Accounting for multi-metric ITMOs

Luca Lo Re (IEA)

Based on: “GHG or not GHG: Accounting for Diverse Mitigation Contributions in the Post-2020 Climate Framework”, C. Hood, G. Briner, M. Rocha (2014)

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“Reporting progress towards Nationally Determined Contributions: exploring possible common tabular formats for the structured summary”, M. Rocha and J. Ellis (2020)

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26 April 2021
# Diversity of mitigation targets in NDCs

<table>
<thead>
<tr>
<th>Target quantified in absolute GHG terms ex ante (before implementation)</th>
<th>Economy-wide coverage</th>
<th>Less than economy-wide coverage (in terms of sectors or gases)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target quantified in absolute GHG terms ex-post (and estimated ex-ante)</td>
<td><strong>Type D:</strong> Economy-wide goals to reduce emissions relative to a BAU baseline (tCO₂-eq)</td>
<td><strong>Type E:</strong> Sector-specific goals relative to a BAU baseline (tCO₂-eq)</td>
</tr>
<tr>
<td>Target quantified in a non-GHG metric</td>
<td></td>
<td><strong>Type G:</strong> Various non-GHG goals, including for non-fossil or renewable energy, energy efficiency, forest cover, etc.</td>
</tr>
<tr>
<td>Targets that would require other indicators of progress/achievement</td>
<td><strong>Type C:</strong> Peaking emissions in a given year (limited sectors or gases)</td>
<td><strong>Type H:</strong> Implementation of qualitative policies and measures, creation of institutions etc.</td>
</tr>
<tr>
<td>Non quantified goal</td>
<td><strong>Type I:</strong> No measurable goals</td>
<td></td>
</tr>
</tbody>
</table>

*Note: The red rectangle denotes the most common NDC types expressed by Parties*

Hood and Soo (2017)
Accounting for non-GHG contributions

Ex ante description of non-GHG mitigation contribution

- Headline number
- Other specific information, depending on contribution type
- Information needed to estimate expected GHG emissions reductions
- Expected mitigation transfers

Ex post tracking of progress towards non-GHG mitigation contribution

- Track progress in implementation of non-GHG contribution
- Conversion to GHG

Ex post understanding of GHG emissions levels and emissions reductions achieved

- Contribution converted to GHG impact
- GHG inventory
- Actual mitigation transfers (market or non-market)

Hood, Briner, Rocha (2014)
Examples of technical issues

• If ITMOs in non-GHG metrics are allowed:
  • Relation metric ITMOs <-> metric NDC goals?
  • How to apply a corresponding adjustment? ("how can double counting be addressed in the case where a Party does not have a GHG NDC target, rather an NDC expressed in non-GHG metrics or for specific policies and measures?")
  • Methods for conversion between metrics?
  • Where is any conversion carried out?
  • What information to report? (e.g. “any use of pre-2020 units vs use of post-2020 units, any use of units from inside vs outside the NDC scope, and any use of ITMOs measured in different metrics")
THANKS!

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