Workshop on IPCC Inventory Software

India's experience in using IPCC Inventory Software

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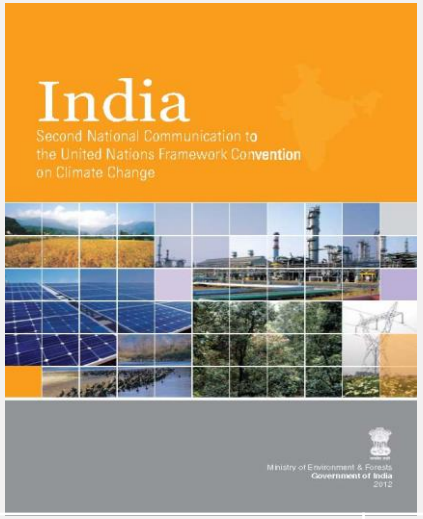
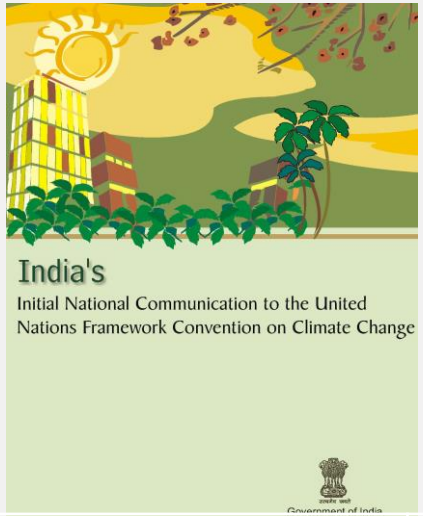
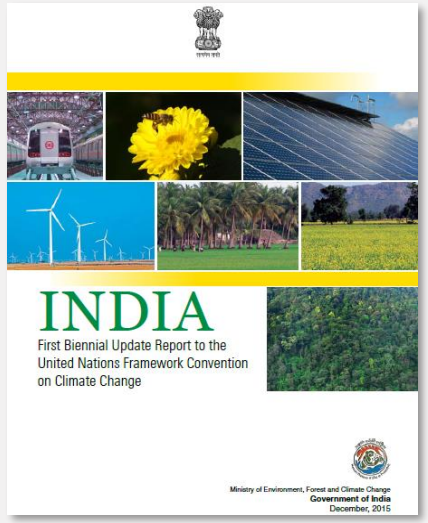
India's Submission to UNFCCC So Far



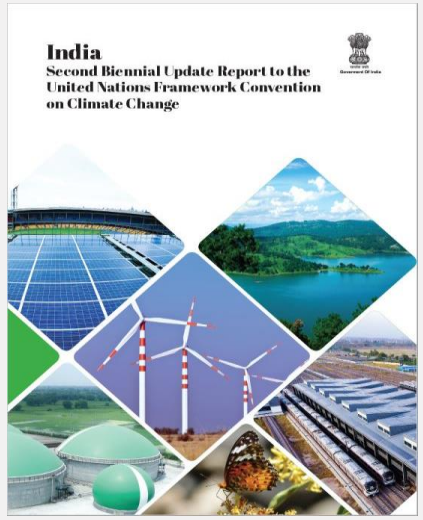
INC [22/06/2004]



SNC [04/05/2012]

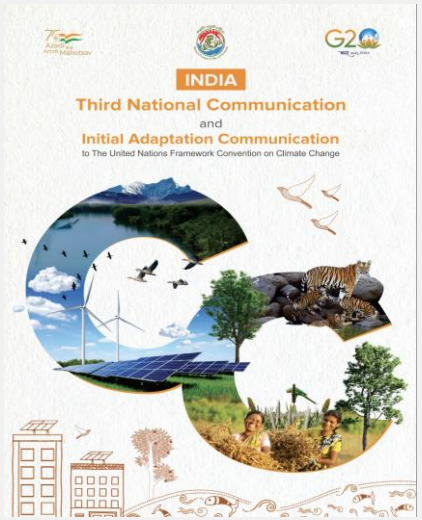


BUR1 [22/01/2016]



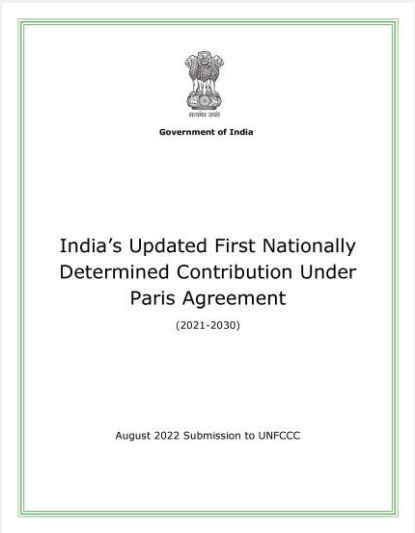
BUR2 [31/12/2018]

BUR3 [20/02/2021]

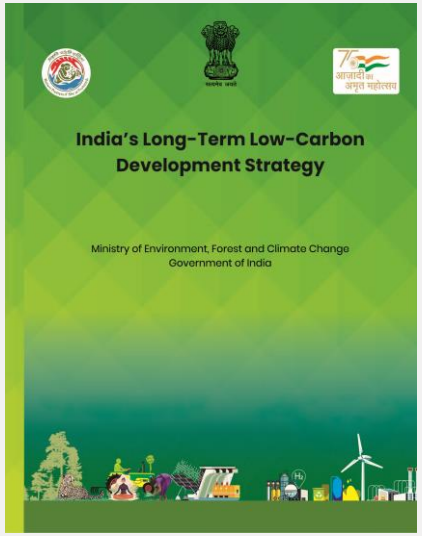


TNC [09/12/2023]

