G axis uses
Overview of Task Force report & recommendations

Longer talk on Friday
• EGRM 14 recognized that the G axis is being used in different ways – for different resources and applications.
  • G axis Degree of confidence (in estimated quantities). What does it mean?
• Task Force to clarify uses and recommend way forward

<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alistair Jones (Chair)</td>
<td>Academia / oil &amp; gas, carbon storage</td>
</tr>
<tr>
<td>Hendrik Falck</td>
<td>Profession regulators and industry / minerals</td>
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<tr>
<td>Ulrich Kral</td>
<td>Government sector / anthropogenic</td>
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<tr>
<td>Alex Shpilman</td>
<td>Private sector / oil &amp; gas</td>
</tr>
<tr>
<td>Slavko Šolar</td>
<td>UNECE / minerals</td>
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<tr>
<td>Hari Tulsidas</td>
<td>UNECE / nuclear</td>
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<tr>
<td>Marina v. Vietinghoff-Scheel</td>
<td>Government sector / anthropogenic</td>
</tr>
</tbody>
</table>
**Different uses of G axis**

**Schematic**

- **G axis Degree of confidence in estimated quantities**
  - Review of case studies and bridging documents
  - Extensive discussion
  - TAG review and feedback
  - Presentation to Bureau

<table>
<thead>
<tr>
<th>Known source</th>
<th>Confidence in estimate</th>
<th>Position in uncertainty range</th>
</tr>
</thead>
<tbody>
<tr>
<td>G1</td>
<td>High degree of confidence (low uncertainty) in the quantity estimated</td>
<td></td>
</tr>
<tr>
<td>G2</td>
<td>Moderate degree of confidence (moderate uncertainty) in the quantity estimated</td>
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<tr>
<td>G3</td>
<td>Low degree of confidence (high uncertainty) in the quantity estimated</td>
<td></td>
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- **Categories for known sources**
  - G1, G2, G3
  - G1+G2 and G1+G2+G3 are not used

- **Categories for potential sources**
  - G4 – Product quantity associated with a prospective project

**minerals, nuclear, anthropogenic**

**petroleum, injection, renewables**
# Approximate correspondence between uses

<table>
<thead>
<tr>
<th>Class</th>
<th>Minimum E and F Categories</th>
<th>Approximate correspondence between uses of G axis</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td><strong>Confidence in estimate</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>G1</td>
</tr>
<tr>
<td>Viable Projects</td>
<td>E1</td>
<td>G2</td>
</tr>
<tr>
<td></td>
<td>F1</td>
<td>G3</td>
</tr>
<tr>
<td>Potentially Viable</td>
<td>E2</td>
<td>G1</td>
</tr>
<tr>
<td>Projects</td>
<td>F2</td>
<td>G2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>G3</td>
</tr>
<tr>
<td>Non-Viable Projects</td>
<td>E3</td>
<td>G1</td>
</tr>
<tr>
<td></td>
<td>F3</td>
<td>G2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>G3</td>
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<tr>
<td>Prospective Projects</td>
<td>E3</td>
<td>G4</td>
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</table>
Recognise that the G axis is used differently for different purposes, but that there is an approximate correspondence between G axis categories.

Document guidance and naming convention for these uses: “confidence in estimate” & “position in uncertainty range”, and show how comparisons can be made.

Working Groups consider adding resource-specific guidance on how to estimate quantities and assign appropriate G axis categories (some exists e.g. petroleum).

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Address related issues:
- List relevant UNFC documents for different users
- Update project guidance note
- Guidance on aggregation, and on direct vs. indirect evidence
THE VIEWS EXPRESSED ARE THOSE OF [AUTHOR NAME AND/OR ORG] AND DO NOT NECESSARILY REFLECT THE VIEWS OF THE UNITED NATIONS.

Thank you!

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UNECE
Date 23 I 04 I 2024, Geneva