

Introduction of MRV Guidebooks:

One Hundred Questions & Answers about MRV in Developing Countries (IGES version)

&

MRV Guidebook for Policy Makers (IGES-GIZ collaboration version)

Climate and Energy Area, Institute for Global Environment Strategies (IGES)

Outline of this presentation

- 1. Introduction: Japan's supporting activities relevant to Measurement, Reporting and Verification (MRV)
- 2. Overview of MRV Guidebook Project
- 3. Explanation of the MRV Guidebooks
 - a. Structure
 - b. Characteristics
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- 4. Schedule in 2014 and beyond for improving the MRV Guidebook
- Questions for further utilization and improvement of the MRV Guidebook

Introduction: Japan's supporting activities relevant to Measurement, Reporting and Verification (MRV)

Ministry of the Environment of Japan:

- Feasibility Studies on the Joint Crediting Mechanism,
- ◆ NAMA Guidebook Project (Supported by IGES and OECC),
- ◆ MRV Guidebook Project (supported by IGES).

Japan International Cooperation Agency:

- Project for Capacity Development of National GHG Inventory in Vietnam (2010-2014),
- ◆ Project of Capacity Development for Climate Change Strategies in Indonesia (2010-2015).

Overview of MRV Guidebook Project

Objectives:

- ◆ To summarize various existing MRV schemes for easily overviewing the MRV schemes,
- ◆ To distribute the MRV Guidebook for enhancing understanding of MRV issues.

Target readers:

◆ Practitioners of MRV and policy makers in developing countries, donor agencies, research organisations, etc.

Authors:

Experts on GHG inventory, National Communications, CDM and other MRV schemes.

Overview of MRV Guidebook Project

Uniqueness and Added-Value

- Explaining MRV issues in plain language,
- Covering various technical information in a coherent format,
- Including experiences and actual cases in the Asian countries,
- Opening access for participation in the preparation process of the MRV Guidebook.

Structure of MRV Guidebook Project

Composition of MRV Guidebook (IGES Version)

100 questions and answers about MRV in Developing Countries

Scale

- Non-Annex I only
- National
- Subnational/City
- Project

Theme

- Basic
- Technical
- Institutional
- Support

Level of understanding

- Beginners
- Experts
- Etc.

Structure of MRV Guidebook Project

Composition of MRV Guidebook (GIZ-IGES Collaboration Version)

MRV Guidebook for Policy Maker







Scale

- Annex I and Non-Annex I
- National level only

Theme

- Basic
- Technical
- Institutional
- Support

Level of understanding

- Beginners
- Experts
- Etc.

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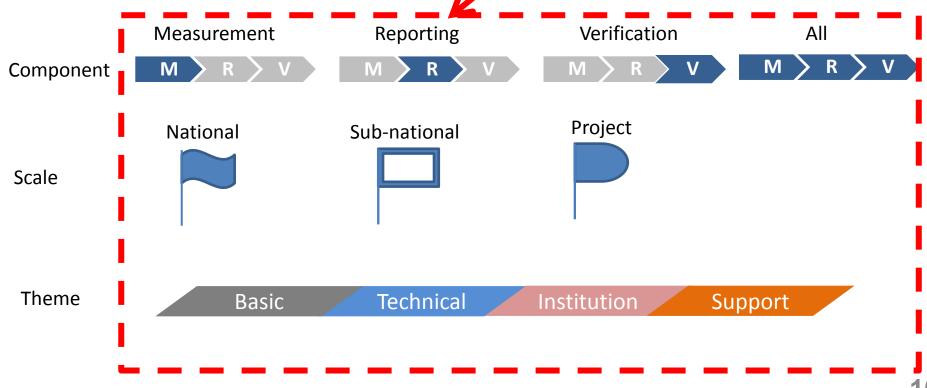
4. Questions and Answers

IGES Version

Guide to One Hundred Que

- Visualizing MRV at various levels
- Aiming at encyclopedia of MRV

The subsequent sections present sample questions and answers on various scales. The following icons can guide: which component of M, R, and V it refers to; which scale it is; and which theme it is related with.

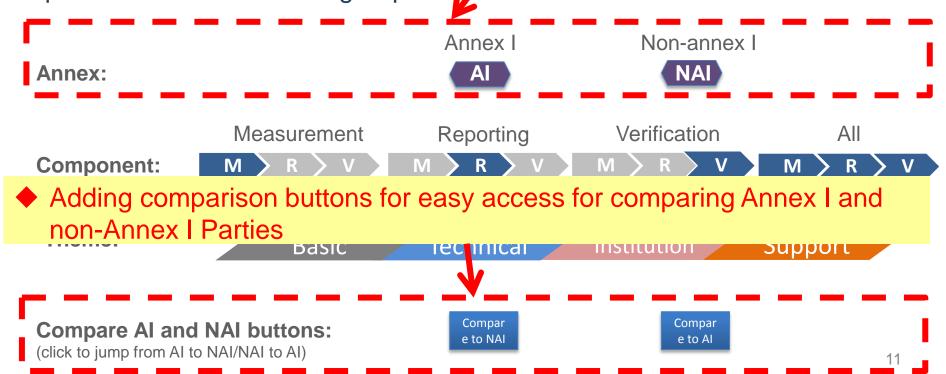


4. Questions and Answers

IGES-GIZ Collaboration Version

Guide to Q&A

The following sections present questions and answers on MRV schemes. The icons below serve as a guide with regards to which group of countries the slide applies to which component part of MRV it refers to and the theme that it cov Indicating Annex I or non-Annex I for comparison en clicked, will automatically link the reader to the slide covering the same question but for the other group of countries.



