

Capacity Needs To Set Up And Maintain an MRV System Ghana's Approach

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Outline

- MRV System Ghana's Approach
- Capacities to maintain MRV System
- Benefits of a robust MRVs
- MRV Capacity Challenges
- Key Points

MRV System Ghana's Approach

MRV - Architecture

MRV shall comprise methodologies to measure

Emission inventories
and trends

Supported and
unilateral, public and
private **mitigation**
actions

Support provided and
needed in order to
monitor if actions
globally are on track to
a 2°C target

How are we doing this?

- Building national capacity on MRV System
- Institutionalizing procedures

MRV System Ghana's Approach

MRV - Requirements

Annex I countries

Reporting

- National Communication every four years
- Biennial Report (BR) every two years
- Emission inventories (yearly)
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Verification

- International Assessment and Review (of BR)
- Review process

Non-Annex I countries

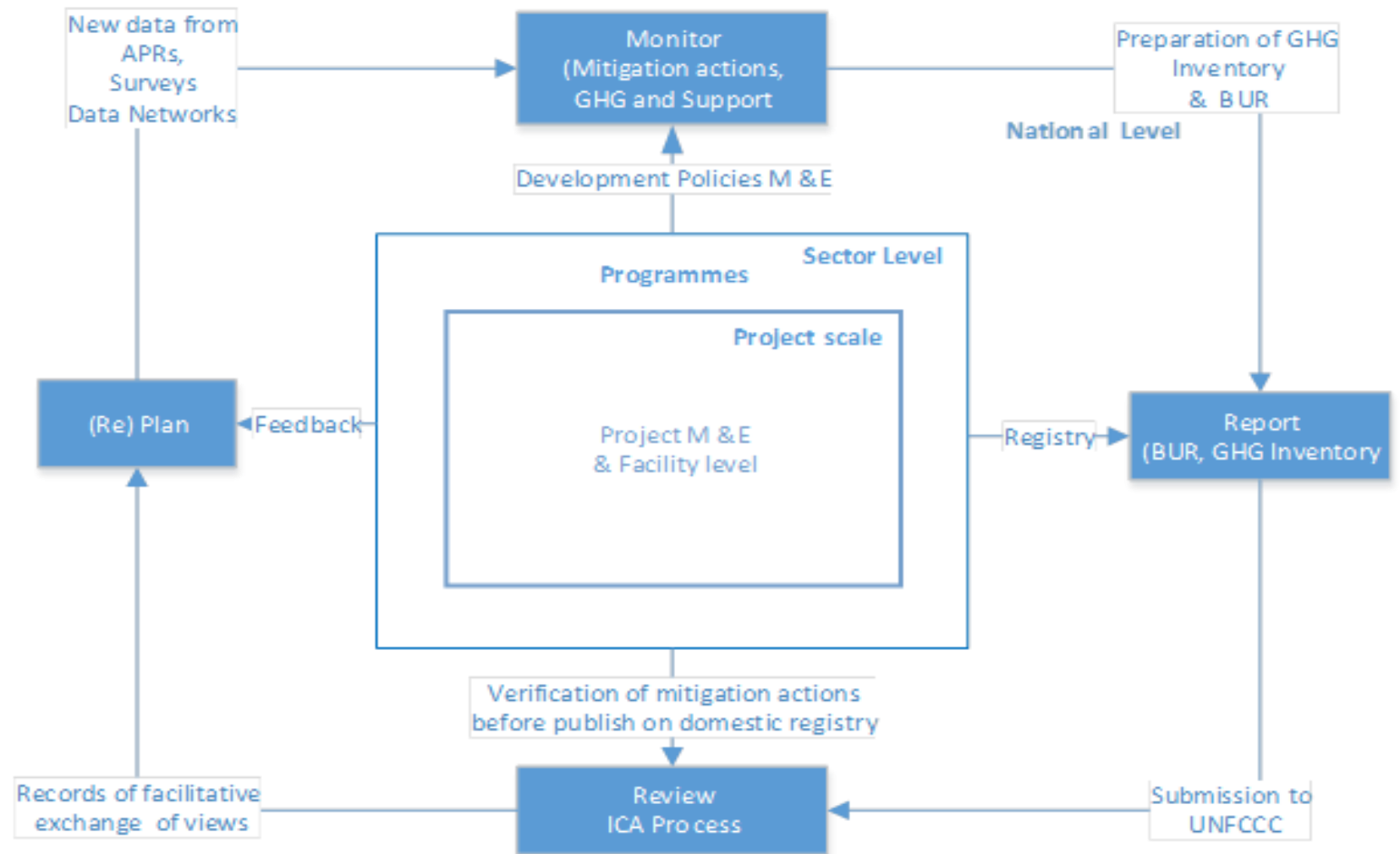
Reporting

- National Communication every four years
- Biennial Update report (BUR) every two years

