TAG Summary Report
Geneva April 25th, 2018
Full Report on UNECE Website
TAG and WGs Organisation and Scope

2017-18 Activities
- Documents
- Reviews
- Advice

Status of UNFC
- Progress of bridging, case studies and development

Challenges for development and application
**TAG Membership**
April to October 2017

<table>
<thead>
<tr>
<th>Name</th>
<th>Field</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr John Etherington, Chair</td>
<td>Petroleum</td>
</tr>
<tr>
<td>Mr Andrew Barrett</td>
<td>Minerals, National Reporting</td>
</tr>
<tr>
<td>Ms. Vera Bratkova</td>
<td>Petroleum, National Reporting</td>
</tr>
<tr>
<td>Mr Jan Bygdevol</td>
<td>Petroleum, National Reporting</td>
</tr>
<tr>
<td>Mr Roger Dixon</td>
<td>Minerals, CRIRSCO</td>
</tr>
<tr>
<td>Mr Steve Griffiths (from Jun)</td>
<td>Petroleum, Industry</td>
</tr>
<tr>
<td>Mr Alistair Jones</td>
<td>Petroleum, Industry</td>
</tr>
<tr>
<td>Mr Dominique Salacz</td>
<td>Petroleum, Industry</td>
</tr>
<tr>
<td>Mr Alexander Shpilman</td>
<td>Petroleum, National Reporting</td>
</tr>
<tr>
<td>Mr Bradley Van Gosen</td>
<td>Nuclear Fuel Resources</td>
</tr>
</tbody>
</table>

**Observers**

- Mr David MacDonald
- Mr Harikrishnan Tulsidas
- Ms Charlotte Griffiths
TAG Membership
April 2018

- Mr Alistair Jones Chair
- Mr Ulrich Kral Anthropogenic Working Group
- Mr Sigurd Heiberg Commercial Working Group
- Ms Karin Ask Injection Working Group
- Mr Michael Neumann Minerals Working Group
- Ms Adrienne Hanly Nuclear Fuel Working Group
- Mr Satinder Purewal Petroleum Working Group
- Mr Frank Denelle Renewables Working Group

Observers
- Mr David MacDonald EGRC Chair
- Mr Harikrishnan Tulsidas UNECE
- Ms Charlotte Griffiths UNECE
TAG Role

Revised Terms of Reference developed and agreed by Bureau

- Ensure appropriate and timely review of sectoral WG documents
- Review Working Group goals, objectives and plans
- Manage requests for assistance or advice
- Maintain awareness of Working Group progress, opportunities & issues. Keep Bureau informed
- Facilitate support across Working Groups

Document Reviews
- Undertaken by appropriate experts drawn from the Working Groups and other experts, as required
Working Group Role

Generic description – priorities will differ between Working Groups

- Develop and maintain sector/resource specifications, guidelines and best practice documents
- Provide advice on interpreting, applying and/or mapping to UNFC
- Assist in stakeholder engagement for the application of UNFC
- Assist stakeholders to develop and maintain bridging documents
- Work with stakeholders to develop case studies
- Assist with reviews of documents, and provide expert advice

