

Review Comments by Governments on Second Order Draft of 2019 Refinement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories (General comments)

Comment ID	Volume	Chapter	From line	To line	Comment	Country	Response	Authors note
1784	General				<p>The Chinese government appreciates and thanks the Bureau members, Lead Authors and the TSU of the Intergovernmental Panel on Climate Change (IPCC) for the Methodology Report of 2019 Refinement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories for their hard efforts to prepare this report. In order to make the IPCC assessment report more scientific, comprehensive and balanced, and taking into full account the rationality and operability of the reported findings when they are applied, the national government has put forward the following comments in the hope that they can be adopted in the revision process.</p> <ol style="list-style-type: none"> 1. Erroneous statements of China's sovereignty. There are common sense errors concerning Hong Kong and Macao, China, in the report (Vol. 5, Chapter 2, page 188). Correction must be made to all these errors, including but not limited to those mentioned in proposed amendments in the review comments, and it is hoped that such errors will no longer occur in future reports. 2. Some of the formulas in the report are not rigorous or normative. As it is a widely used methodology report, accurate formulas are especially important. Considering the problems of ambiguity, inconsistent citation and dimensional errors in some of the formulas in the report, it is suggested to correct them altogether. 3. The readability of the report to be increased. There are many problems in the report in terms of linguistic logic, consistency and text editing, especially errors in serial number when mutual or cross quotations occur between unrevised and revised parts. At the same time, for the newly added chapters such as texts on GHG concentration measurement and inversion models, it is suggested to give them the science-based definitions, and indicate the formulas involved and their sources, as well as their application range and uncertainty. For example, 419-420, 540-546 and 607 in Ch-6, Vol1. It is suggest that the overall revision be made to increase the readability of the report. 4. With regard to newly added or revised texts, it is suggested to cite more literature from developing countries to improve the integrity and practicality of the guidelines. 	China	Accepted with modification	<p>Regarding the point #1, Tables 2A.1 and 2A.2 in Chapter 2 of Vol.5 was amended by stating "Hong Kong Special Administrative Region, China" and "Macao Special Administrative Region, China". The same was applied in other chapters where relevant.</p> <p>Regarding the points #2, #3 and #4, efforts were made to address those issues in the Final Draft. Some of the parts specified in this comment was addressed by making some changes in the Final Draft.</p>
7434	General	0	0	0	We would like to express our greatest gratitude for the hard work of the author team in providing this excellent second order draft of the Refinement of the 2006 IPCC Guidelines for National Greenhouse Gas Inventories.	Germany	Noted	
8338	General				The method for calculating uncertainty and uncertainty limits in the instructions is not specified.	Iran	Accepted	Text has been revised and concrete examples for approach 1 and approach 2 provided

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8340	General				In the calculation of uncertainty, in addition to N2O,CH4,CO2 the uncertainty of O, Nox, NMVOC gases is calculated through the software, while the amount of emissions of these gases is not calculated.	Iran	Noted	This comment is about the IPCC Inventory Software. It is out of scope of the 2019 Refinement.
8342	General				The software does not have the ability to convert the unit, which increases the error rate.	Iran	Noted	This comment is about the IPCC Inventory Software. It is out of scope of the 2019 Refinement.
8344	General				There is no access to referrals for emission factors.	Iran	Noted	TSU will consider how to better help inventory compilers, but no specific action can be taken at this stage.
6588	General	5	175	175	Presume 'deigned' is a typo and should be corrected to 'designed' (In the overview)	United Kingdom (of Great Britain and Northern Ireland)	Accepted	
6590	General	5	279	279	Spreadsheet of waste model' doesn't read well - should be changed to 'The waste model spreadsheet' (in the overview)	United Kingdom (of Great Britain and Northern Ireland)	Accepted with modification	Name should be consistent with the 2006 Guidelines, namely "IPCC Waste Model". This name was used, instead of the suggested name, to replace "Spreadsheet of waste model" in the Final Draft.
7126	General	General			We note that there is no refinement of Vol 2 Ch5, Carbon Dioxide Transport, Injection and Geological Storage. We would still like to highlight that there might be a need to develop guidance for how countris should report man made BECCS sinks which effectively are negative emissions.	Norway	Noted	It was decided by the 44th Session of the IPCC that Chapter 5 in Vol.2 is out of scope of this refinement - as indicated in the approved outline of this report. In addition, the BECCs situation is adequately addressed by the existing 2006 IPCC Guidelines. In fact, Volume 2 Chapter 5 contains text identifying the possibility of negative emissions resulting from capture and sequestration of biogenic CO2 - see page 5.8 in Chapter 5, Vol.2 of the 2006 IPCC Guidelines. Also, the request by the reviewer is already addressed in the 2006 IPCC guidelines in chapter 2 of the energy volume (Vol.2) and in the IPPU volume (Vol.3), furthermore the subtraction of the amount of CO2 captured (from fossil and/or biomass origin) has been considered alerady in the reporting tables (Vol. 1) of the 2006 IPCC Guidelines.