

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

From: David MacDonald and Charlotte Griffiths

Conference Calls of the Bureau of the Expert Group on Resource Classification (EGRC)
11 April 2016
MINUTES

Present on 9am BST 11 April Call:

1. David MacDonald (Chair)
2. Karin Ask (petroleum sector)
3. Roger Dixon (CRIRSCO)
4. Nathan Frisbee (IEA)
5. Jim Ross (petroleum sector)
6. Slavko Solar (European Commission)
7. Danny Trotman (financial reporting)
8. Charlotte Griffiths (UNECE)

Present on 3pm BST 11 April Call:

1. David MacDonald (Chair)
2. Sim Caluyong *representing* Adichat Surinkum (CCOP)
3. David Elliott (financial reporting sector)
4. Michael Lynch-Bell (Chair ex-officio)
5. John Ritter (SPEE)
6. Jim Ross (petroleum sector)
7. Igor Shpurov (GKZ Russian Federation)
8. Hari Tulsidas (IAEA)
9. Brad Van Gosen (USGS)
10. Charlotte Griffiths (UNECE)

Observer:

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

Apologies:

1. Tunde Arisekola (NGSA)
2. Fatih Birol (IEA)
3. Mucella Ersoy (Turkish Coal Enterprises)
4. Gioia Falcone (geothermal sector and academia)
5. Kjell Reidar Knudsen (Norwegian Petroleum Directorate)
6. Bernard Seiller (SPE)
7. Adichat Surinkum (CCOP)
8. Narendra Verma (petroleum sector)

Draft Agenda

1. Approval of draft agenda
2. Draft minutes of Bureau calls of 3 March
3. Bureau Update
4. UNECE EXCOM Meeting, 14 March 2016
5. Preparations for EGRC Seventh Session
6. Guidance note on competent person
7. Technical Advisory Group update

8. Update on application of UNFC to injection projects
9. Update on application of UNFC to renewable energy resources
10. UNFC resourcing strategy
11. Education and outreach
12. Update on Mining the European Anthroposphere (MINEA) Project
13. UNFC and SEEA Central Framework
14. Date of next Bureau meetings
15. Any other business

Documentation:

1. Draft agenda for Bureau Calls on 11 April 2016
2. Draft Minutes of 3 March 2016 Bureau Calls
3. Revised Bureau nominations
4. Revised EGRC Bureau Members Contact List
5. Revised EGRC 7th Session Draft Conclusions and Recommendations
6. Revised Overview of Resource Classification Week 2016
7. Detailed EGRC 7th Session Timeline
8. Draft TAG Annual Report for 2015–2016
9. Minutes of RE Task Force meeting of 27 January 2016
10. Revised UNFC Resourcing Strategy
11. Minutes of CSC meeting of 15 December 2015
12. List of events promoting UNFC in 2016–2017 as at 31 March 2016

Item 1. Approval of Draft Agenda

1. The agenda was adopted without amendment.

Item 2. Draft minutes of Bureau calls of 3 March 2016

Documentation: Draft minutes of Bureau calls of 3 March 2016

2. The draft minutes were adopted without amendment.
3. The CRIRSCO representative requested more information on which EGRC experts have been invited to join the MINEA project (paragraph 54). The Chair explained that this project was not part of the official programme of work of the EGRC and that a number of EGRC experts interested in the topic of the project had been approached informally. Additional information was provided under Item 12 of the meeting.

Item 3. Bureau Update

Attachment 3: Revised Bureau nominations

4. The revised list of Bureau nominations was reviewed (see Annex to these minutes). The Bureau noted the changes since 3 March 2016 as follows:

- The Permanent Mission of the United States in Geneva has nominated David MacDonald as Chair and Brad Van Gosen as Vice Chair;
- The Government of the Russian Federation has nominated Igor Sphurov as First Vice Chair
- IAEA has nominated Hari Tulsidas as Vice Chair
- ONGC Videsh has nominated Narendra Verma as Vice Chair.

