

*IPCC in-session technical workshop on
findings on emission metrics in the AR6*

Introduction

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- Brief history of common metrics consideration under the Convention and SBSTA
- SBSTA mandate and scope of the workshop

- **AWG-KP 2nd session (2006):**
 - Work programme will include consideration of methodological issues, including global warming potentials of GHGs.
- **AWG-KP 6th session (first part) (2008):**
 - Noted new information on GWPs in the AR4 for GHGs listed in Annex A to the KP;
 - Acknowledged that there are other common metrics (GTPs mentioned in AR4);
 - Invited the IPCC to undertake a technical assessment of alternative common metrics;
 - Noted need for work to be carried out by the SBSTA, drawing on the results of IPCC work on potential implications of applying alternative common metrics.
- **SBSTA 29 (2008):**
 - A Party on behalf of the G 77 and China requested an agenda item on common metrics be included for SBSTA 30 (2009).

- **AWG-KP 8th session (2009):**
 - IPCC reported on the IPCC expert meeting on the science of alternative metrics (Oslo, March 2009), including conclusions and recommendations to UNFCCC and scientific community.
- **SBSTA 30 (2009) :**
 - Considered common metrics under KP methodological issues. Consultations were inconclusive.
- **SBSTA 34 (2011):**
 - Welcomed the report of IPCC expert meeting and its conclusions and recommendations to UNFCCC and the scientific community on research needs and scoping phase of AR5;
 - Secretariat to organize a workshop on common metrics (first half 2012), with focus on:
i) uncertainties; ii) new and refined areas or metrics; iii) policy goals; and iv) the relationship between policy frameworks and metrics for providing information for consideration of common metrics under the Convention at SBSTA 36 (2012).

- **SBSTA 34 (2011) acknowledged:**
 - Alternative common metrics and shortcomings of GWPs are still being assessed by the IPCC in the context of the AR5;
 - GWPs are a well-defined metric based on radiative forcing that continues to be useful in a multigas approach;
 - GWPs were not designed with a particular policy goal in mind and, depending on the specific policy goals, alternative metrics may be preferable;
 - Limitations in the use of GWPs (100-year time horizon) in evaluating the contribution to climate change of GHG emissions with short lifetimes.

- Decision 4/CMP.7 (Durban - 2011):
 - For the 2nd CP of KP, the GWPs (100-year time horizon) used to calculate the CO₂ equivalence of GHG in Annex A to the KP shall be those in the column entitled “Global Warming Potential for Given Time Horizon” in table 2.14 of the Errata to the contribution of WG I to the AR4, taking into account the inherent and complicated uncertainties involved GWP estimates;
 - SBSTA to conduct an assessment (based on IPCC work) of implications of the choice of metrics for the 3rd or subsequent CPs of KP no later than 2015 and to present recommendations on the most appropriate metric and related values to be used by Parties, with a view to adopt a decision.

- The Workshop on common metrics was held on 3–4 April 2012 in Bonn, Germany.
- SBSTA 36 (2012):
 - Welcomed the report on the workshop and acknowledged the relevance of the workshop and its report;
 - Expressed its appreciation to the IPCC WGs I and III for providing information on the work of the IPCC on common metrics in the context of the AR5 and the updated and relevant information on the scientific knowledge on common metrics;
 - Invited the IPCC to present its findings on common metrics from its AR5 at SBSTA 40 in a special event;
 - Acknowledged the relevance of common metrics to climate change policy.
- The SBSTA - IPCC Special Event was held on 7 June 2014 in Bonn, Germany.

- **SBSTA 42 (2015):**
 - Considered common metrics under the Convention and the Kyoto Protocol (4/CMP.7);
 - Welcomed the special event on common metrics (June 2014) and expressed its appreciation to the IPCC WGs I and III for providing information in the context of the AR5.
- **SBSTA 44 (2016):**
 - Considered common metrics separately under the Convention and the KP;
 - Under the KP, agreed to defer the mandated assessment and return to it if the CMP initiates a consideration of a 3rd CP of the KP.
 - Under the Convention, noted that the AWG on the Paris Agreement (APA) will elaborate guidance for accounting for Parties' NDCs, ensuring that accounting is in accordance with common metrics assessed by the IPCC (1/CP.21, paragraph 31), and agreed to defer consideration of common metrics to SBSTA 46 (May 2017).
- **SBSTA 47 (November 2017):**
 - Agreed to resume consideration of common metrics at SBSTA 50 (June 2019) to take into account the deliberations under the APA.

- **Decision 4/CMA.1 (annex II, paragraph 1(a)) (December 2018):**
 - Account for emissions and removals in accordance with common metrics assessed by the IPCC and decision 18/CMA.1 (annex, paragraph 37) on the ETF:
 - Use the 100-year time-horizon GWP values from the AR5 (table 8.A.1), or 100-year time-horizon GWP values from a subsequent IPCC AR as agreed upon by the CMA;
 - May in addition use other metrics (e.g. GTP) to report supplemental information.
- **Decision 5/CMA.3 (paragraph 25) (November 2021):**
 - The 100-year time-horizon GWP values referred to in decision 18/CMA.1 shall be those listed in table 8.A.1 of the AR5, excluding the value for fossil CH₄.
- **SBSTA 56 (June 2022):**
 - Noted the relevance of common metrics to climate change policy;
 - Agreed to continue consideration of common metrics at SBSTA 57 (November 2022).

- Decision – 7/CP.27 (November 2022):
 - Use by all Parties of GWP (100-year time horizon) from IPCC AR5 for reporting under the Convention, excluding the value for fossil CH₄;
 - Until COP adopts a further decision on this matter;
 - Parties shall start using these GWP values no later than 31 December 2024;
 - Consider the need to update common metric values no later than 2028, concurrently with the review of the MPGs;
 - Each Party may in addition use other metrics (e.g. GTP) to report supplemental information on aggregate emissions and removals of GHG;
 - Information on other metrics used and the IPCC AR used as source shall be provided in the corresponding reporting under the Convention.



- SBSTA 57 (November 2022):
 - Noted the terms of decision 18/CMA.1 (annex, paragraph 37) and 5/CMA.3 (paragraph 25) on common metrics.
 - Noted the importance of ensuring consistent and synchronized requirements for reporting on GHG emissions and removals under the Convention and the PA and recommended a decision;
 - Invited the **IPCC to present the findings on emission metrics in AR6** at an in-session technical workshop at **SBSTA 58 (June 2023)**;
 - Requested the secretariat to prepare a technical report as an outcome of the in-session technical workshop;
 - Agreed to continue consideration of common metrics at SBSTA 66 (2027).