

WGIA13 - Capacity building for measurability, reportability and verifiability
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For consistence in China Greenhouse Gas Inventory

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Outline

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- 1. UN Decisions related to consistence
 - 2. Practice in SNC for consistence
 - 3. Approach to improve consistence

1. UN Decision related to consistence

1.1 on BUR

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- Decision 2/CP.17 adopted by the seventeenth session of the Conference of the Parties (COP) of the UNFCCC stipulates that
 - “non-Annex I Parties, consistent with their capabilities and the level of support provided for reporting, should submit their first biennial update report by December 2014.
 - In using the Guidelines, non-Annex I Parties should take into account their development priorities, objectives, capacities and national circumstances.
 - Non-Annex I Parties shall submit a biennial update report every two years, either as a summary of parts of their national communication in the year in which the national communication is submitted or as a stand-alone update report.
 - The first biennial update report submitted by non-Annex I Parties shall cover, at a minimum, the inventory for the calendar year no more than four years prior to the date of the submission, or more recent years if information is available, and that subsequent biennial update reports shall cover a calendar year that does not precede the submission date by more than four years”

1.2 on Consistency

- The objective of the guideline for preparation of the biennial update reports from Parties not included in Annex I to the Convention are
- To encourage the presentation of information in a consistent, transparent, complete, accurate and timely manner, taking into account specific national and domestic circumstances
- For reference: Updated UNFCCC reporting guidelines on annual inventory following incorporation of the provisions of decision 14/CP.11
 - Consistency means that an inventory should be internally consistent in all its elements with inventories of other years
 - An inventory is consistent if the same methodologies are used for the base and all subsequent years and if consistent data sets are used to estimate emissions or removals from source or sinks.

2. Work in SNC for consistence

- 2.1 Apply same methodology
 - 1996 IPCC guideline
 - IPCC Good practice guideline
 - For example

	INC	SNC
Cement production	Production of clinker*EF	Production of clinker*EF
Lime production	Production of lime*EF	Production of lime*EF
Carbide production	Production of carbide*EF	Production of carbide*EF
Adipic acid production	Tier 3	Tier 3

2. Work in SNC for consistence

- 2.2 Has a stable team to prepare inventory

	INC	SNC
Energy	ERI	ERI
IPPU	ERI	TS: Tsinghua University
Agriculture	CAAS CAS	CAAS: China Academy of Agriculture Science CAS: Institute of Atmospheric Physics of Chinese Academy of Sciences
LUCF	FEEI	FEEI: Forest Ecology & Environment Institute of Chinese Academy of Forestry
Waste	CRAES	CRAES: Chinese Research Academy of Environmental Sciences