5. The Bureau reviewed and confirmed its support for all those nominees highlighted in yellow on the list attached in the Annex.

Attachment 4: Revised EGRC Bureau Members Contact List

6. The revised Bureau contact list was reviewed. Gioia Falcone has changed her role and is now at Cranfield University. The Bureau congratulated Gioia on her new position. The Chair requested members to advise Charlotte of any changes needed to the contact list.

Item 4. UNECE EXCOM Meeting, 14 March 2016

7. The UNECE Executive Committee (EXCOM) met on 14 March 2016 and approved the EGRC Work Plan for 2016–2017.

Item 5. Preparations for EGRC Seventh Session

Attachment 5: Revised EGRC 7th Session Draft Conclusions and Recommendations

8. The revised draft Conclusions and Recommendations for the EGRC 7th session were reviewed. It was noted that they had been revised since the last Bureau meeting to incorporate feedback received, including the proposal to establish a task force or sub-group to start working on UNFC revision. If a revised UNFC text is to be issued in 2018, work needs to start this year.

9. The draft Conclusions and Recommendations will be circulated to UNECE member States this week, together with the list of Bureau nominees.

Attachment 6: Revised Overview of Resource Classification Week 2016

10. The revised overview for the week of meetings was circulated. Monday and Tuesday will be busy with the IAEA consultations, the various TAG meetings and the UNFC workshop. The Chair encouraged members to attend the full week if their schedules allow.

Attachment 7: Detailed EGRC 7th Session Timeline

11. The first draft of the detailed timeline was circulated on 8 April. The Chair requested feedback from Bureau members as soon as possible. He noted that the draft timeline is a work in progress and efforts are being made to accommodate all the speakers' travel schedules etc.

12. It was noted that a speaker was being sought for the financial reporting update. Kathryn Campbell has been approached. Danny Trotman agreed to provide the update.

EGRC 7th Session Documents

13. The Chair reviewed the status of the EGRC 7th session documents submitted or yet to be submitted since the last Bureau meeting:

- (i) The draft injection projects specifications have been finalized and submitted as an official document.
- (ii) Work is ongoing on the draft geothermal specifications to incorporate feedback received. The document will be submitted before the deadline of 18 April.
- (iii) Work is progressing on the Russian Federation bridging document with a draft scheduled to be submitted by 15 April.

14. The following informal documents are planned:

INF.1: Conclusions and Recommendations

INF.2: Summary of comments received during Injections Projects public comment and how Task Force dealt with them

INF.3: EGRC Resourcing Proposal

INF.4: TAG annual report

INF.5: Draft guidance note on competent person – to be confirmed

INF.6: CSC report – to be confirmed

Participants

15. Currently have some 180 experts registered representing the usual wide range of UNFC stakeholders including both UNECE and non-UNECE member countries. Feedback has also been received from a number of experts interested in attending that they are unable to due to funding issues.

Item 6. Guidance note on competent person

16. Significant progress has been made on the guidance note thanks to input from Hari Tulsidas, Jim Ross and Michael Lynch-Bell. There is concern that the guidance note should not become too lengthy or complicated. The intent is to have a draft ready to circulate ahead of the EGRC 7th session but this may not be practicable.

Item 7. Technical Advisory Group update

Attachment 8: Draft TAG Annual Report for 2015–2016

17. The draft annual TAG report was circulated to the Bureau. The Chair noted that the report highlights how busy and effective the TAG has been this year.

18. The TAG is continuing to work with GKZ of the Russian Federation on the draft RF-2013 and UNFC Bridging Document and is also making progress on the bridging to the Chinese solid minerals and petroleum classifications. All three topics will be discussed at TAG meetings in Geneva on 25 and 26 April.

