

Session 1: Country's Experience of Inventory Preparation/Development Introductory Presentation

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Objectives of Session 1

- To share experiences in national GHG inventory preparation/development to find out practical solutions to the problems each country is facing.
- To this end, we will hear in this session:
 - Elaboration on estimation methods used in the latest GHG inventories
 - Experience of key category analysis
 - Successful experiences in overcoming problems



Methods in the Latest Inventories

- **Malaysia** has already completed 3 sectors of GHG inventory for SNC.
 - Energy
 - Industrial Processes
 - LULUCF

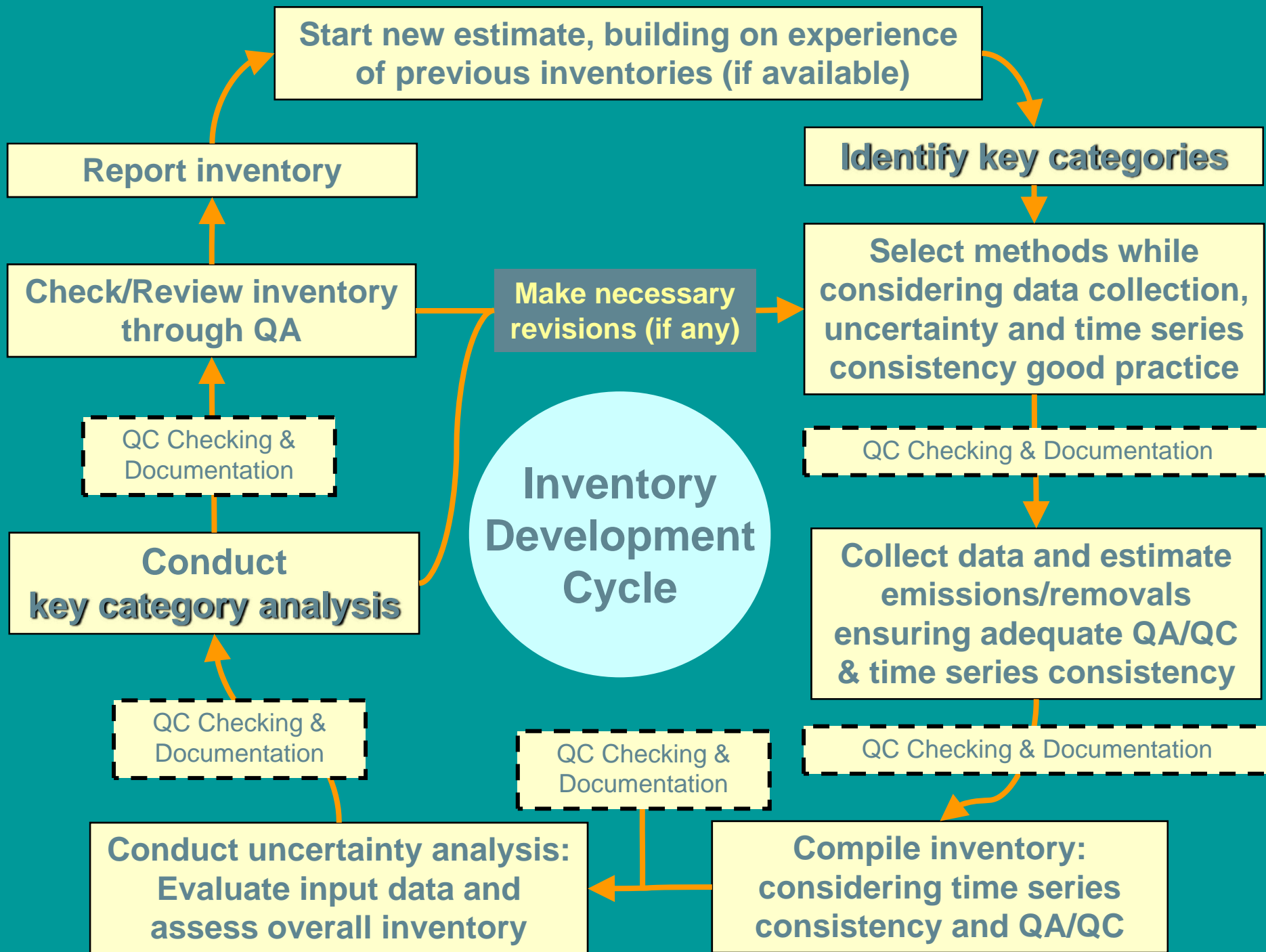
Will be presented.
- Also, recent developments in some sectors in other countries will be introduced: e.g.,
 - LULUCF, Waste sectors of Korea's inventory
 - Waste sector of China's inventory



Key Category Analysis

- Guidance provided in IPCC GPGs
- Helpful in identifying source/sink categories that should be prioritised in the inventory development process
- Non-Annex I Parties are encouraged, to the extent possible, to undertake key source analysis
 - to assist in developing inventories that better reflect their national circumstances
 - to improve inventories in the most cost-effective manner





Key Category Analysis

- According to the preliminary survey:
 - 5 countries have conducted KCA based on GHG inventory for INC.
 - Cambodia, China, Mongolia, Philippines, Viet Nam
 - Most other countries are planning to conduct it during the preparation of SNC/TNC.
 - Difficulties that countries encountered are:
 - Lack of previous inventory data (6 countries)
 - Lack of capacity of the inventory team (4 countries)
- We will hear Mongolia's experience.



