

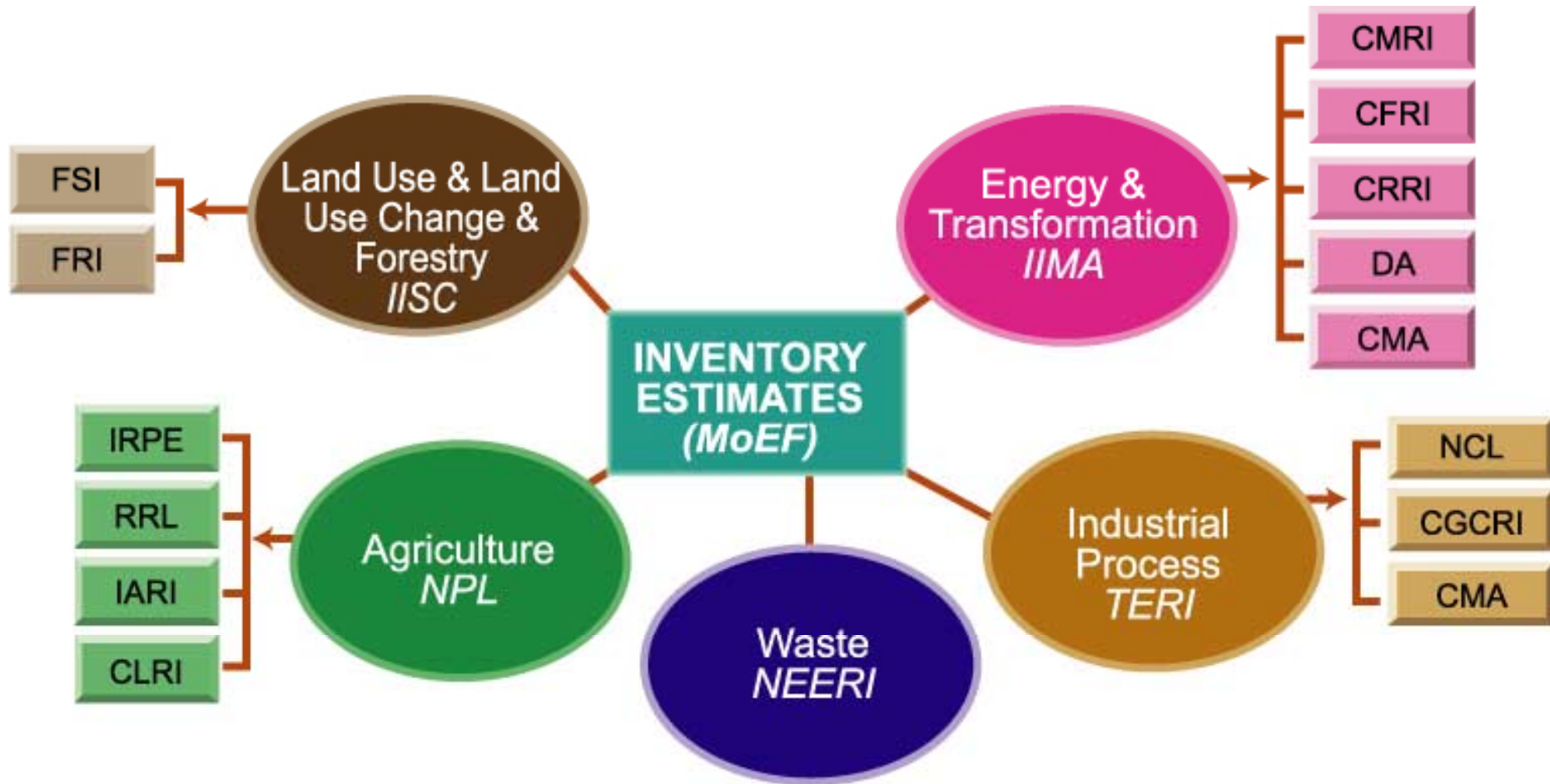
**Other elements of NATCOM:
National Circumstances &
Steps to Implement the Convention**