19. The TAG membership was discussed. Membership of the TAG is for two years. The Bureau noted that the following members have stepped down: Santosh Adhikari, Per Blystad, Leesa Carson, Michael Lynch-Bell, Maksim Saakian and Danny Trotman. The Chair presented the new list of candidates for membership for the period April 2016 to April 2018. Following review and discussion the Bureau approved the list as presented.

- (1) Chair: John ETHERINGTON
- (2) Members:
- (3) Andrew BARRETT
- (4) John BARRY
- (5) Vera BRATKOVA
- (6) Jan BYGDEVOLL
- (7) Roger DIXON
- (8) Alistair JONES
- (9) Dominique SALACZ
- (10) Alexander SHPILMAN
- (11) Hari TULSIDAS

20. The Chair noted that a number of new members are being sought, in particular for the solid minerals sector (the membership currently has a petroleum bias) and financial reporting. The TAG is also looking to improve gender balance.

21. The Bureau noted with appreciation the efforts and outputs of the TAG and thanked the outgoing members for their contribution and congratulated the newly elected members.

Item 8. Update on application of UNFC to injection projects

22. The Task Force has agreed on the use of the term geological storage as a replacement for the previously proposed term “storage potential” for which there was no consensus. The draft specifications are now finalized and have been issued as an English only official document for the EGRC 7th Session.

23. The TAG had provided a comment on adding “Extracted Quantities” to the classification, however the Task Force did not have time to discuss this point, agree and possibly change the specifications prior to the EGRC 7th session.

24. This could mean adding a category that is not part of the Total Geological Storage, but which reflects the quantity that has been withdrawn from storage either in a CO₂ EOR, or gas in storage that has been extracted for sale. It would not have an E-F-G category but could be added on top and outside of the Total Geological Storage quantity as shown in Figure 1 (the “pinkish” coloured cell). The text of the specifications would also need to change the text as well to define this. Extracted quantities have not been included in any other Geological Storage classification proposed by others. It was agreed that the Chair of the Task Force should raise this topic for discussion at the EGRC 7th session.

Figure 1

UNFC-2009 Classes Defined by Categories as Applied to Injection Projects for the Purpose of Geological Storage					
Quantities Extracted from Storage					
Total Geological Storage	Injected and Stored Quantities				
	Lost quantities ^a				
		Class	Categories		
			E	F	G ^b
	Future storage by commercial injection projects	Commercial Injection Projects ^c	1	1	1, 2, 3
Future storage in known reservoirs by injection projects	Potentially Commercial Injection Projects ^c	2 ^d	2	1, 2, 3	
	Non-Commercial Injection Projects ^c	3	2	1, 2, 3	
	Storage Not Feasible ^d	3	4	1, 2, 3	
Potential future storage in undiscovered reservoirs by injection projects	Screening Projects	3	3	4	
	Storage Not Feasible ^d	3	4	4	

25. The Chair noted that he has recently become aware that the Oil and Gas Climate Initiative (OGCI) is planning to define a methodology for reporting of CO₂ storage reserves/resources. OGCI is an industry-driven initiative which aims to catalyse practical action on climate change in focus areas such as the role of natural gas, carbon reduction instruments and tools, and long-term energy solutions. Launched at COP21, current members

are BP, CNPC, Eni, PEMEX, Reliance Industries, Repsol, Saudi Aramco, Shell, Statoil and TOTAL.

26. Contact has been made with OGCI so that they are aware of our work on injection projects and to ensure that anything that is developed is aligned.

27. The SPE GSRMC (Geological Storage Resource Management Committee) is also working to develop its own definitions and specifications. The essence and concepts of the SPE system are likely to be identical but the terms used may differ to that of the UNFC specifications.

