

To: Members of TAG
From: Alistair Jones, TAG Chair

Technical Advisory Group Meeting 4 July 2018 MINUTES

Attendees: Alistair Jones (Chair), Frank Denelle, Ulrich Kral, Satinder Purewal, Hari Tulsidas, Charlotte Griffiths

Apologies: Karin Ask, Adrienne Hanly, Michael Neumann

Approval of draft agenda

1. The draft agenda was approved.

Minutes of previous TAG meeting

2. The draft minutes of the 24th April 2018 meeting were approved.
3. Matters arising:
 - The TAG annual report was finalised and submitted to the ECE secretariat. This closes Action 1
 - Action 2 and 3 were to discuss work plans and next steps to achieving EGRC goals in the TAG. These are items 6 and 7 on this agenda which closes these actions.

Status of Document Reviews

4. The China Bridging Documents for Minerals and Petroleum have been finalised and reviewed. These are recommended to the Bureau for endorsement by the Committee on Sustainable Energy.
5. The ninth EGRC approved final draft Anthropogenic Resource Specifications and recommended their endorsement by the Committee on Sustainable Energy. The Working Group received some additional comments and minor updates were made. These have been reviewed and a final version is expected to be agreed by end July.

Commercial Working Group and ToR

6. The Commercial Working Group is now established with members: Sigurd Heiberg (Chair), Carolina Coll, Danny Trotman, David Elliott, Kathryn A. Campbell, Michael Lynch-Bell, Nick Stansbury, Steve Griffiths.

7. Draft Terms of Reference (ToR) were circulated to TAG before the meeting and were discussed. Further comments are requested from TAG members before finalising the ToR and agreement by TAG.

Action 1: TAG members to send comments on the Commercial ToR by 20th July. Please send comment to Sigurd and copy other TAG members.

Working Group Objectives and Plans.

8. One of the TAG responsibilities defined in the TAG ToR is to 'Review Working Group goals, objectives and plans and recommend to the Bureau.' Hence it was agreed at the previous meeting to review annual objectives and plans. Work plans for the Anthropogenic

and Commercial Working Groups have been circulated to TAG. In addition, work plans for the Petroleum and Renewables Working Groups were summarised and discussed.

Action 2: Alistair will work with each WG chair to summarise objectives, plans and key milestones and circulate to TAG by end July.

9. Mexico has a clear vision to adopt UNFC for Petroleum and the recent workshops there and in Moscow showed considerable energy for applying UNFC. The pilot project for Mexico should provide very useful guidance on the practicalities of implementing UNFC. Work is also progressing on developing Specifications and guidelines for Petroleum.

10. The development and application of UNFC for Renewables is progressing well. Geothermal and Bioenergy are the most mature and are working on case studies and implementation. Solar and Wind are developing specifications and Solar also plans to undertake case studies this year. Work on Hydropower specifications is starting to progress. Effort are ongoing to form a Marine Energy working group.

11. Anthropogenic Specifications are close to approval (see item 5) and a work plan for testing through case studies, extending the network and dissemination is in place.

12. Work on Commercial aspects is beginning, as described above. The Mexico workshop provided an example of the assistance needed in defining requirements for potential lenders in understanding renewable energy projects and risks.

13. In addition to Working Group activities, external groups are working with EGRC and UNFC e.g.

- the European Commission is committed to using UNFC for raw materials and will develop guidelines in a similar way to the Nordic Project
- A draft AMREC proposal on Resource Management, including application of UNFC is expected in 2018.

Next Steps to Achieve EGRC Goals

14. At the previous TAG meeting it was agreed that TAG should discuss how best to support EGRC goals. The report on the ninth EGRC meeting had been circulated before the meeting.

Action 3: TAG members are asked to review EGRC recommendations and requests, specific to their Working Group and to check alignment of work plans.

15. The UNFC update was discussed. The intent is not to make fundamental changes to UNFC principles but to respond to the broadening scope of sectors covered by UNFC and to the input from the Task Forces on the G axis and Social and Environmental aspects. The TAG discussed the urgent need to work with the Solar Working Group on appropriate updates development of Solar Specifications.

Action 4: Hari with discuss and clarify plans and process for the update with EGRC Chair.

16. The discussion EGRC goals and work programme will be continued at the next TAG call e.g. work in support of SDGs and to develop a resource management template and case studies,

Next meeting

17. The weeks of 20th Aug or 17th Sep were suggested for the next TAG call. Hari will send out poll to check availability. Given the time before the next call, some business will be conducted by email.