Elements of NATCOM

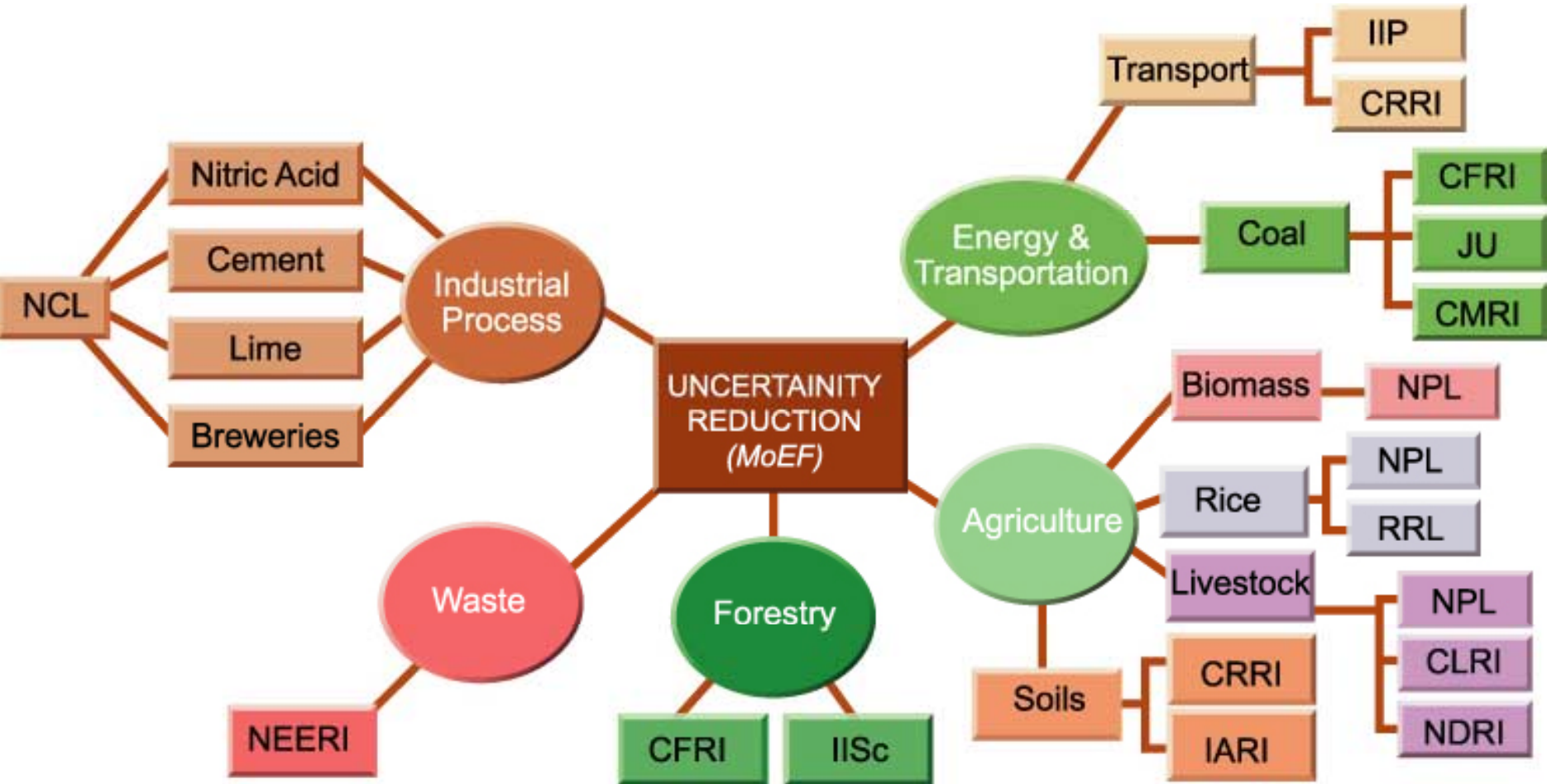
As per 10/CP.2, other than information on