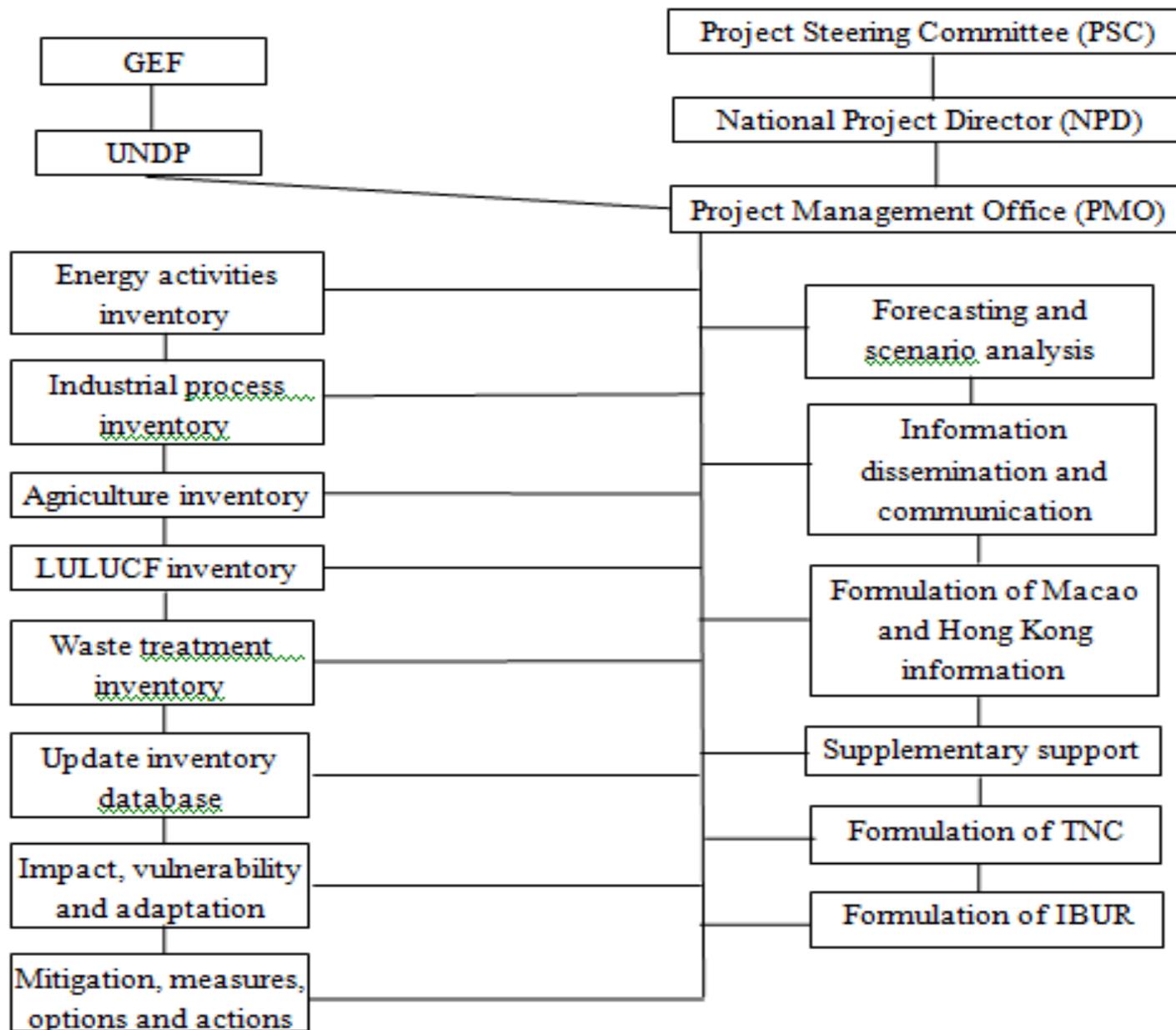
3. Approach to improve consistence



- 3.1 In GEF TNC project

- Title: Capacity Building Project Between the Government of the People’s Republic of China and United Nations Development Programme: To Enable China to Prepare Its Third National Communication to the UNFCCC
- The outputs in GEF/UNDP project
 - China’s TNC
 - China’s initial BUR
 - 2010 Inventory
 - 2012 Inventory

Main component and administration



Use the National Inventory Team



Inventory for Energy Activity	NCSC and ERI
Inventory for IPPU	Tsinghua University
Inventory for Agriculture	China Academy of Agriculture Science Institute of Atmospheric Physics (of Chinese Academy of Sciences)
Inventory for LUCF	Forest Ecology & Environment Institute of Chinese Academy of Forestry
Inventory for Waste Management	Chinese Research Academy of Environmental Sciences
Inventory database update	NCSC

3.1 In GEF TNC project



- Consistency will be taken into account in the preparation of inventories, such as
 - In energy inventory
 - In agriculture inventory
 - In waste inventory



3.2 To improve basic statistics for inventory preparation

- National Bureau of Statistics of China and NDRC is working together to strengthen basic statistics to better measure climate change and greenhouse gas emissions.
- China's energy and environment statistics have been improved during the last few years and they now provide a useful foundation for developing inventories

e.g., plan to improve basic statistics for IP inventory preparation



Industry	National Bureau of Statistics	Improve data on selected industrial products related to GHG emissions
	Ministry of Environmental Protection	Establish statistical reporting system on fluorine gas production, import, export and consumption
	National Energy Board, the State Administration of Production Safety Supervision	Improve statistics on methane emissions and utilization from coal production enterprises
	China Petroleum and Chemical Industry Association	Improve statistics on fugitive emissions from oil and natural gas production
	China Electricity Council	Improve statistics related to thermal power generation
	China Steel Industry Association	Improve statistics related to steel production

3.3 Set up NCSC

- At June 2012
- Department of Statistics and Assessment is one of the 7 department in NCSC
- Work scope of DSA
 - Prepare national GHG inventory, operation and maintain national greenhouse gas database
 - Prepare provincial GHG inventory guideline, prepare local inventory, capacity building for provincial inventory
 - Enterprise GHG reporting and carbon allowance
 - Develop, operation and maintain key GHG enterprise reporting system
 - Carbon intensity monitoring

3.4 Sub-national Inventory preparation

- Provincial level inventory
 - 2005 and 2010 inventories for 31 provinces have been completed
 - 2012 and 2014 inventories are preparing
- City/county inventory
 - District/county in Beijing
 - Cities in Zhejiang
 - Cities in Jiangsu
 - Haerbin,...

Reference

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- 1. Decision 2/CP.17 of UNFCCC
 - 2. NDRC, Capacity Building Project Between the Government of the People's Republic of China and United Nations Development Programme: To Enable China to Prepare Its Third National Communication to the UNFCCC, Proposal to GEF
 - 3. China Second National Communication
 - 4. ERI/NCSC, Report on climate change statistics, 2012
 - 5. United Nations Economic Commission for Europe, Conference of European Statisticians Recommendation on Climate Change-Related Statistics, 2014



Thank you for
your attention!

