

Technical Analysis of BURs

as Part of the International Consultation and Analysis Process

13th Workshop on GHG Inventories in Asia (WGIA13)
Session II: Progress made in BUR preparation and the ICA process

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Outline

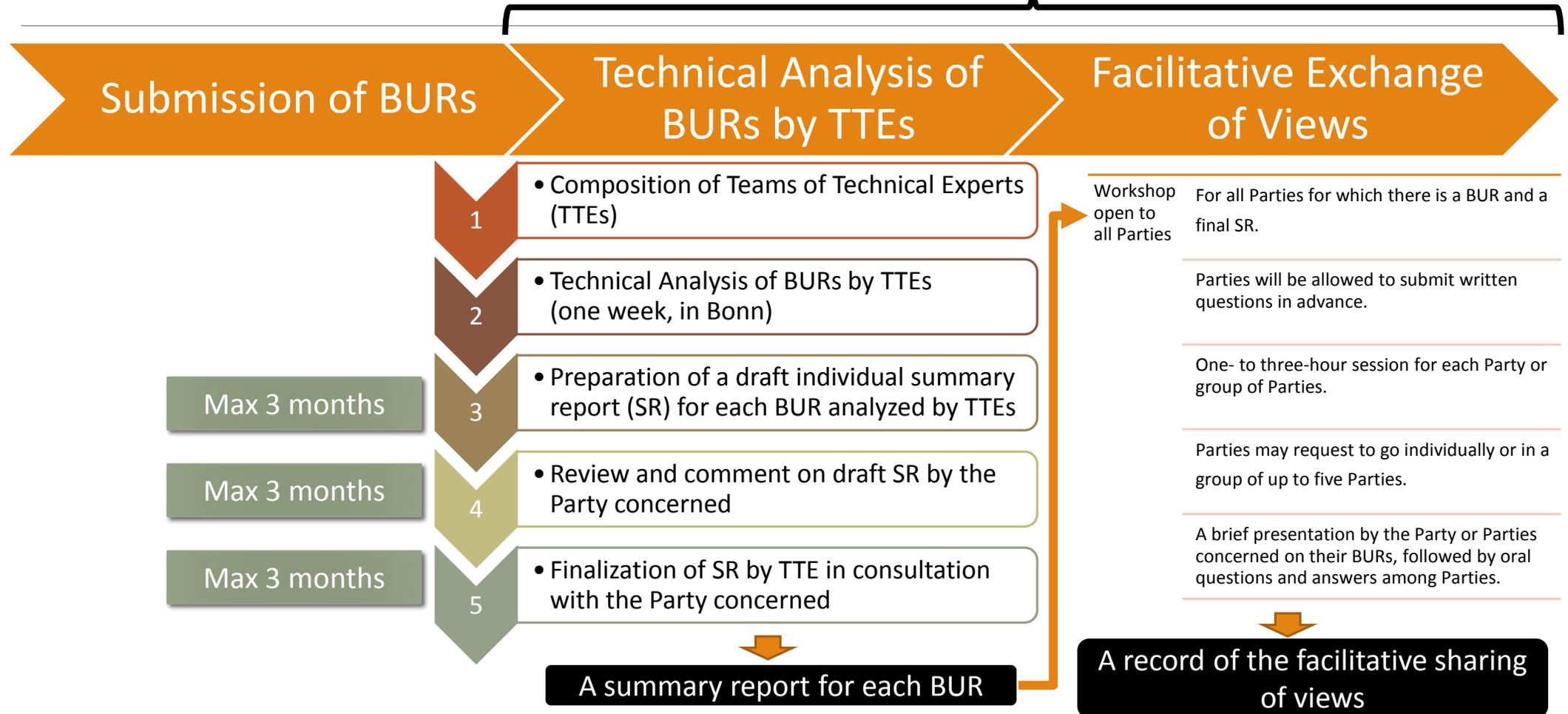
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Objectives of ICA

1. International consultation and analysis (ICA) of biennial update reports under the Subsidiary Body for Implementation (SBI) will be conducted in a manner that is **nonintrusive, non-punitive** and **respectful of national sovereignty**; ICA will aim to **increase the transparency of mitigation actions and their effects**, through analysis by technical experts in consultation with the Party concerned and through a facilitative sharing of views, and will result in a summary report.
2. Discussion on the appropriateness of such domestic policies and measures is **not** part of the process.

