

Integrating Monitoring, Reporting and Verification with ETF and SDGs

Progress and experience on implementation of integrated Monitoring, Reporting and Verification (MRV) Tool for climate actions for domestic and international requirements within the Enhanced Transparency Framework (ETF) for climate actions and support under the Paris Agreement (PA) and Sustainable Development Goals (SDGs).

National GHG Inventory

Customized National GHG Inventory Module for Sectoral and Economy wide GHG emissions and removals. IPCC Sectoral background data tables, Sectoral Reports on Net GHG emissions/removals and GHG emission trends (YoY basis)

NDC Action Tracking

Electronic monitoring, tracking and reporting of the information necessary to track progress made in implementing and achieving NDCs e.g. Mitigation (Policies and measures, actions and plans), Adaptation Action with mitigation co-benefits, Economic diversification plans with Mitigation co-benefits, Operational Indicators etc.

Climate Finance Tracking

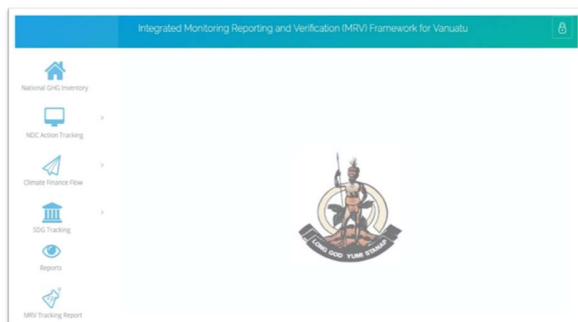
Climate finance / Support required/received for NDC implementation actions, Finance & resources deployment schedule, monitoring, tracking and reporting. Domestic and international climate investment monitoring -sector and economywide.

SDG Mapping and Tracking

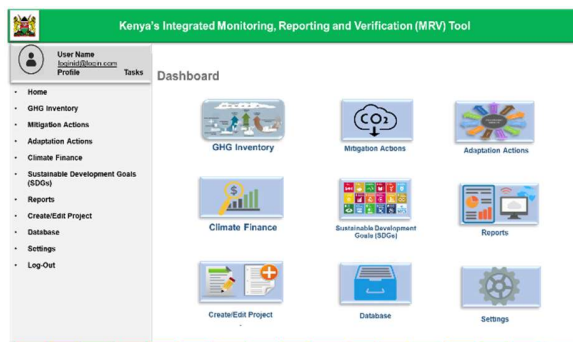


Assessing climate action contributions to the sustainable development. SDG Module developed as per the UNDP's Climate Action Impact Assessment Tool (CAIT).

Integrated Monitoring, Reporting and Verification (MRV) Tool



Vanuatu's Integrated MRV Tool



Kenya's Integrated MRV Tool

- First of its kind initiative to integrate most of the domestic and international climate action monitoring, tracking and reporting requirements of developing countries, SIDS and LDCs.
- An initiative to engage and align all Government agencies, Development partners, MDIs and NGOs towards evidence-based decisions and data insights reporting.
- Customizable to adapted country specific tracking, monitoring and reporting of data most critical to them.
- Fully customizable cloud-based open source dashboard; customizable reporting table formats, exported to excel and PDF.
- Extended to integrate with existing or new Domestic/Regional/International Market based mechanisms (MBMs) and Result Based Framework.

The Paris Agreement, adopted in December 2015, sets out a global action plan that puts the world on track to avoid dangerous climate change by limiting global warming to well below 2°C and pursuing efforts to limit the temperature increase to 1.5°C above pre-industrial levels, recognizing that this would significantly reduce the risks and impacts of climate change.

It refers to NDC 'Nationally Determined Contributions' that each individual country should make to achieve the worldwide goal set to reduce emissions of greenhouse gases (GHG's). As part of this Agreement, all countries agreed to an enhanced transparency framework (ETF) for action and support (Article 13), with built-in flexibility which considers Parties' different capacities and builds upon collective experience.

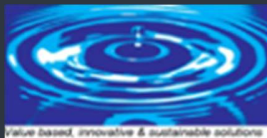
The purpose of Monitoring, Reporting and Verification (MRV) framework for transparency of actions under the Paris is to provide a clear understanding of climate change action in light of the objective of Article 2 of the Convention, including clarity and tracking of progress towards achieving Parties' individual nationally determined contributions, and Parties' adaptation

actions, including good practices, priorities, needs and gaps, to inform the global stock take under Article 14 of the Paris Agreement.

The enhanced transparency framework demands substantial and immediate progress in countries' domestic monitoring reporting and verification (MRV) systems and strategic de-carbonization planning.

The Integrated Measurement, reporting, and verification (MRV) Tool bring consistency and enhance accuracy and transparency in reporting national and sectoral level GHG emissions through standardized and optimized calculations that avoid double counting and promote quality management.