- a. National Greenhouse gas Emission inventory by sources and sinks &
- b. Assessment of vulnerability to CC,
the following additional information need to be furnished:
- c. Information on National Circumstances
- d. General description of Steps taken or envisaged to be taken towards implementation of the UNFCCC:
 - Research and Systematic Observations
 - Education, Training and Public Awareness
 - National Development Policies, Priorities & Programmes
 - related to Sustainable Development
- e. Other information
 - Financial, Technological, capacity needs and constraints

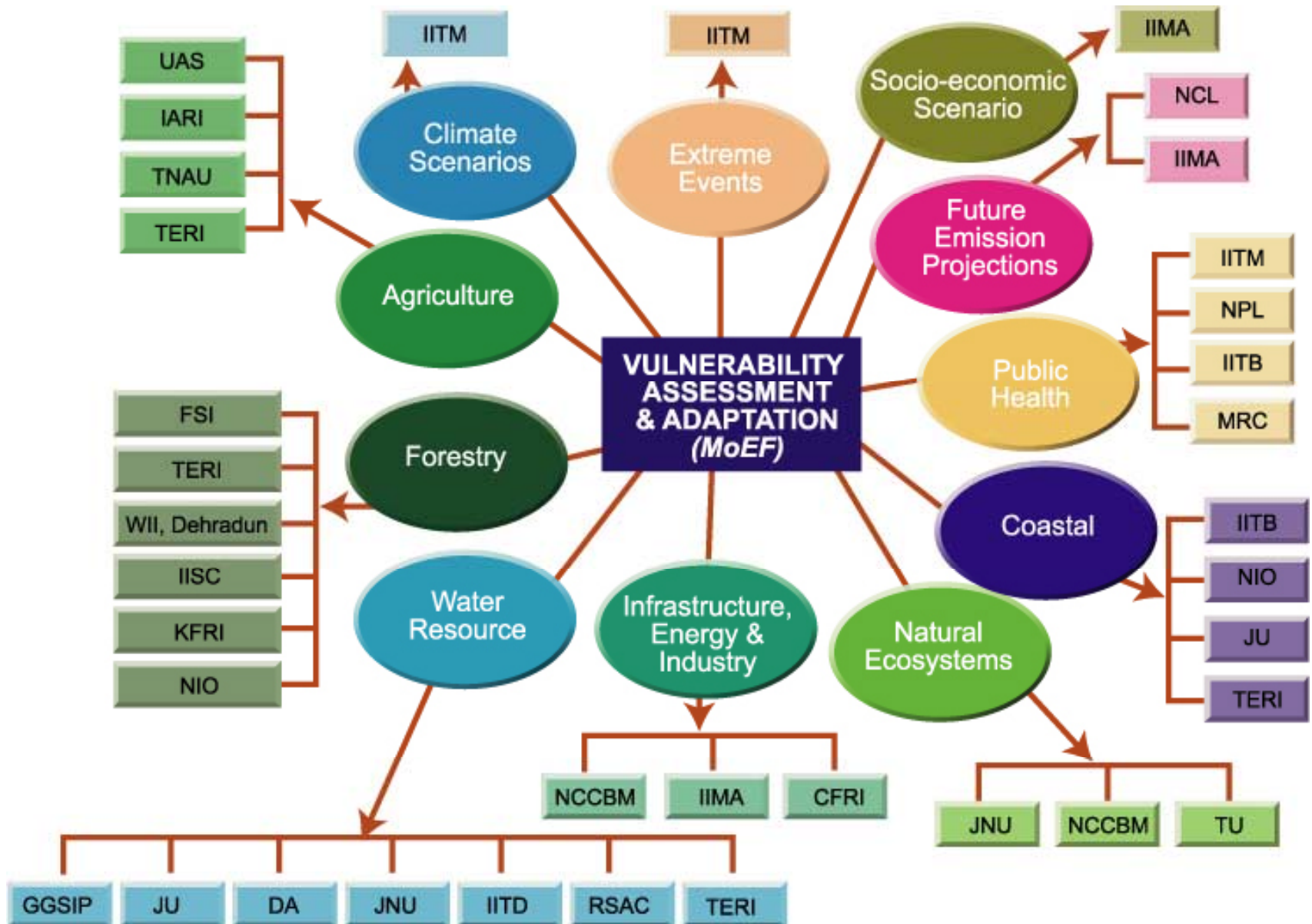
Inventory Estimation: Institutional Arrangement



