

Greenhouse Gas Inventories in Asia (GHIA16)

Preparation of Indian GHG Inventory



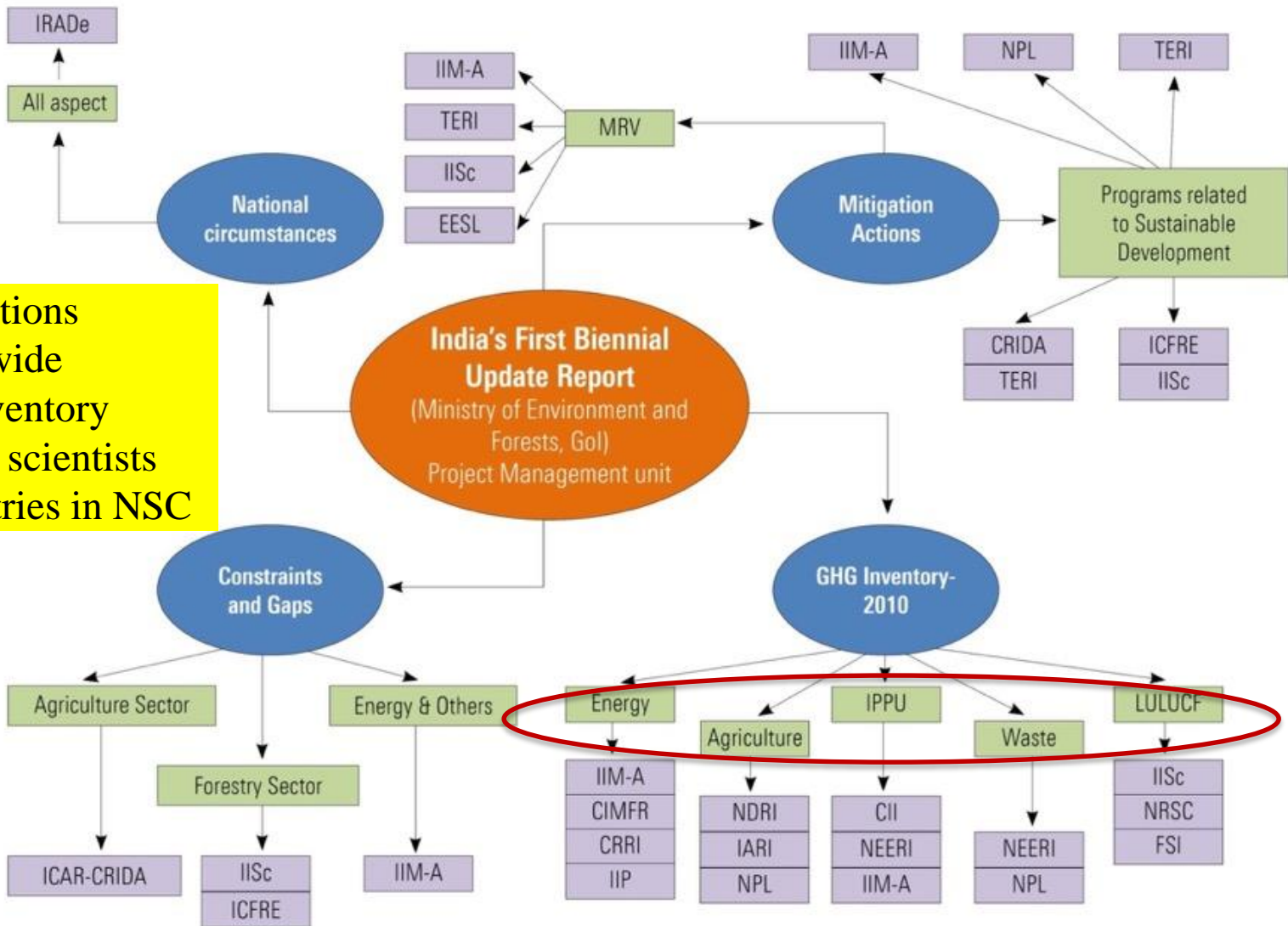
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Why Prepare National GHG Inventory?

- UNFCCC Reporting requirements for
 - National Communications (every 6th year)
 - Biennial Update Report (every 2nd year)
- Time series reporting requires annual inventory estimation
- Monitoring Nationally Determined Contributions (NDC) as agreed in Paris Climate Change Agreement
- Transparency framework (mitigation dimension, FTC)

Institutional Arrangements for BUR



- 17 Institutions country-wide
- 12 for inventory
- Over 100 scientists
- 21 Ministries in NSC

Indian GHG Inventory Highlights

- 2001-2010 time series submitted in BUR-1, 2011-2014 ready now for BUR-2, Plans under implementation for TNC already
- 2136.8 Million ton CO₂e (without LULUCF) in 2010, Energy 71%, CO₂ 74%
- 1884.3 Mt (with LULUCF), forestry net sink 252.5 Mt in 2010 and increasing
- Around 52% estimated using higher tiers in 2010, ~64% in 2014
- Plans exist for *Riding the Tier ladder* using *Key Category Analysis* and *Uncertainty assessment*, resources being allocated accordingly

Indian GHG Inventory Highlights

- MoEF&CC overall in-charge: Leading and driving the process
- 12 institutions and many scientists involved for almost two decades now
- Strong networks created. Integrates scientific contributions towards IPCC, UNFCCC and national inventory preparation
- 2006 Guidelines voluntarily adopted for many categories
- QA/QC plan implemented
- National Inventory Management System on anvil
- **GHG and GDP decoupling by 2-3% per year since 2005**
- **Strong policy driven implementation of climate commitments at the highest level**
- India well on track to meet its Copenhagen commitments and also Paris commitments (33-35% reduction in GHG/GDP over 2005-2030)

Thanks