Generic description – priorities will differ between Working Groups

Working Groups are volunteer so capacity is limited
### WG Documents and Reviews

**April 2017-April 2018**

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Minerals</strong></td>
<td>CCMR-1999 Bridging Document</td>
</tr>
<tr>
<td></td>
<td>public comments received</td>
</tr>
<tr>
<td></td>
<td>Minerals Proposal</td>
</tr>
<tr>
<td></td>
<td>project proposal to EGRC</td>
</tr>
<tr>
<td></td>
<td>Use of UNFC Finland Norway, Sweden</td>
</tr>
<tr>
<td></td>
<td>advice to Nordic Project</td>
</tr>
<tr>
<td><strong>Nuclear Fuels</strong></td>
<td>Best Practice for uranium and thorium</td>
</tr>
<tr>
<td></td>
<td>being drafted</td>
</tr>
<tr>
<td><strong>Petroleum</strong></td>
<td>CCPR-2004 Bridging Document</td>
</tr>
<tr>
<td></td>
<td>public comments received</td>
</tr>
<tr>
<td></td>
<td>RF-2013 Case Studies</td>
</tr>
<tr>
<td></td>
<td>2 proposed for publication</td>
</tr>
<tr>
<td></td>
<td>Review of PRMS draft update</td>
</tr>
<tr>
<td></td>
<td>comments provided to SPE</td>
</tr>
<tr>
<td></td>
<td>Enquiry on petroleum classification</td>
</tr>
<tr>
<td></td>
<td>advice provided</td>
</tr>
<tr>
<td></td>
<td>UNECE application by NOCs</td>
</tr>
<tr>
<td></td>
<td>project proposal to EGRC</td>
</tr>
<tr>
<td><strong>Injection</strong></td>
<td>Injection Case Study</td>
</tr>
<tr>
<td></td>
<td>being drafted</td>
</tr>
<tr>
<td><strong>Renewables</strong></td>
<td>Geothermal updated Case Studies</td>
</tr>
<tr>
<td></td>
<td>14 published</td>
</tr>
<tr>
<td></td>
<td>Bioenergy Specifications</td>
</tr>
<tr>
<td></td>
<td>approved and published</td>
</tr>
<tr>
<td></td>
<td>Solar Specifications</td>
</tr>
<tr>
<td></td>
<td>first draft for review &amp; testing</td>
</tr>
<tr>
<td><strong>Anthropogenic</strong></td>
<td>Anthropogenic Specifications</td>
</tr>
<tr>
<td></td>
<td>proposed for approval</td>
</tr>
</tbody>
</table>

---

UNECE
Previous Status of UNFC

April 2017

Generic Specifications (UNFC 2009)

Commodity-Specific Specifications

- Minerals
- Nuclear Fuels
- Petroleum
- Injection & Geological Storage
- Renewables
  - Geothermal
  - Bioenergy
  - Solar
  - Wind
- Anthropogenic

Aligned Systems

- CRIRSCO Template
- NEA/IAEA Red Book
- PRMS
- RF2013
- CCMR-1999
- CCPR-2004

Petroleum

Minerals

Anthropogenic

Injection & Geological Storage

Bioenergy

Solar

Wind

Geothermal

Nuclear Fuels

Renewables

Commodity-Specific Specifications
Progress on Bridging Documents

April 2018

Generic Specifications (UNFC 2009)

Commodity-Specific Specifications

- Minerals
- Nuclear Fuels
- Petroleum
- Injection & Geological Storage
- Renewables
  - Geothermal
  - Bioenergy
  - Solar
  - Wind
  - Marine Hydro
- Anthropogenic

Aligned Systems

- CRIRSCO Template
- NEA/IAEA Red Book
- PRMS
- RF2013
- CCMR-1999
- CCPR-2004
Progress on Specifications

April 2018

Generic Specifications (UNFC 2009)

Commodity-Specific Specifications

Minerals  Nuclear Fuels  Petroleum  Injection & Geological Storage  Renewables  Geothermal  Bioenergy  Solar  Wind  Marine Hydro  Anthropogenic

Aligned Systems

CRIRSCO Template  NEA/IAEA Red Book  PRMS  RF2013  CCMR-1999  CCPR-2004
Progress on Case Studies, Guidelines and advice
April 2018

Generic Specifications (UNFC 2009)

Commodity-Specific Specifications
- Minerals
- Nuclear Fuels
- Petroleum
- Injection & Geological Storage
- Geothermal
- Bioenergy
- Renewables
- Solar
- Wind
- Marine Hydro
- Anthropogenic

Aligned Systems
- CRIRSCO Template
- NEA/IAEA Red Book
- PRMS
- RF2013
- CCMR-1999
- CCPR-2004
Progress on Proposals
April 2018

- Generic Specifications (UNFC 2009)
- Commodity-Specific Specifications
  - Minerals
  - Nuclear Fuels
  - Petroleum
  - Injection & Geological Storage
  - Renewables
    - Geothermal
    - Bioenergy
    - Solar
    - Wind
    - Marine Hydro
  - Anthropogenic
- Aligned Systems
  - CRIRSCO Template
  - NEA/IAEA Red Book
  - PRMS
  - RF2013
  - CCMR-1999
  - CCPR-2004
Significant progress on UNFC for all commodities

- Bridging
- Specifications
- Case studies, guidelines and advice
- Proposals
Challenges

- Maintain alignment/consistency
  - Bridging existing classifications
  - New Specifications and guidelines

- Clarify vision, adopt and apply
  - Bridging for consistent understanding
  - Specifications for resource management, investment & reporting
  - Serve stakeholders
  - Support Sustainable Development
Thank you!

Alistair Jones
TAG Chair
UNECE
Date 25 I 04 I 2018, Geneva