Inventory estimation- Uncertainty Reduction : Institutional Arrangement



Vulnerability Assessment and Adaptation: Institutional Arrangement



SCOPE of NATIONAL COMMUNICATION ACCORDING TO ARTICLE 12.1

- **INVENTORY**
- **GENERAL STEPS**
- **ANY OTHER INFORMATION**

GUIDELINES (10 CP/2)
NON-ANNEX-I COUNTRIES FOR INITIAL NATIONAL COMMUNICATIONS

OUTLINE:

- **NATIONAL CIRCUMSTANCES**
- **INVENTORY**
- **GENERAL DESCRIPTION OF STEPS**
- **OTHER INFORMATION**
- **FINANCIAL AND TECHNOLOGICAL NEEDS AND CONSTRAINTS**

WORKS IN PROGRESS

- INVENTORY ESTIMATION - 12.1 (a)
- UNCERTAINTY REDUCTION 12.1 (a)
- VULNERABILITY AND ADAPTATION 12.1 (c)
- DATA CENTRE
- WEB SITE
- TARGETTED RESEARCH

ELEMENTS OF WORKS NOW INITIATED

- NATIONAL CIRCUMSTANCES -
- GENERAL DESCRIPTION OF STEPS
- OTHER INFORMATION
- FINANCIAL AND TECHNOLOGICAL NEEDS AND CONSTRAINTS

National Circumstances

Focus of information in this section is to highlight circumstances on the basis of which Parties will address Climate Change and its adverse impacts, specific needs and constraints arising from adverse effects of Climate Change.

National Circumstances: Scope of Work

- **Population Profile**

Growth rates, population density and distribution, historical perspective and per capita GHG emissions

- **Geographic Profile**

- **Land area**

- **Land use including changes**

National Circumstances: Scope of Work...contd.

- **Natural Resource Profile**

- **Wild life resources**
- **Water resources**
- **Forest resources**
- **Other Natural resources and biodiversity**

- **Climate profile**

Data on heating and cooling degrees/ days and rainfall and impacts of Climate Change

National Circumstances: Scope of Work...contd.

▪ Economic Profile

- GDP
- GDP per capita
- GDP by sector
- Levels of poverty
- Imports and exports
- GHG per GDP

National Circumstances: Scope of Work...contd.