INDC [02/10/2015]



Updated NDC [26/08/2022]

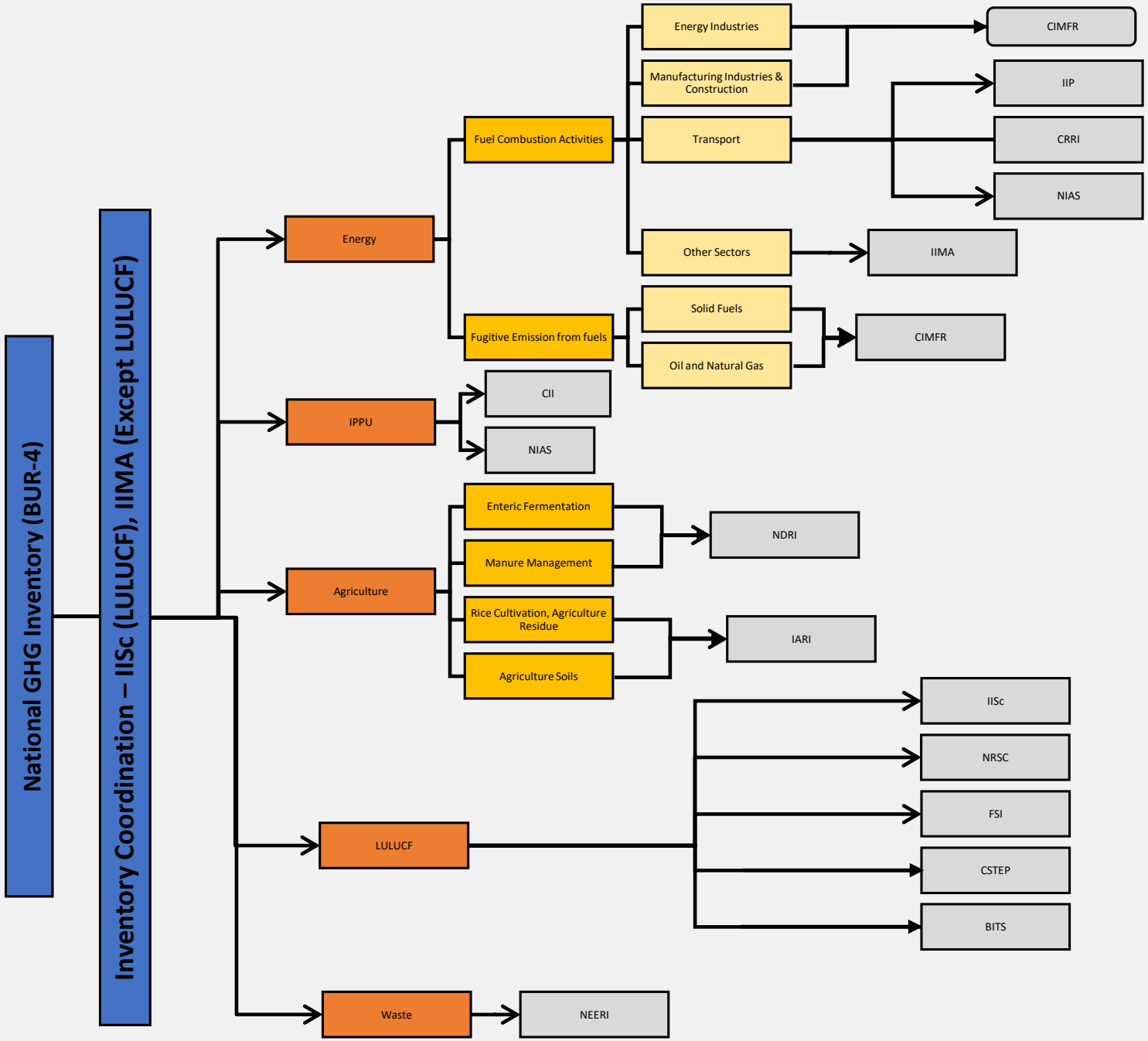


LT-LEDS [14/11/2022]

India's GHG Inventory Submission to the UNFCCC

Report	Submission Year	Inventory Period
Initial National Communication	June 2004	1994
Second National Communication	May 2012	2000
First Biennial Update Report	January 2016	2001-2010
Second Biennial Update Report	December 2018	2011-2014
Third Biennial Update Report	February 2021	2015-2016
Third National Communication	December 2023	2017-2019
Fourth Biennial Update Report	2024	2020
First Biennial Transparency Report	2024	2005, 2020-2021-2022

Institutional Arrangements for GHG Inventory



IPCC Inventory Software: Benefits

- Freely available, easy to install
- Ensures India's emissions reporting fully aligns with 2006 IPCC Guidelines
- In-built default emission factors useful
- Easy comparison and compilation with previous year inventories
- Different users access support easy coordination
- User-friendly interface reduces the learning curve for Indian experts/stakeholders
- Covers all sectors and gases as per IPCC guidelines
- Allows India to report on its diverse emission sources comprehensively
- Eliminates the need for developing a customized national inventory software
- Generate CRTs for each year, which reduces burden and saves time
- 2019 refinement available in the newer software version

Feedback and Suggested Improvements

- Xml files of different software versions not compatible
- Difficult to export background data in excel
- Time series import and export as excel file will be useful
- Saving data after each row is time-consuming; auto-save could be introduced
- Cell under subdivision could be voluntary; if we don’t mention it, it should allow us to move forward
- May not fully capture India's unique emission sources and circumstances
- Could face performance issues when handling extensive datasets
- May be too complex for use at State or local levels in India
- Does not easily integrate with existing Indian government databases and systems
- Optimize performance for handling large datasets
- Incorporate data visualization and analysis tools specific to India's need