Process of ICA

ICA



Technical Analysis

The Team of Technical Experts (TTE) will:

- A) Identify the extent to which the elements of information listed in paragraph 3(a) of the guidelines contained in decision 2/CP.17, annex IV, are included in the BUR of the Party concerned;
- B) Undertake a technical analysis of information contained in the BUR as outlined in the “UNFCCC biennial update reporting guidelines for Parties not included in Annex I to the Convention” contained in annex III to decision 2/CP.17, and any additional technical information that may be provided by the Party concerned;
- C) In consultation with the Party concerned, **identify capacity-building needs** in order to facilitate reporting in accordance with annex III to decision 2/CP.17, and participating in international consultation and analysis in accordance with annex IV to decision 2/CP.17, taking into account Article 4, paragraph 3, of the Convention.

Team of Technical Experts (TTE)

- ◆ A TTE shall be composed of **experts nominated to the UNFCCC roster of experts**, taking into consideration the expertise needed and also the national circumstances of the Party concerned.
- ◆ Only those nominated experts who have **successfully completed the CGE training programme** shall be eligible to serve in the TTE.
- ◆ A TTE shall include, as a high priority and to the extent available, **at least one CGE member** and up to one third of the TTE.
- ◆ The TTE shall be composed with a view to ensuring in the overall composition of the TTEs that the **majority of experts come from non-Annex I Parties**.
- ◆ All effort should be made to ensure **geographical balance** among the experts selected from non-Annex I Parties and Annex I Parties.
- ◆ Each TTE shall be co-led by two experts: one from an Annex I Party and another from a non-Annex I Party.

First Round of Technical Analysis (1)

- ◆ 11 BURs that were submitted between 2 December and 28 February.
 - Andorra, Tunisia, Chile, Peru, The former Yugoslav Republic of Macedonia, Brazil, Namibia, Singapore, Republic of Korea, South Africa, and Viet Nam
- ◆ 4 Teams of Technical Experts analyzed 2 to 3 BURs each.
 - For example, one TTE was composed of 6 members:

Elements of BUR	Experts from:	
National circumstances and institutional arrangements, Domestic measurement reporting and verification, Any other information	Egypt	
National GHG Inventory	China (non-AFOLU)	Japan (AFOLU)
Mitigation actions and their effects, including associated methodologies and assumptions	CGE from Annex I	Thailand
Constraints and gaps, and related financial, technical and capacity needs, including a description of support needed and received	Paraguay	

Co-leads

- One TTE has another AFOLU expert to analyze BURs with technical annex relating to REDD+.
- ◆ Took place in Bonn, from 18 to 22 May (= within 6 months from submission of BURs).

First Round of Technical Analysis (2)

Technical Analysis was conducted through the following steps.

- 1. Before the TA week**, TTE members were provided with various materials, and came up with preliminary questions. Those questions were sent to Parties through the secretariat.
 - BUR Guidelines, ICA Guidelines, NC Guidelines, BURs (and NIR if submitted), the latest NC
- 2. During the TA week**, TTE members came up with additional questions and identified preliminary capacity building needs, taking into account the Parties' answers to preliminary questions (in case they were already submitted). Those were sent to Parties through the secretariat.
- 3. During the TA week**, Video/Tele conferences between TTE and Party representatives were held where opted by the Party.
- 4. During and after the TA week**, TTE members drafted summary reports.

