Assigned Functions for Inventory Planning

Elaborate a **QA/QC** plan on the entire GHG inventory and establish quality objectives

Postal and electronic addresses of the national entity responsible for the GHG inventory **Designated** single **national entity** with overall responsibility for the national GHG inventory

Define and allocate **specific responsibilities** in the GHG inventory; the role of each involved entity shall be specified, and institutional, legal and procedural arrangements shall be clarified

Information obtained from QA/QC programme and any review process should be considered in the **improvement** of the GHG inventory (and its national system).

Establish and maintain the IA

ENTITY B

is overall responsible for producing the National GHG Inventory.

ENTITY C

is overall responsible to archive all information on GHG estimates and processes employed to achieve them, including National System.

ENTITY A

is overall responsible for ensuring the functioning of the National Inventory System

INDIPENDENT ENTITY I

should have technical capacity for performing quality assurance check of the National GHG Inventory

INDIPENDENT ENTITY II

should have technical capacity for producing activity data on land use and land-use changes

INDIPENDENT ENTITY III

should have technical capacity for producing statistical data on forest carbon stocks and carbon stock changes

INDIPENDENT ENTITY IV

should have technical capacity for producing statistical data on forest fires

INDIPENDENT ENTITY V

should have technical capacity for producing statistical data on carbon stocks and carbon stock changes for other land uses

INDIPENDENT ENTITY VI

should have technical capacity for producing statistical data on non-CO2 emissions from soils

INDIPENDENT ENTITY VII

should have technical capacity for producing statistical data on non-CO2 emissions from manure management

OTHER INDIPENDENT ENTITIES

should have technical capacity for producing other statistical data as needed

Ensure sufficient capacity for timely performance of the national inventory system functions

Official consideration of the GHG inventory

Assigned Functions for Inventory Preparation

Identify key Prepare estimates in accordance **Collect** sufficient activity Make a quantitative estimate of **Compile** the national GHG Implement inventory with the methods described in the categories data, process information inventory uncertainty inventory Quality Control procedures IPCC guidelines and emission factors INDIPENDENT ENTITY II should have technical capacity for producing activity data on land use and land-use changes **ENTITY B** is overall responsible for INDIPENDENT ENTITY III producing the National should have technical capacity for producing GHG Inventory. statistical data on forest carbon stocks and carbon stock changes INDIPENDENT ENTITY IV **ENTITY C** should have technical capacity for producing is overall responsible to INDIPENDENT ENTITY I statistical data on forest fires should have technical capacity archive all information on for performing quality GHG estimates and INDIPENDENT ENTITY V assurance check of the processes employed to should have technical capacity for producing achieve them, including National GHG Inventory statistical data on carbon stocks and carbon stock changes for other land uses National System. Based on the QA/QC results and INDIPENDENT ENTITY VI should have technical capacity for producing any other review, the Party **ENTITY A** statistical data on non-CO2 emissions from soils should re-evaluate the inventory is overall responsible for planning process in order to meet ensuring the functioning of INDIPENDENT ENTITY VII the established quality objectives the National Inventory should have technical capacity for producing (Improving) statistical data on non-CO2 emissions from manure System management OTHER INDIPENDENT ENTITIES should have technical capacity for producing other statistical data as needed Provide for planned **Quality Assurance**

procedures

Assigned Functions for Inventory Management

INDIPENDENT ENTITY I

should have technical capacity for

performing quality assurance check

of the National GHG Inventory

Respond to requests for clarifying information on the GHG inventory and on the national system, in a timely manner (**Transparency**)

Archive inventory information for each year.

Provide **access** to all archived information

All archived information shall be **secured** (as access and placement)

ENTITY B

is overall responsible for producing the National GHG Inventory.

ENTITY C

is overall responsible to archive all information on GHG estimates and processes employed to achieve them, including National System.

ENTITY A

is overall responsible for ensuring the functioning of the National Inventory System

INDIPENDENT ENTITY II

should have technical capacity for producing activity data on land use and land-use changes

INDIPENDENT ENTITY III

should have technical capacity for producing statistical data on forest carbon stocks and carbon stock changes

INDIPENDENT ENTITY IV

should have technical capacity for producing statistical data on forest fires

INDIPENDENT ENTITY V

should have technical capacity for producing statistical data on carbon stocks and carbon stock changes for other land uses

INDIPENDENT ENTITY VI

should have technical capacity for producing statistical data on non-CO2 emissions from soils