National Greenhouse Gas Inventories (non-

| Aliananase IIII | M | R | V |
|------------------------------------|---|--|---|
| Why is it necessary? | o estimate and emissions and removal at the national level. | To report estimates on GHG emissions and removals as a part of NCs and BURs. | no increase the transparency of mitigation actions and their effects. |
| What is it about? | I lational GHG emission/removal estimation database prepared based on UNFCCC Reporting Guidelines and IPCC Guidelines. | Chapters on the national GHG inventories in the NCs and BURs. | ICA |
| How to do it? | Determined by each non-Annex I cour reparation of national communication to the Convention (Decision 17/CP.8) | try based on Guidelines for the ns from Parties not included in Annex | To be determined based on Annex IV of UNFCCC biennial update reporting guidelines for Parties not |
| Who will do it? | Depends on each non-Annex I cou articular decision for the institut | Make it easy to d | l <mark>istinguish</mark> 17). |
| Any standard or guidelines for it? | Guidelines for the preparation of national communications irom Parties not included in Annex I to the Convention (Decision 17/CP.8) UNFCCC biennial update reporting guidelines for Partial not included in Annex I to the Convention (Decision 2/CP.17 Revised IPCC Guidelines GPG(2000) GPG-LULUCF 2006 IPCC Guidelines | M-R-V issues, Organize informat the same format comparison amon MRV tools. • 2006 IPCC Guidelines | for easy porting |

Compare/Contrast AI GHG Inventories with NAI GHG Inventories

| | Inventories by Annex I Inventories by Non-annex I |
|----------------------------|--|
| Why necessary? | To estimate and report on GHG emissions vs. To estimate and report on GHG emissions and removals. To enhance transparency for better national policy making. To estimate and report on GHG emissions and removals. To enhance transparency for better national policy making. |
| Contents | National GHG emission/removal estimation vs. National GHG emission/removal estimation based on UNFCCC Reporting Guidelines and IPCC Guidelines IF CC Guidelines National GHG emission/removal estimation prepared based on UNFCCC Reporting Guidelines and IPCC Guidelines |
| Frequency | Annually vs. Every 4 years as part of NCs and 2 years as part of BURs |
| Guidelines for preparation | Guidelines for the preparation of national communications by Parties included in communications from Parties not included in communications from Parties not included in Annex to the Convention |
| Who prepares? | Depends on each Annex I country circumstances Make it easy to compare differences between Annex I |
| Inventory review process | A mual reviews of individual invenerable and non-Annex I Parties, each Annex I Party Organize information with |
| Guidelines for review | Guidelines for the technical review greenhouse gas inventories from Fincluded in AI of the Convention a revisions the same format for easy comparison among various |
| Who reviews? | review |

Sample of Question & Answer (IGES-GIZ Collaboration Version)





Basic

Technical

Institution

Support

Q68: What is a national GHG inventory?



A: A national GHG inventory is an inventory which provides information on national-level emissions and removals of GHGs, which is one of the fundamental pieces of information for a country to develop and monitor policies and measures on mitigation of climate change.

In detail

- ✓ Non-Annex I Parties shall submit their national GHG inventories to the COP under the UNFCCC as a part of their NCs and BURs.
- ✓ Basic information on GHG emissions and removals provided by the national GHG inventory are:
 - National total GHG emissions and removals due to anthropogenic causes.
- ✓ In addition, non-Annex I Parties are encouraged to submit the following information:
 - Methodologies for how to estimate the emissions and removals,
 - Procedures and arrangements undertaken to collect and archive data for the preparation of national GHG inventories.

Poforonco:

UNFCCC. (2002)

^{2.} UNFCCC. (2011)

Schedule in 2014 and beyond

October – Early November:

Open to the public for review

(Your comments and feedbacks are welcome!)

2015~:

Further improvement and update of information

December:

Revised version for COP20

August - September:

- Revise the previous version and add information on MRV,
- Make translation versions in Indonesian and Vietnamese.

Questions for further utilization and improvement of the MRV Guidebook

- What kind of utilization of this guidebook is possible?
 - To utilize it a textbook on MRV in the regional training course on MRV?
 - To use it as a reference for policy maker to understand MRV issues?
- In order to enhance the utilization of the guidebook, what kind of contents should be added in it?



Thank you!

You can download the Guidebooks from the following websites:

 One Hundred Questions & Answers about MRV in Developing Countries (IGES version)

http://www.iges.or.jp/en/climate-energy/mm/201309mrv.html

MRV Guidebook for Policy Makers (IGES-GIZ collaboration version)

http://www.mitigationpartnership.net/mrv-guidebook-policy-makers