Required Information on Inventory (1)

General reporting requirements for biennial update reports

Decision 2/CP.17, annex III, paragraph 9	Inventory section of BUR should consist of a national inventory report as a summary or as an update of the information contained in chapter III (National greenhouse gas inventories) of the annex to decision 17/CP.8, including table 1 and table 2.
Decision 17/CP.8, annex, paragraph 13	Non-Annex I Parties are encouraged to describe institutional arrangements for preparation and management of national GHG inventories.
Decision 17/CP.8, annex, paragraph 21	Non-Annex I Parties are encouraged to provide information on methodologies used, including a brief explanation of the sources of emission factors and activity data. Country-specific sources and/or sinks which are not part of the IPCC Guidelines, if any, should be explicitly explained. Parties are encouraged to identify areas where data may be further improved in future communications through capacity-building.
Decision 17/CP.8, annex, paragraph 24	Non-Annex I Parties are encouraged to provide information on the level of uncertainty associated with inventory data and their underlying assumptions, and to describe the methodologies used, if any, for estimating these uncertainties.

Required Information on Inventory (2)

General reporting requirements for biennial update reports

Decision 2/CP.17, annex III, paragraph 6	Non-Annex I Parties are encouraged to include, as appropriate and to the extent that capacities permit , tables included in annex 3A.2 to the IPCC GPG- LULUCF and the sectoral report tables annexed to the Revised 1996 IPCC Guidelines.
Decision 17/CP.8, annex, paragraph 22	Each non-Annex I Party is encouraged to use tables 1 and 2 of th NAI-NC guidelines (Annex to Decision 17/CP.8) in reporting its national GHG inventory.
Decision 17/CP.8, annex, paragraph 23	Non-Annex I Parties are encouraged to include in their national communications the inventory sectoral tables and worksheets of the IPCC, in both electronic and hard copy format.
Decision 2/CP.17, annex III, paragraph 10	Additional or supporting information, including sector-specific information, may be supplied in a technical annex.

Required Information on Inventory (3)

Requirements regarding inventory years

Decision 2/CP.17, paragraph 41 (g)	The first BUR shall cover, at a minimum, the inventory for the calendar year no more than four years prior to the date of the submission, or more recent years if information is available.
Decision 2/CP.17, annex III, paragraph 7	Each non-Annex I Party is encouraged to provide a consistent time series back to the years reported in the previous national communications.
Decision 2/CP.17, annex III, paragraph 8	Non-Annex I Parties which have previously reported on their national GHG inventories contained in their national communications are encouraged to submit summary information tables of inventories for previous submission years (e.g. for 1994 and 2000).

Required Information on Inventory (4)

Requirements regarding gases and metrics

Decision 17/CP.8, annex, Paragraph 14	Each non-Annex I Party shall, as appropriate and to the extent possible , provide estimates of anthropogenic emissions of CO ₂ , CH ₄ and N ₂ O on a gas-by-gas basis and in units of mass.
Decision 17/CP.8, annex, paragraph 20	Non-Annex I Parties wishing to report on aggregated GHG emissions and removals expressed in CO ₂ equivalents should use the IPCC SAR GWP(100-year time horizon).
Decision 17/CP.8, annex, paragraph 15	Non-Annex I Parties are encouraged, as appropriate, to provide information on anthropogenic emissions HFCs, PFCs and SF ₆ .
Decision 17/CP.8, annex, paragraph 16	Non-Annex I Parties are encouraged, as appropriate, to report on anthropogenic emission of other GHGs such as CO, NO _x and NMVOCs.
Decision 17/CP.8, annex, paragraph 17	Other gases not controlled by the Montreal Protocol, such as SO _x , included in the IPCC Guidelines, may be included at the discretion of the Parties.

