MRV of National GHG Inventory

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MRV in General Context

- Measurement, Reporting,
 Verification
- In general context:
 - the process of checking if product, service, or system meets specifications/fulfills its intended purpose
 - Used to provide assurance to stakeholders that projects and

GHG MRV in Other Contexts

- National GHG Inventories
- Emission Trading Programmes
- - project-scale
 - Programmes of Activities (PoAs)
- REDD+

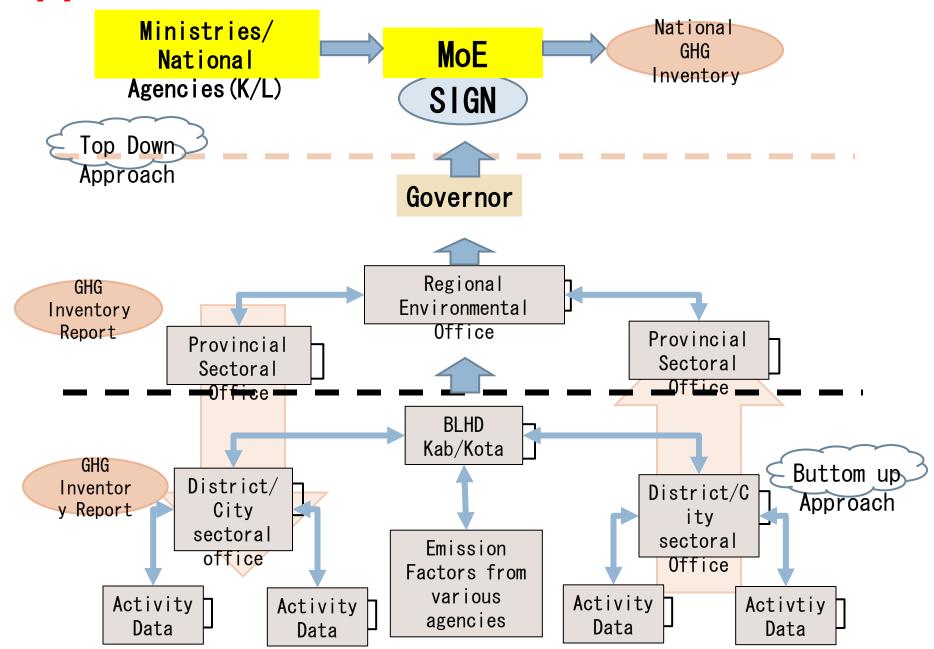
MRV in Inventory Contexts

- National GHG Inventories
 - Transparancy
 - Accuracy
 - Completeness
 - Consistency
 - Comparability

MRV of GHG Inventory Implementation

- (M)easurable
 - National GHG inventories are basically not meant to be measured, but estimated, with some exceptions
 - Key question: Are the emissions estimated accurately → Is the GHG inventory in compliance with relevant IPCC Guidelines?
- (R)eportable
 - Are the emissions/removals reported in a transparent manner?
 - Key question: Is the report comparable with other countries?
- □ (**V**)erifiable
 - IPCC Guidelines provide guidance on verification, or QA/QC.
 - Key question: has the country implemented the appropriate QA/QC measures?

Approaches



Approaches

- Two approaches:
 - Top-down approach: using national agregare data with involvement of national ministries/institutions
 - Bottom-up approach: using sub-national agregare data with involvement of local government units.
- The challenge in having two approaches is two narrow the gap between the two estimates of total GHG emissions
 - Avoiding double counting (trans-boundary problem)
 - Consistency in methodology (generating)

THANK YOU