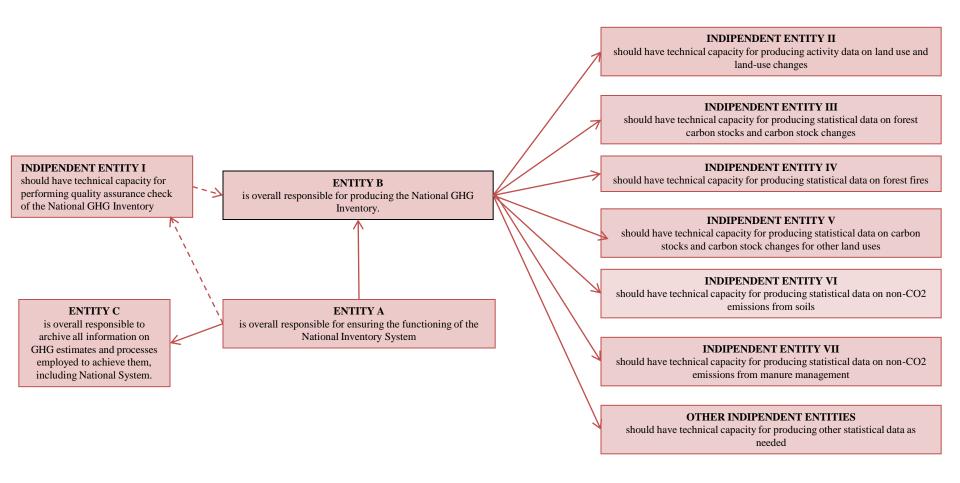
INDIPENDENT ENTITY VII

should have technical capacity for producing statistical data on non-CO2 emissions from manure management

OTHER INDIPENDENT ENTITIES

should have technical capacity for producing other statistical data as needed

Hyerarchy among entities in performing the functions



Example

either

Ministry of Environment

or

National Statistics Office

ENTITY C

is overall responsible to archive all information on GHG estimates and processes employed to achieve them, including National System

AND

INDIPENDENT ENTITY I

should have technical capacity for performing quality assurance check of the National GHG Inventory INDIPENDENT ENTITY II

should have technical capacity for producing activity data on land use and land-use changes **Geospatial Agency**

INDIPENDENT ENTITY III

should have technical capacity for producing statistical data on forest carbon stocks and carbon stock changes

National Forest Inventory

INDIPENDENT ENTITY IV

should have technical capacity for producing statistical data on forest fires

Geospatial Agency /
Forest Reaserch Institute

INDIPENDENT ENTITY V

should have technical capacity for producing statistical data on carbon stocks and carbon stock changes for other land uses

Research Institute on Lands

INDIPENDENT ENTITY

VI

should have technical capacity for producing statistical data on non-CO2 emissions from soils **Research Institute on Soils**

ENTITY A

Environmental

Protection Agency

ENTITY B

is overall responsible for

producing the National

GHG Inventory

is overall responsible for ensuring the functioning of the National Inventory System

Climate Change Department / Climate Change Committee (environment ministry, finance ministry, etc)

INDIPENDENT ENTITY VII

should have technical capacity for producing statistical data on non-CO2 emissions from manure management

Reaserch Institute on Livestocks

OTHER INDIPENDENT ENTITIES

should have technical capacity for producing other statistical data as needed **National Statistics Office**

Example

Institutional Arrangement

A Legislative Decree establishes the National Inventory System (NIS) and gives the legal authority to the Climate Change Committee/Departmement (establishes it, if not present) for maintaining the NIS. Furthermore, it assigns functions to:

A periodic (annual) decree/assessment by the Climate Change Committee/Department provides for

Each entity issues and revises an internal regulation where procedures for fulfilling its functions are set. The regulation shall be periodically (annually) revised according to QA/QC and review processes

For each flux of information and data among entities a Memorandum of Understanding (MoU) shall be signed to clarify the timing of flux and the quality of data. The MoU shall be periodically (annually) revised according to QA/QC and review processes

Function

ty to ensure sufficient capacity (financial and human resources, facilities) for timely performance of the national inventory system functions

to give official consideration of the GHG inventory

to be overall responsible for delivering the national GHG inventory

to be open to be contacted by civil society for dissemination, Q&A, information

to elaborate the QA/QC plan and to set quality objectives

to collect sufficient activity data, process information and emission factors

to identify key categories

to prepare estimates in accordance with the methods described in the IPCC guidelines

to make a quantitative estimate of inventory uncertainty

to compile the national GHG inventory

to implement inventory Quality Control procedures

to respond to requests for clarifying information on the

GHG inventory and on the national system

to archive all information and data ensuring safety

to provide access to all archived information

to perform/support QA assessment

improving the National Inventory System according to outcomes from QA/QC and review processes (linked to the maintenance function of the NIS)

official approval of the national GHG inventory

Entity

(A) the Climate Change Committee/Department

(B) the Environmental Protection Agency

(C) National Academy/Institute for Research