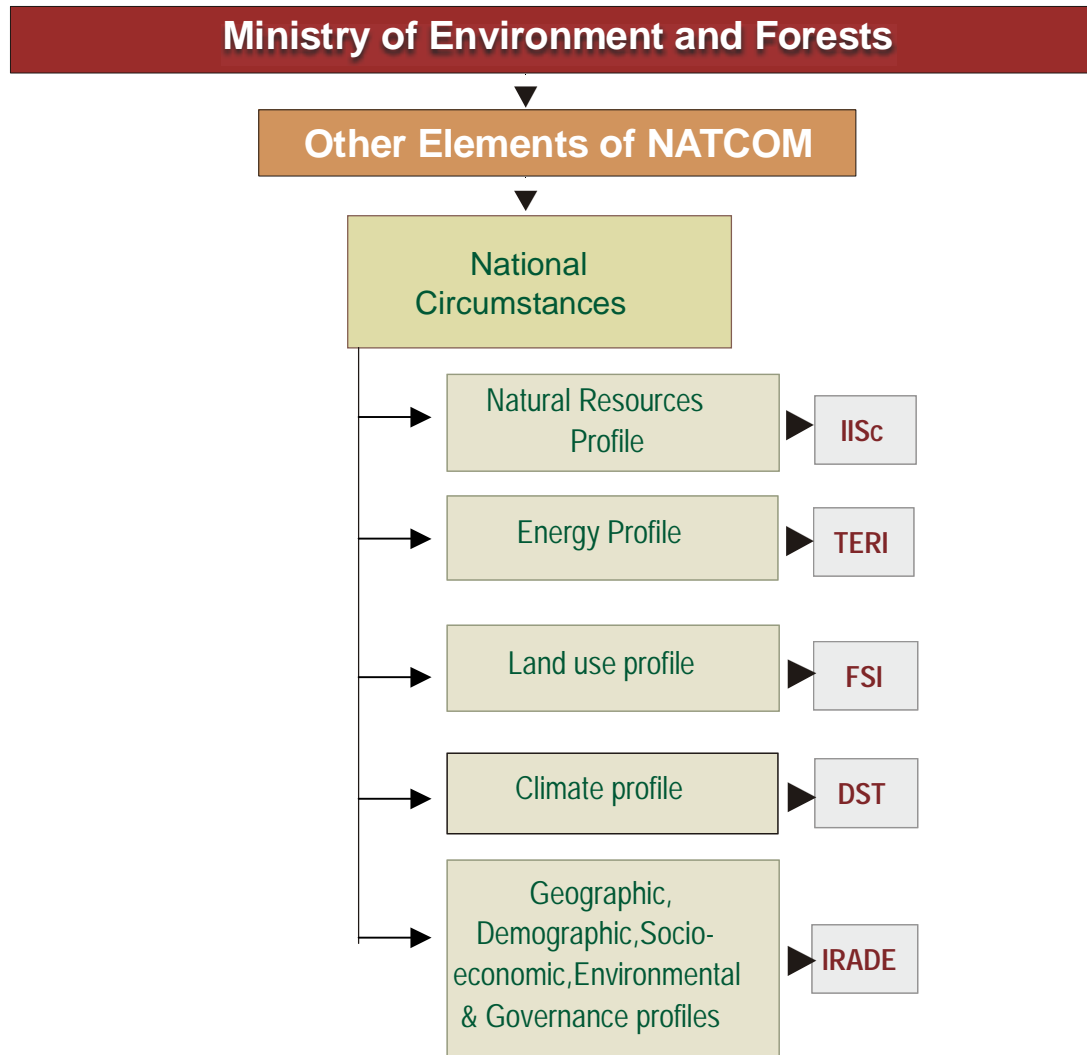
- **Energy Profile**
 - **Energy supply**
 - **Energy consumption by**
 - **Sector**
 - **Fuel**
 - **Type**
 - **Per capita**
 - **Per unit of GDP**
 - **Energy intensity**
 - **Energy pricing for commercial/ non-commercial consumers**

National Circumstances: Scope of Work...contd.

- **Social Profile**

- **Percentage of population dependent on agriculture**
- **Average dwelling size**
- **Number of vehicles per capita/ per family**
- **Personal and freight traffic (by various modes)**
- **Livestock population**
- **Livestock per unit area**

National Circumstances- Institutional arrangement



GENERAL DESCRIPTION OF STEPS TAKEN OR ENVISAGED 12.1 (b)