Successful Experience (1)

Problems

- Lack of activity data/country-specific EFs is a major and common problem for many countries in Asia.
- According to the preliminary survey, lacked data are, for example:
 - Energy
 - Detailed data for Transport – Aviation, Road, Rail, Navigation
 - Fuel consumption under Manufacturing Industries
 - Detailed data on various types of fuel used in the informal un-organized and small scale industry sectors
 - Biomass consumption data
 - Industrial Processes
 - Quantity of Clinker or Cement Produced
 - Food Production Process (Sugar cane, oil crops, Cereals etc.)
 - Non-energy use of fuel in chemical industries



Successful Experience (2)

Problems

- Agriculture
 - (Number of) Livestock
 - Water management for paddy
 - Soil carbon
 - Area of Burned Grassland
 - Activity data for agricultural soils
- LULUCF
 - Forest land area data
 - Biomass consumption data
 - Commercial harvest according to ecosystem type
 - Status of abandoned managed land
 - Land use data of converted forests
 - Historic soil data
 - Activity data for the time series



Successful Experience (3)

Problems

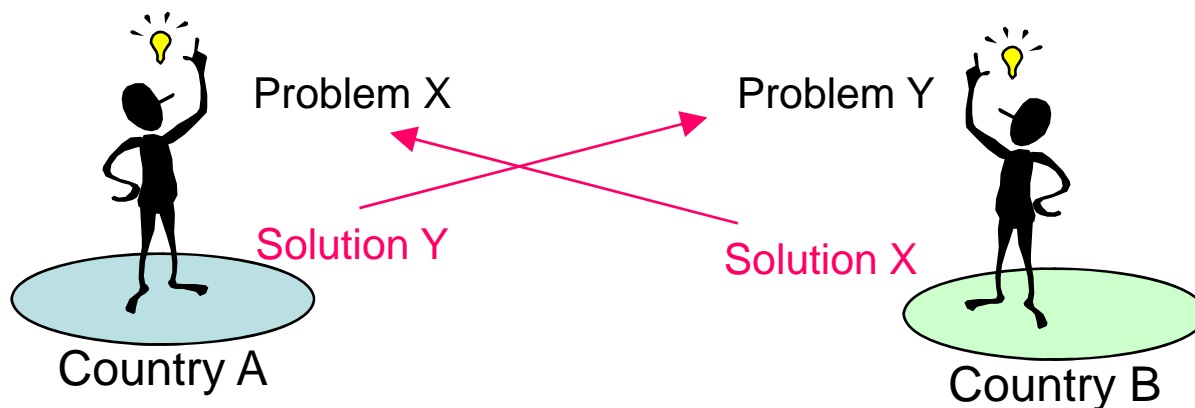
- Waste
 - Details of annual municipal solid waste (MSW) generation
 - Quantity dumped and dumpsite characteristics of MSW
 - Solid waste management
 - Waste Composition
 - Industrial COD Loading etc.
 - MCF
- However, these individual problems are not common to all countries.
- A certain problem with particular source/gas for Country A is not necessarily a problem for Country B.



Successful Experience (4)

What's the way forward?

- It will be useful for a country to learn how the other countries have addressed that problem.



- Let's share “success stories” on practical solutions to specific problems!!



Successful Experience (5)

We will hear successful experiences on:

- Energy: from Malaysia
- Industrial Processes: from Malaysia and the Philippines
- Agriculture (rice cultivation): from India
- LULUCF: from Malaysia, Korea and Indonesia
- Waste: from Thailand (in Session 2)

We will also hear:

- Advice from the point of view of consultants who assist developing countries in NC preparation



Successful Experience (6)

Please note:

- There can be two types of solutions.
 - Long-term solutions (e.g., conducting studies, making surveys, developing national statistics)
 - Take long time, Require solid institutional arrangements
 - Short-term (Ad hoc) solutions
 - May lead to estimates that are not as high quality as long-term solutions.
 - However, the great advantage is that such solutions could be immediately used for SNC/TNC.
- Some of successful experiences shared in this session may be considered short-term solutions.
- Long-term solutions will be further considered in Session 2 (tomorrow).



To summarize, we will hear in this session:

- Elaboration on estimation methods used in the latest GHG inventories
- Experience of key category analysis
- Successful experiences in overcoming problems

Thank you.

Now, let's start Session 1!!