28. The Chair and the other Task Force members were thanked for their continued efforts.

Item 9. Update on application of UNFC to renewable energy resources

Attachment 9: Minutes of RE Task Force meeting of 27 January 2016

29. The Renewables Task Force is continuing to work on the geothermal and the bioenergy specifications.

30. The Chair of the Task Force, Frank Denelle, is working to establish a Wind Working Group.

31. The Chair has also reached out to the head of renewables at IEA, IRENA and the Germany Energy Agency.

32. A constructive introductory call was held on 23 March with the head of the Global Solar Council (GSC) and Scott Foster subsequently met with him Washington on 1 April. It is hoped that GSC could assist with the work to apply UNFC to solar.

33. The Chair advised that on 19 May 2016, he, Scott Foster and Frank Denelle will meet with Dr. Martin Schöpe, Head of the International Energy Policy Division, German Federal Ministry for Economic Affairs and Energy. Dr. Schöpe is also the Chair of the IEA Renewable Energy Working Party and works closely with IRENA.

34. The Chair and the other Task Force members were thanked for their continued efforts.

Item 10. UNFC resourcing strategy

Attachment 10: Revised UNFC Resourcing Proposal

35. A revised text of the resourcing proposal was prepared which incorporates feedback received from the Bureau. It will be circulated as an informal document for the EGRC 7th session and presented at the meeting.

36. Additional funds are needed to provide additional support to the UNECE secretariat. Currently only 50% of one professional staff member is allocated to support EGRC which is not adequate to respond to the demands of EGRC/UNFC.

37. The CRIRSCO representative requested clarification on the use of the funds for education and training. It was noted that the key intent of the funds was to provide support for travel and out of pocket expenses but it was not intended to reimburse the time of experts.

Item 11. Education and outreach

Attachment 11: Minutes of CSC meeting of 15 December 2015

Attachment 12: List of events promoting UNFC in 2016–2017 as at 31 March 2016

38. The Communications Sub-Committee (CSC) met on 3 March. The CSC continues to make progress to implement the EGRC education and outreach strategy.

39. The CSC is planning to hold a series of webinars on UNFC. A survey with a list of proposed topics will be circulated at the EGRC meeting to seek feedback on what people would find the most useful. The Bureau encouraged that the webinars be well advertised.

40. The Co-Chairs and the other Sub-Committee members were thanked for their continued efforts.

Item 12. Update on Mining the European Anthroposphere (MINEA) Project

41. The MINEA project kick off meeting was held in Brussels in early March.

42. Mine wastes are now formally accepted as part of Working Group (WG) 2 “resource potentials of waste in landfills” with the proposed new name “resource potentials of waste in landfills and mine wastes”. The exact scope and wording is still to be discussed and agreed.

43. Sigurd Heiberg’s offer to step in as leader of WG4 (resource classification of secondary resources) leader was welcomed. However, the COST Association recommended to give preference to candidates that were present at the meeting, and thus the Cost Committee decided to appoint Prof. Soraya Heuss-Aßbichler, an environmental geologist from the Technical University of Munich as WG4 leader. She offered to lead the group permanently and will participate in EGRC 7th session on behalf of WG4.

44. Mark Simoni from the Geological Survey of Norway has been appointed as the WG4 vice leader on a temporary basis so as to allow discussion at the EGRC 7th session and to see if the EGRC puts forward an alternative candidate.

45. Slavko Solar participated at the kick off meeting in Brussels as an external observer on behalf of DG GROWTH and was pleased to hear that UNFC is likely to be an integral part of MINEA discussions.

46. The Chair noted that the anthropogenic resources are not part of the official EGRC work programme. Interested EGRC experts are becoming involved on an informal basis.

Item 13. UNFC and SEEA Central Framework

46. A constructive conference call was held on 21 March with those responsible in the UN Statistics Division in New York for the SEEA, SEEA-Energy and IRES. Also on the call was a member of the OECD Task Force on the implementation of the SEEA Central Framework. The discussion was extremely useful for all parties and served to clarify a number of misunderstandings. The Chair, Roger Dixon, Gioia Falcone, Jim Ross, Sigurd Heiberg and Charlotte Griffiths participated from EGRC.