- **PROGRAMMES RELATED TO SUSTAINABLE DEVELOPMENT**
- **RESEARCH AND SYSTEMATIC OBSERVATIONS
EDUCATION, TRAINING AND PUBLIC AWARENESS**
- **POLICY OPTIONS FOR**
 - **ADEQUATE MONITORING SYSTEMS**
 - **RESPONSE STRATEGIES FOR CLIMATE CHANGE**
 - **IMPACTS ON TERRESTRIAL MARINE SYSTEMS**
- **POLICY FRAMEWORK FOR**
**IMPLEMENTING MEASURES AND RESPONSE STRATEGIES IN
THE CONTEXT OF COASTAL ZONE MANAGEMENT, DISASTER
PREPAREDNESS, AGRICULTURE, FISHERIES, FORESTRY ETC.
FOR INTEGRATION IN THE NATIONAL PLANNING PROCESS**

GENERAL DESCRIPTION OF STEPS TAKEN OR ENVISAGED 12.1 (b)...CONTD.

- **MEASURES AND PROGRAMMES**

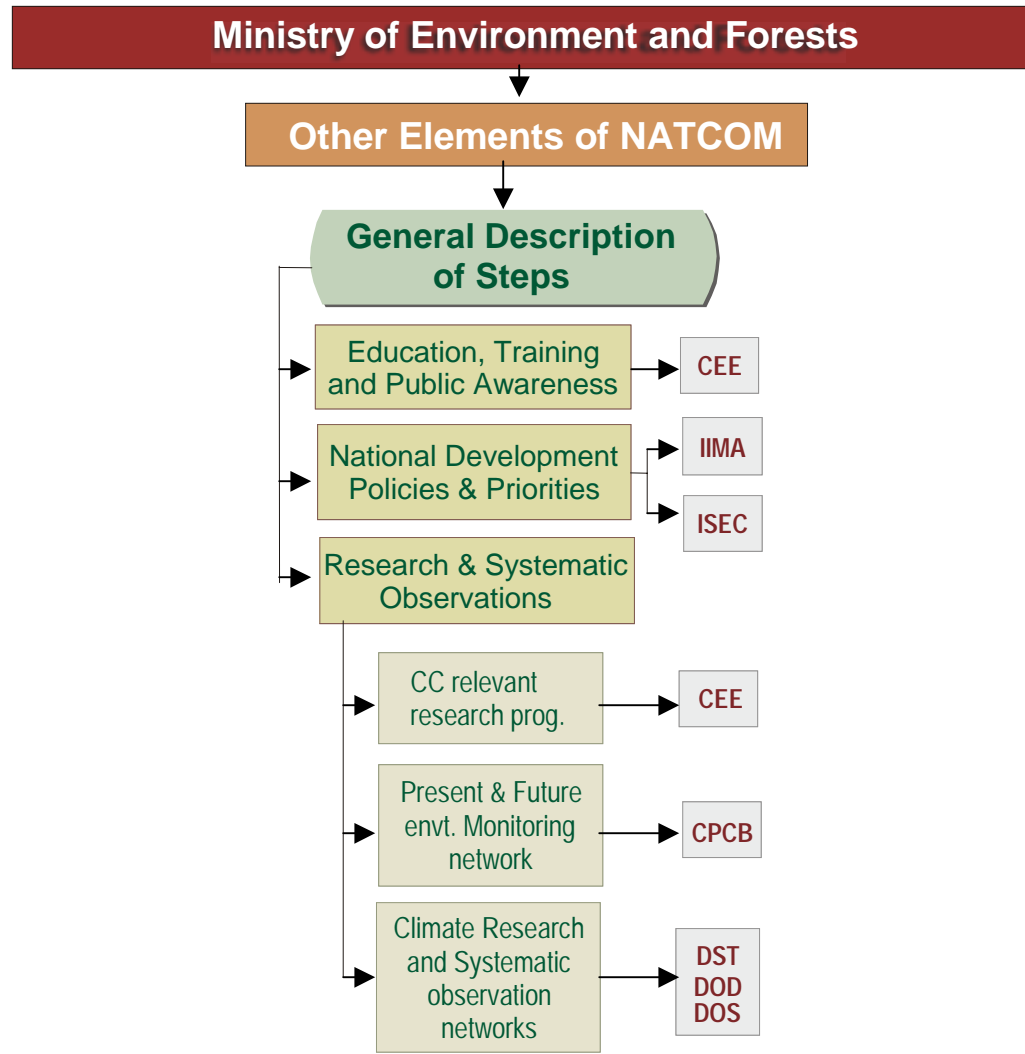
CONTRIBUTING TO ADDRESSING CLIMATE CHANGE & ADVERSE IMPACTS INCLUDING ABATEMENT OF INCREASING GHG EMISSIONS AND ENHANCEMENT OF REMOVAL BY SINKS