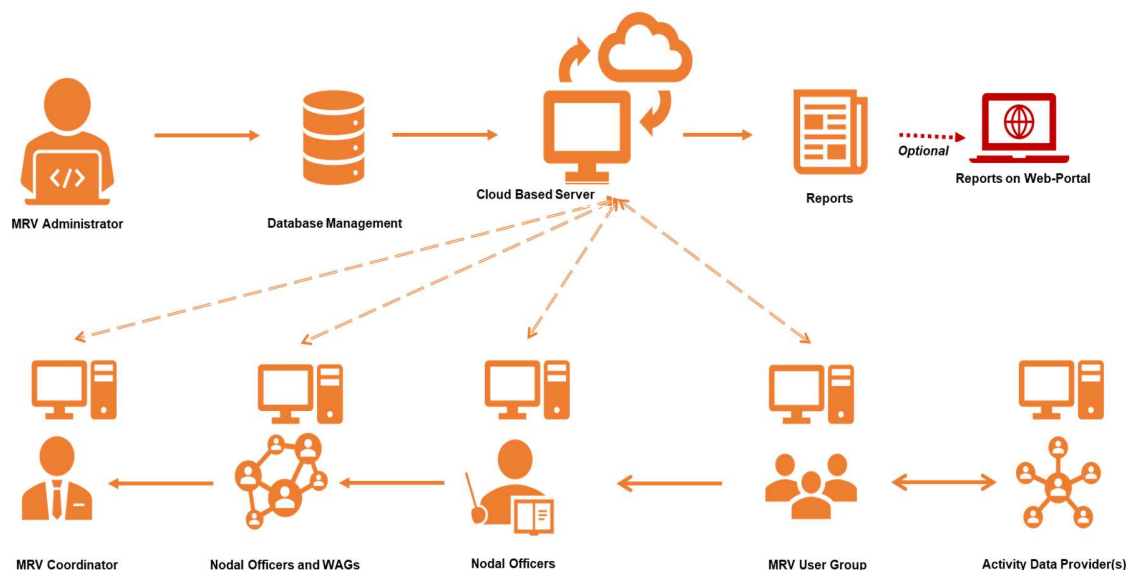
The NDC Action tracking module fulfills most of the climate related monitoring and reporting requirements of developing countries those are face challenges in establishing and operating MRV systems due to insufficient and inadequate technical capacity and financial resources.



Integrated Monitoring, Reporting and Verification (MRV) Tool Guiding Principles

"Apply and promoting environmental integrity, transparency, accuracy, completeness, comparability and consistency, and ensure the avoidance of double counting; implemented considering the national circumstances in a facilitative, non-intrusive, non-punitive manner, respectful of national sovereignty, and avoid placing undue burden"

Features, Design and Operational Structure of MRV Tool



Technical Support

- * Support in design, development and implementation of MRV system.
- * Integration of MRV Tool in to the domestic MRV system. Installation and Setup of Integrated MRV Tool;
- * Maintenance and Application Support for initial 6 months.

Training

- * On-site/virtual class room training (3-5 Days) for the select user group. Online Training Modules and tutorial-based training.

Capacity Building

Built Domestic Capacity: Master Trainer and knowledge Champion. Calibration: Periodic (annually or bi-annually) calibration of the user and master trainers, knowledge champion.

Contact us:

For more information on integrated MRV Tool or any technical queries on MRV please contact us:

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Integrated MRV Tool Key Features

The integrated Monitoring, Reporting and Verification (MRV) Tool is robust but also flexible to accommodate the needs of government and stakeholders keeping in mind the capacity and resource constraints. The integrated MRV Tool based on modular approach and provide flexibility to accommodate and can be tailed to align with the host country climate change and development policies including communicating the progress reports domestically and under international transparency framework.

The monitoring of GHG emission reductions, climate (NDC) actions - mitigation impact, adaptation impact, SDG impacts and climate finance flow for each project/programme will also result in improved international/bilateral cooperative cooperation.

In future the resultants GHG emission reductions may be used as internationally transferred mitigation outcomes (ITMO's) under Article 6 of the Paris Agreement or any domestic, regional market-based mechanism and result based framework.

The integrated MRV also fulfils most of the reporting requirements under enhanced transparency framework (ETF) under the Paris Agreement and can be used under market and non-market approaches under Article 6.

The unique advantage of the integrated MRV approach being the ability to track the SDG impact of each climate actions (mitigation and adaptation) at the project/programme level which immensely assists in aligning climate actions including NDCs with SDG's through linking the policies and priorities for climate change mitigation, adaptation with the national sustainable development goals.

Finally, the integrated MRV tool with its versatility and modular nature has a great potential for replication in other regions assisting the host countries in progressing towards achieving the ambitious goals under the Paris Agreement.

Integrated MRV Tool Country Experiences



- Vanuatu (Implementation Phase)



- Kenya (Testing Phase-Beta Version)



- Uganda (Inception Phase)



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