47. A key outcome of the call was to clarify that SEEA is applying UNFC and there is no intent to use or create a different system. The wording used in the draft text was potentially misleading on this point and the wording will be revised as a result of the discussion. The Chair noted that the SEEA is defining a disclosure framework and has aggregated UNFC classes, which is explicitly permitted in the system. The Chair noted that this is a good example of the use of UNFC.

48. The OECD Task Force on the implementation of the SEEA Central Framework offered an opportunity to comment on its background note “Classification of mineral and energy resources”. The comments provided were noted and appreciated and will be incorporated.

49. Representatives from the UN Statistics Division will present at the EGRC 7th session via videoconference on 28 April, The presentation will cover what the SEEA is, the process of its adoption, what does it mean for it to be a statistical standard, what is the SEEA-Energy and the relationship with the SEEA, the mineral and energy accounts (and in particular the classification of assets and the three classes A,B and C proposed in the SEEA. The work of the OECD Task Force to map the UNFC classes into the SEEA as part of the application of UNFC will also be presented.

Item 14. Date of next Bureau meetings

50. The Bureau will meet for a working dinner at 7pm on Tuesday 26 April at the Point du Jour restaurant. Members of the TAG and heads of the various Task Forces who will be in Geneva have also been invited. A doodle poll for attendance will be set up.

51. The Bureau will also meet in the EGRC meeting room at 6pm on Thursday 28 April.

Item 15. Any other business

52. The Chair advised that he would be meeting with ADNOC during his visit to Abu Dhabi the week of 18 April.

53. It was noted that the possibility for the UNECE Executive Secretary to meet with the Secretary General of OPEC was still being explored.

ANNEX

Nominations for EGRC Bureau elections at EGRC Seventh Session: as at 7 April 2016

	Nominee	Representing	Nominated by
1	Chairman: David MACDONALD, BP	Petroleum sector, industry	US Permanent Mission in Geneva
2	First Vice Chairman: Igor SHPUROV, State Committee on Mineral Reserves of the Russian Federation	Russian Federation, petroleum and solid minerals	Government of the Russian Federation
3	CRIRSCO: Roger DIXON	CRIRSCO	CRIRSCO
4	SPE: Bernard SEILLER	SPE	SPE
5	Tunde ARISEKOLA, NGSA	Nigeria, solid minerals, uranium	
6	Karin ASK, Statoil	Norway, petroleum sector, industry	Ministry of Petroleum and Energy of Norway
7	Fatih BIROL, IEA	International energy studies	IEA
8	David ELLIOTT, Geosgil	Private sector, financial reporting	
9	Mucella ERSOY, Turkish Coal Enterprises	Turkey, solid minerals	Awaiting written confirmation from Turkish Permanent Mission in Geneva
10	Gioia FALCONE, Cranfield University and International Geothermal Association	Academia, geothermal, renewables	
11	Kjell Reidar KNUDSEN	Norway, petroleum sector	Ministry of Petroleum and Energy of Norway
12	Michael LYNCH-BELL, KAZ Minerals	Financial reporting, solid minerals	
13	John RITTER, SPEE	SPEE	SPEE
14	Jim ROSS	Petroleum	
15	Adichat SURINKUM, CCOP	South-east Asia, petroleum and solid minerals	Ministry of Petroleum and Energy of Norway
16	Daniel TROTMAN, EY	Financial reporting	
17	Hari TULSIDAS, IAEA	IAEA, nuclear fuels, solid minerals	IAEA
18	Brad VAN GOSEN, USGS	USA, nuclear fuels	US Permanent Mission in Geneva
19	Narendra VERMA, ONGC	India, petroleum	
20	Radoslav VUKAS	Serbia	Ministry of Mining and Energy of Serbia
21	European Commission tbc	European Commission	
22	Observer: Chair, Technical Advisory Group		
