

United Nations Environment Programme en.lighten initiative

Measuring, Reporting and Verifying (MRV) for an Efficient Lighting NAMA

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Developing a Nationally Appropriate Mitigation Action on Efficient Lighting
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Measurement, Reporting and Verification for Efficient Lighting NAMAs

- MRV a management tool for ensuring transparency and help in effective implementation of a given activity.
 - Measurement collect relevant information on progress and impacts
 - Reporting Present the measured information in a transparent and standardised manner
 - Verification assess the **completeness, consistency and reliability** of the reported information through an independent process.
- Measurement enables assessment of:
 - Progress in implementation of plans;
 - The achievement of objectives/goals; and,
 - Any necessary corrective steps.
- Reporting and verification ensure communication of consistent and reliable information to appropriate authorities in order to facilitate assessment.



What to Measure in NAMAs

- MRV is an international requirement as agreed by Parties to the Convention, and is aimed at:
 - Enhancing trust among countries through transparency; and,
 - Enable a collective assessment of mitigation by all countries and its progress to achieve the 2 degree goal.
- What to measure
 - Information on planned NAMAs:
 - Progress indicators to track the implementation of the NAMAs; and,
 - Methodologies and assumptions to estimate GHG reduction.
 - Information on NAMAs under implementation, or implemented:
 - Progress in implementation;
 - · Results achieved,
 - Outputs (metrics depending on type of action), and
 - Impacts in terms of greenhouse gas emissions reduction.
- From a country perspective MRV is important to track Sustainable Development Benefits.





Data to Track Objectives of an Efficient Lighting Strategy

- Promoting Minimum Energy Performance Standards (MEPS)
 - Tracking progress of formulation and implementation of regulation and related support structure (testing procedures and labs; certification systems and enforcement structure).
 - Tracking review and updating of MEPS.
 - Effectiveness of MEPS Stock of efficient lamps in market; average efficiency of lamps sold.
- Supporting Policies and Programmes
 - Programmes implemented to promote and increase reach of efficient lamps and other lighting products;
 - Amount of subsidies or other fiscal incentives provided an indirect estimate of amount of efficient lamps
 - Tracking price in the market also helps review incentives provided
- Impacts GHG reduced; electricity saved; jobs created; etc.





Systems – Implementing MRV

- Could be done on a NAMA by NAMA basis or countries could use their existing M&E systems to establish a systematic approach to data collection on measuring progress and impacts.
- Advantage provides regular and systematic information for national review of implementation as well as information to prepare reports for international level.
- Minimum requirements
 - Institutional arrangements roles and responsibilities and arrangements to implement them.
 - Modalities and procedures
 - Guidance for developing measurement requirements for individual NAMAs,
 - Reporting requirements, and
 - Process and procedures for undertaking verification of the reported information.



Thank You

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