: Bioenergy Project – Alistair Jones

11. The TAG provided feedback to the Bioenergy Working Group on 10 June on two documents: a white paper on Access and Entitlement and Part II of an early draft of the Bioenergy Specifications. Alistair Jones will participate in a feedback session with the Bioenergy Group on 24 June.

12. A teleconference regarding a supplemental project chaired by James Primrose on G-axis modifications for application to renewable energy projects is scheduled for 27 June

Status Update: Specifications for the Application of UNFC-2009 to Injection Projects for the Purpose of Geological Storage – Jan Bygdevoll

13. The final document was presented at the 7th session of the EGRC and will be submitted to the Committee on Sustainable Energy for consideration at its annual meeting in late September 2016.

14. The CCS Working Group 3 (CCS-WG3) of the Oil and Gas Climate Initiative (OGCI) has expressed interest in working with the EGRC on the development of guidelines and case studies for application of UNFC-2009 to CO₂ storage. The Chair of the Injections Projects Task Force is aware of this development and will be involved in the scoping call with OGCI. ISO has a Technical Committee looking at CO₂ capture, transportation, and geological storage. The US Department of Energy is engaged on this Committee. A call will be held with a representative from US DOE and the Task Force Chair on 21 June to explore any potential areas for cooperation.

Status Update: Uranium/Thorium Best Practices and Case Studies – Harikrishnan Tulsidas

15. Work is proceeding on the Best Practices document. In addition, 4-5 new Case Studies are under development.

Other Projects

E-axis Study Group – Status Update – John Etherington

16. The E-axis study group presented a paper at the EGRC 7th Session entitled “Draft Guidance on accommodating environmental and social considerations in the United Nations Framework Classification for Fossil Energy and Mineral Reserves and Resources 2009”. The group continues its studies and will consider comments and feedback gathered in the EGRC session.

17. Future plans include:

- Prepare terminology and definitions to be presented at the 2017 EGRC
- Develop High level guidelines to be presented at the 2017 EGRC
- Determine the approach to developing detailed guidelines:
 - Recommended. For common factors by the EGRC and for specific factors by the owners of the resource specific guidelines.
 - Alternative. Solely by owners of Resource specific guidelines.

Project Definition Study Group – Status Update – John Etherington

18. A “Draft Guidance Note to support the United Nations Framework Classification for Fossil Energy and Mineral Reserves and Resources 2009 Definition of a Project” was submitted for discussion at the seventh session of the Expert Group and is intended to supplement the definition of a Project as documented in UNFC-2009 *incorporating Specifications for its Application*, ECE Energy Series No. 42, Part II, Annex I.

19. Subject to the incorporation of minor amendments, the Expert Group recommended that the text be finalized and posted to the ECE website. This guidance note reproduces the UNFC-2009 definition of a Project, highlights the differences between this definition and the definition recently adopted in a European Union accounting directive, documents some of the underlying principles of project-based resource classification, and finally provides a set of guidelines that should enhance the consistency of application of UNFC-2009 by its users.

Competent Person Study – Status Update - Harikrishnan Tulsidas

20. Based on inputs from 7th Session of EGRC, the CP note is being revised. By the end of June, the revised CP note will be circulated in the CP sub-committee. Some more EGRC members (representing EFG, GKZ etc) have volunteered to join the group. The draft note will be discussed in the sub-committee during July. By the end of end of July – early August we expect to have a version for TAG review.

New Business

Oil and Gas Case Studies – John Etherington

21. As noted under the Russian Bridging Document, there is a requirement to develop a series of case studies on classification of oil and gas projects to demonstrate the application of UNFC-2009 and ensure that there is alignment between commodity specific systems. While the project is not yet formally defined, it should demonstrate that property and project assessments derived by applying either PRMS or RF-2013 (and subsequently the Chinese petroleum classification system) would map to the same categories and classes in UNFC-2009.

22. The TAG chair will solicit TAG volunteers familiar with oil and gas assessments to refine the project scope and begin work in mid-2016.

Next Meeting

23. It was proposed to schedule the next TAG meeting in the week of 18 July 2016.

