

Climate MRV for Africa – Phase 2 Development of National GHG Inventory: OVERVIEW – 2006 IPCC Guidelines



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Project of the European Commission DG Climate Action

EuropeAid/136245/DH/SER/MULTI

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National GHG Inventory – Why?

- Climate change is caused by higher levels of GHGs

Need for global data,
country-by-country

- Obligations and Benefits:

UNFCCC reporting requirements

Kyoto Protocol CDM credits

REDD+ finance

If you can't
MEASURE it
you can't **MANAGE** it.



National GHG Inventory – MRV

- MRV focus at COP13, 2007 – Bali Action Plan: mitigation actions to be measured and reported



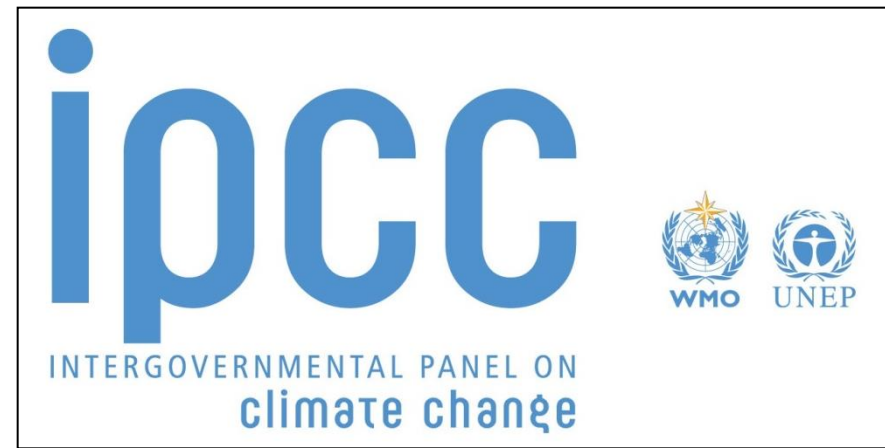
National GHG Inventory – MRV

- **Measurement:** direct or estimated calculation of GHGs using strict protocols and guidelines
- **Reporting:** collating comprehensive reports, accessible to all interested parties
- **Verification:** review the validity and quality of GHG data reported



National GHG Inventory – IPCC

- Established in 1988 by WMO and UNEP
- 195 member states
- Hundreds of scientists and experts



- TFI (Task Force on National GHG Inventories) – National GHG Inventories Programme (NGGIP)

National GHG Inventory – IPCC Guidelines

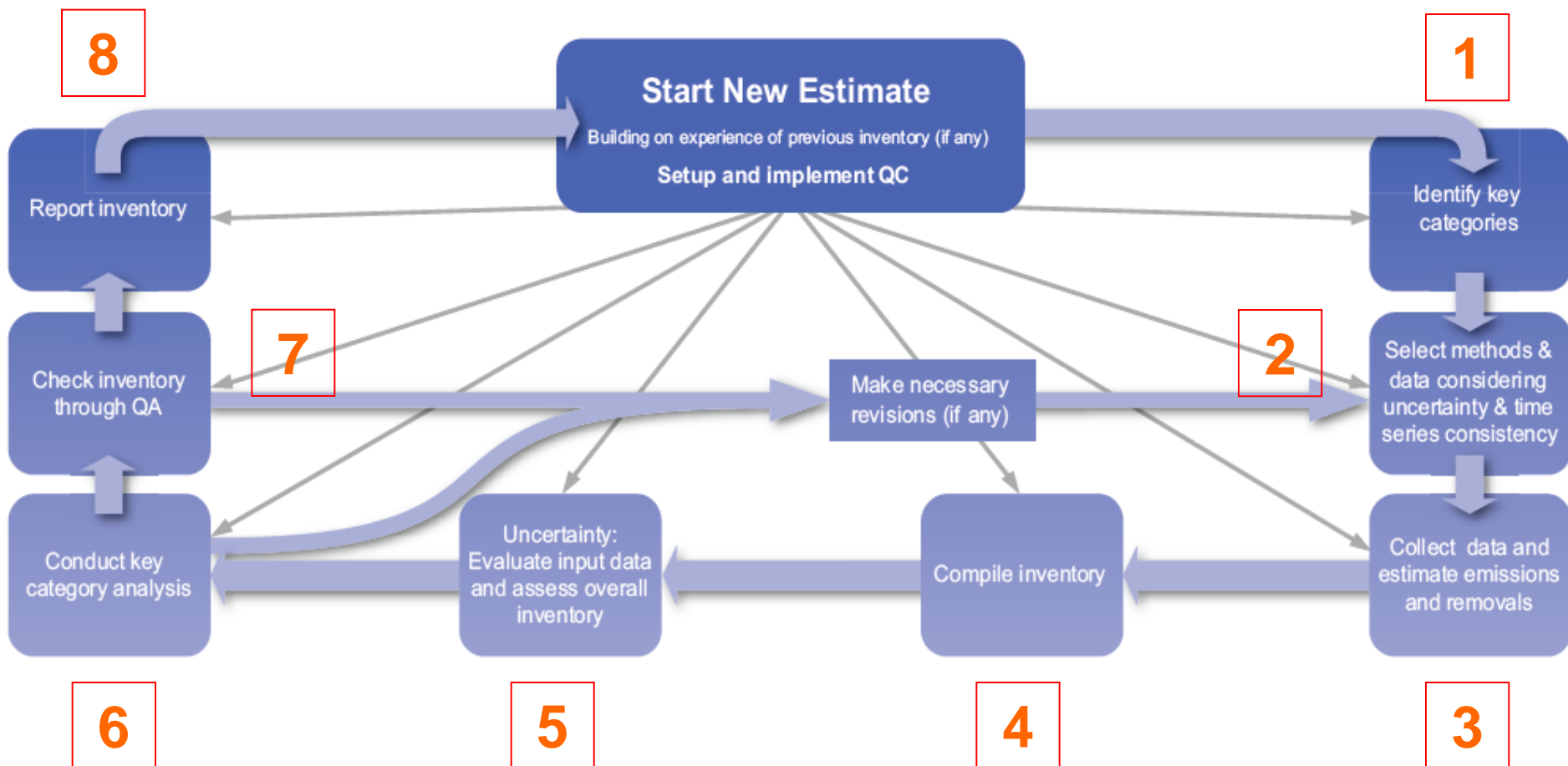
Continuing methodological development:

- 1994 – first guidelines for national GHG inventories
- 1996 – **Revised 1996 IPCC Guidelines**
- 2000 – GPG and Uncertainty Management
- 2003 – GPG for LULUCF
- 2006 – **2006 IPCC Guidelines**

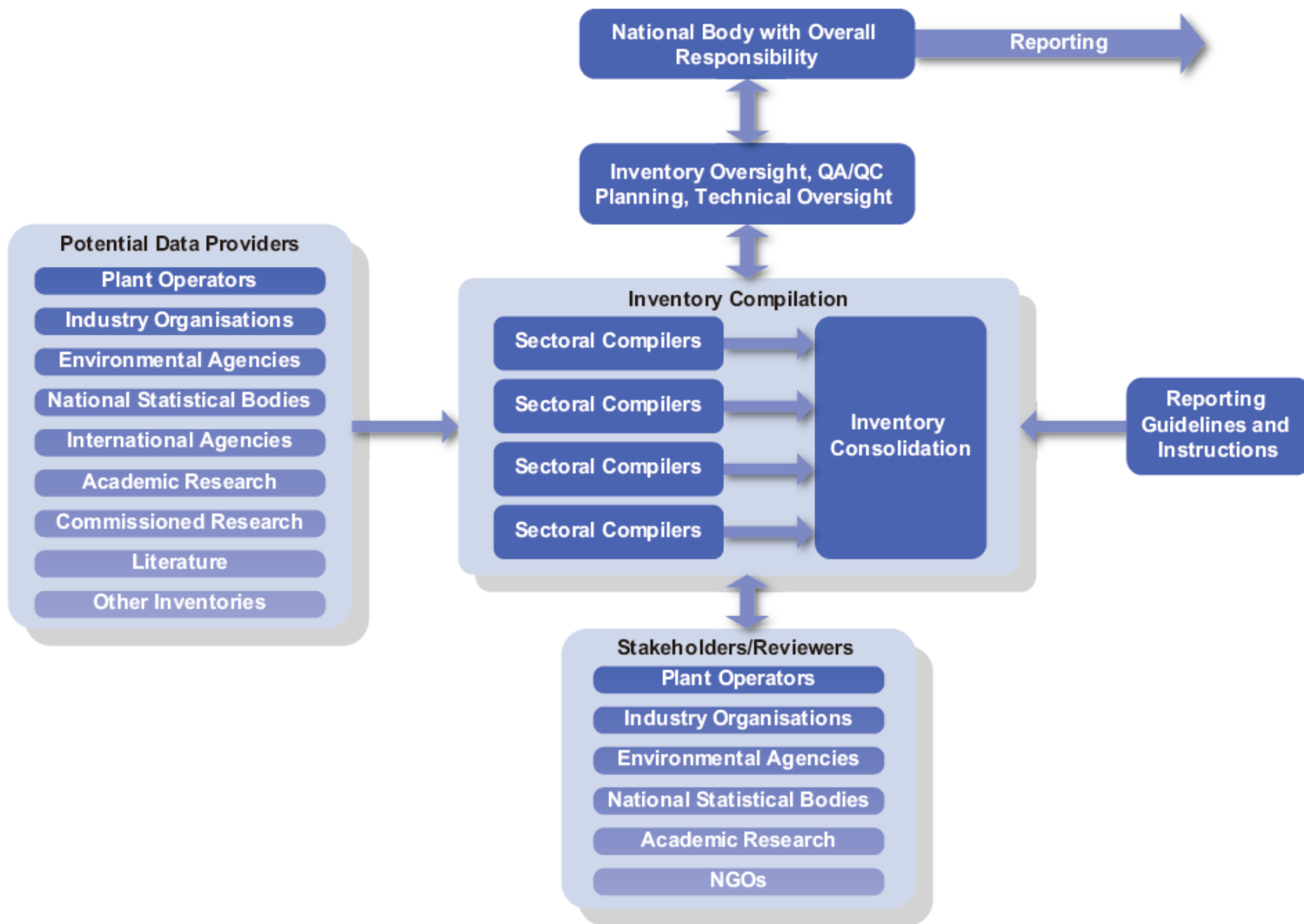


National GHG Inventory – Cycle

➤ Inventory production cycle – 8 steps



National GHG Inventory – Actors involved



National GHG Inventory – Principles

➤ 5 leading principles:

Transparency
Completeness
Consistency
Comparability
Accuracy

➤ Basic equation:

$$\text{Emissions} = \text{AD} * \text{EF}$$

(activity data * emissions factor)



Thank you!

Amr Osama Abdel-Aziz, Assen Gasharov, Mike Bess and Laura Lahti