Verification

- International Consultation and Analysis of BUR

MRV System Ghana's Approach



MRV System

Purpose for developing
MRV system
National level

- Compiling and providing the **information basis for planning and implementation** and domestic verification of impacts of mitigation actions.
- MRV systems strengthens **national GHG data quality**
- MRV helps **identify national priorities (including NAMAs)**, as well as **challenges and opportunities**.
- **Policy planning and prioritisation and improving consistency with policy** – important to keep track of lessons learnt from implementation (NAMA) to develop better policies in the future.

Capacities Needed for MRV

Human Resource

- Capacity and skills of individual staff, including
 - Managerial abilities and technical skills.
 - Recruitment and retention of skilled staff.

Institutional

- Ability to perform functions to achieve objectives.
- Effective institutional arrangements, processes and coordination mechanisms, leadership, and institutional mandates.
- Capability to identify problems and develop and implement solutions.

Capacities Needed for MRV

Technical

- Availability and quality of data and information.
- Access to appropriate methodologies.
- Retention of institutional memory, archiving, and documentation procedures.
- Collection and dissemination of information.
- Technical and technological infrastructure (e.g. data collection platforms and monitoring technology).

Financial Resources

- Adequate financial resources and the ability to manage these resources.

Benefits of a Robust MRV System

Institutional Needs

Mandates and Roles

- Clearly designated mandates of authority, i.e., all entities are aware of their specific responsibilities, as well as the roles designated to other institutions
- Strong leadership from the designated lead institution
- Data sharing agreements, such as a Memoranda of Understanding (MOUs) and/or legal mechanisms requiring the necessary data between the lead institution and data providers (e.g. trade associations or companies)

Coordination

- Central department mandated with compiling data and information and ensuring coordination across relevant ministries.
- Clear and efficient process for sharing data and information across institutions.
- Effective coordination and information sharing mechanisms across bodies and within a specific institution, as well as a systematic procedure for ensuring that climate and MRV concerns were successfully integrated into national priorities and policies

Benefits of a Robust MRVs

Technical Needs

- A system for data management that encompasses:
 - processes, such as collecting, inputting, storing and sharing data
 - the technical platform(s) used to facilitate these tasks.
- Integrated data management systems/registry.
- A repository for GHG emissions data.
- Documentation of the inventory process .
- Archiving of historic data and information to prevent loss of institutional memory.
- A means to share data between staff/ institutions.
- Open access to data, which support experience exchange with other countries as well as research activities.
- Use of consistent and appropriate methodologies

Benefits of a Robust MRV System

Human Resource

- Adequate numbers of staff dedicated exclusively to MRV activities.
- Permanent staff which requires a move from project based model for MRV/inventories.
- Sustainable funding for MRV can help minimize staff turn over.
- Trained staff at national, sub-national and sectoral levels. Staff capacity building can include training on:
 - The design, implementation, and operation of MRV systems.
 - Data collection and management.
 - Accounting methodologies.
- Institutional mechanism for sustained training and support (as opposed to one-off activities).
- Long-term retention of institutional memory and capacity, i.e., institutional knowledge is not lost with changes in personnel or over time.

MRV Capacity Challenges

- Countries faced with whether to adapt existing institutional systems and mandates vs. setting up new institutions and systems.
- A lack of clarity around institutional mandates for MRV
- No formalized agreements between different ministries/institutions
 - Data
 - Coordination
- No mechanisms for long term retention of institutional memory and capacity i.e. institutional knowledge is lost with changes in personnel or over time.
- Outsourcing of MRV activities - lack of staff capacity building within institutions
- Lack of quality of data and information.
- No centralized system for sharing/storing data.

Key Points



Countries best served by making incremental improvements, building on existing foundations and systems

Effective implementation requires in-country institutional frameworks, mandates and data sharing agreements.

Reporting emissions, actions and support in standardized formats helps ensure consistency of the information and facilitate their evaluation.

Investment in building in-house capacity building supports long term ability to measure and report on emissions.

Thank You