- **CAPACITY BUILDING**

- **NATIONAL COMMUNICATION**

- **REGIONAL/SUBREGIONAL COOPERATION FOR INTEGRATING CLIMATE CHANGE CONCERNS IN MEDIUM & LONG TERM PLANNING**

GENERAL DESCRIPTION OF STEPS TAKEN OR ENVISAGED - INSTITUTIONAL ARRANGEMENT



FINANCIAL & TECHNOLOGICAL NEEDS AND CONSTRAINTS

VISUALISED AS CAPACITY BUILDING NEEDS IN TERMS OF FINANCIAL, TECHNOLOGICAL NEEDS AND INSTITUTIONAL STRENGTHENING AND CAPACITY BUILDING

FINANCIAL & TECHNOLOGICAL NEEDS AND CONSTRAINTS

INFORMATION SHOULD HIGHLIGHT CONSTRAINTS ASSOCIATED WITH FURTHER IMPROVEMENT OF NATIONAL COMMUNICATIONS INCLUDING;

- **REDUCTION OF MARGIN OF UNCERTAINTIES IN EMISSION VARIABLES AND REMOVAL VARIABLES**
- **DESCRIPTION OF FINANCIAL AND TECHNOLOGICAL NEEDS FOR ENVISAGED ACTIVITIES AND MEASURES UNDER THE CONVENTION**
- **NATIONAL TECHNOLOGICAL NEEDS RELATED TO MEASURES TO FACILITATE ADEQUATE ADAPTATION TO CLIMATE CHANGE**
- **FINANCIAL AND TECHNOLOGICAL NEEDS RELATED TO ASSESSMENT OF VULNERABILITY TO CLIMATE CHANGE INTER ALIA INFORMATION RELATED TO DATA GATHERING SYSTEM TO MEASURE CLIMATE CHANGE EFFECTS AND STRENGTHENING THEREOF**
- **IDENTIFICATION OF LONG-TERM R&D AGENDA TO UNDERSTAND SENSITIVITY TO CLIMATE CHANGE**

FINANCIAL & TECHNOLOGICAL NEEDS AND CONSTRAINTS **IN THE NATCOM CONTEXT**

Will contain information vis a vis:

- **GHG INVENTORY PREPARATION**
- **CLIMATE ASSESSMENT AND PROJECTIONS, EXTREME EVENTS, DISASTER MANAGEMENT & OTHERS (CLIMATE RESEARCH NEEDS)**
- **AGRICULTURE, FORESTRY & NATURAL ECOSYSTEMS**
- **ENERGY RESOURCES**
- **WATER RESOURCES**
- **COASTAL ECOSYSTEMS**

FINANCIAL & TECHNOLOGICAL NEEDS AND CONSTRAINTS..

DETAILED SCOPING FOR Natcom

1. Constraints and gaps

1.1 Constrains and gaps with respect to Measures for addressing climate change;

- Assessment and possible implementation of GHG reduction options (e.g., lack of information, lack of understanding the need, lack of methods/ modeling efforts, lack of capacity to develop relevant mitigation/ CDM projects etc)
- Inadequate transfer of technology from annex-I countries
- Barriers in appropriate technology diffusion. Some market failure examples may also be given here, if any

FINANCIAL & TECHNOLOGICAL NEEDS AND CONSTRAINTS – INSTITUTIONAL ARRANGEMENTS