Required Information on Inventory (5)

Requirements regarding methodologies

Decision 2/CP.17, annex III, paragraph 3	Non-Annex I Parties should submit updates of national GHG inventories according to paragraphs 8–24 in the NAI-NC Guidelines contained in the annex to decision 17/CP.8.
Decision 2/CP.17, annex III, paragraph 4	Non-Annex I Parties should use the methodologies established by the latest UNFCCC NAI-NC Guidelines approved by the COP or those determined by any future decision of the COP on this matter.
Decision 2/CP.17, annex III, paragraph 5	The updates of the sections on the national GHG inventories should contain updated data on activity levels based on the best information available using the Revised 1996 IPCC Guidelines, GPG2000, and GPG-LULUCF.
Decision 17/CP.8, annex, paragraph 9	In accordance with the IPCC Guidelines, Parties may use different methods (tiers), giving priority to those methods which are believed to produce the most accurate estimates, depending on national circumstances and the availability of data.

Required Information on Inventory (6)

Requirements regarding methodologies

Decision 17/CP.8,
annex paragraph 10

Non-Annex I Parties **are encouraged to** use their country-specific and regional emission factors and activity data for key sources or, where these do not exist, to propose plans to develop them in a scientifically sound and consistent manner, provided that they are more accurate than the default data and documented transparently. Non-Annex I Parties **are encouraged to** formulate cost-effective national or regional programmes aiming at the development or improvement of country-specific or regional emissions factors and activity data.

Decision 17/CP.8,
annex Paragraph 11

Non-Annex I Parties **are encouraged to** apply the IPCC GPG2000, taking into account the need to improve transparency, consistency, comparability, completeness and accuracy in inventories.

Decision 17/CP.8,
annex, paragraph 12

Non-Annex I Parties **are also encouraged, to the extent possible, to** undertake any key source analysis to assist in developing inventories that better reflect their national circumstances.

Required Information on Inventory (7)

Sector specific requirements

Decision 17/CP.8,
annex, paragraph 19

Non-Annex I Parties **should, to the extent possible, and if disaggregated data are available**, report emissions from international aviation and marine bunker fuels separately in their inventories. Emission estimates from these sources should not be included in the national totals.

Decision 17/CP.8,
annex paragraph 18

Non-Annex I Parties **are encouraged, to the extent possible, and if disaggregated data are available, to** estimate and report CO₂ fuel combustion emissions using both the sectoral and the reference approaches, and to explain any large differences between the two approaches.

Advice: If 2006 IPCC Guidelines are used, you may not be able to strictly follow some of the requirements mentioned in these slides that are relating to Revised 1996 IPCC Guidelines or GPG2000/GPG-LULUCF. In that case, provide similar pieces of information or tables that are comparable to the ones written in such requirements.

Advice from a TE's Viewpoint (1)

➤ Make clear what have been updated and what will be updated in the next submission. It's a Biennial Update Report!

- ✓ What have been improved as compared to previous NC?
- ✓ What need to be improved?
 - This will not be criticized!!
 - Clarification of this is important for identification of capacity building needs and for continuous improvement.

Advice from a TE's Viewpoint (2)

- Provide basic information transparently in BUR (preferably in NIR).
 - ✓ Inventory which is not transparent will result in superficial TA which is not useful to the Party itself.
 - Reporting only emission estimates without EFs and AD...
 - Reporting emission estimates only in CO2 equivalents without information on GWP used...
- What is “basic information” which will ensure and enhance transparency...? The following will benefit you.
 - ✓ NIRs of Annex I Parties
 - ✓ Mutual Learning
 - ✓ Hearing advice from Annex I Inventory reviewers

Advice from a TE's Viewpoint (3)

- Be prepared for questions and answers before and during the TA.
 - Ensure relevant players (data providers, etc) are available so as to answer questions from TTE in a timely manner.
 - Take advantage of tele-conference with TTE during the TA week.
 - ✓ Good communication with TTE is crucial to identification of capacity building needs, which will enable the Party to continuously and efficiently improve its national GHG inventory in the future.

Thank you!!

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