

# Overview of **measurement, reporting and verification (MRV)** under the Climate Change Convention

**Friends of the CBD Workshop**

21-23 April 2016, Bogis-Bossey, Switzerland



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# Outline of Presentation

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- Overview of the MRV system under UNFCCC
- Impacts of MRV
- Resource implications
- Challenges

# Existing MRV under the UNFCCC

A system to track the implementation of the Convention (progress in achieving emission reduction target under the Convention and KP) and to identify capacity-building needs of Parties

## Measurement (M): guided by IPCC guidelines and methods

- Emissions and removals of GHGs
- Effectiveness of policies and measures

## Reporting (R): guided by reporting guidelines

- GHG inventories
- Other aspects of implementation (mitigation and adaptation actions, GHG projections, financial, technology transfer and capacity building support, etc.)




## Verification (V): guided by review guidelines/ modalities and procedures

- Technical review/ analysis
- Compliance assessment for KP Parties
- Multilateral consideration process under the International Assessment and Review (IAR) and International Consultation and Analysis (ICA) processes, commenced in 2014



# Frequency of MRV

MRV elements	Annex I Parties	Non-Annex I Parties
Reporting	<p>National communications (4 years)</p> <p>National GHG inventory (annually)</p> <p>Biennial reports (2 years)</p>	<p>National communications (contain GHG inventory) (4 years)</p> <p>Biennial update reports (contain GHG inventory) (2 years)</p>
Technical review or analysis	<p>Technical review of biennial reports (2 years)</p> <p>In-depth review of national communications (4 years)</p> <p>Annual review of national GHG inventories (annually)</p>	<p>Technical analysis of biennial update reports (2 years)</p>
Multilateral process and compliance	<p>Multilateral assessment (2 years)</p> <p>Compliance (standing arrangements)</p>	<p>Facilitative sharing of views 2 years)</p>

Color coding	
	Convention only
	Kyoto Protocol only
	Both Convention and Kyoto Protocol



# MRV under the Paris Agreement

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- Submission of nationally determined contributions (NDCs) by all Parties and global stock take
- Reporting by/ review and multilateral consideration of each Party on a **biennial** basis (with the exception of LDCs and SIDS)
  - a) Progress with the implementation of NDCs
  - b) Progress with the provision/ receipt of support
  - c) Identification of capacity building needs
- Non- backsliding principle: annual reporting and review continues
- Outcome of the MRV as inputs to global stock take (aggregate progress)
- Submission of NDCs could be a separate process



# Impacts of MRV

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- Enhance transparency and accountability of Parties' climate action and support & build trust and confidence among Parties
  - a) Track progress of implementation and assess compliance (for KP Parties)
  - b) Inform the 2013 -2015 review (existing)
  - c) Inform global stock take (under the Paris Agreement)
- Improve Parties' reporting overtime and build capacities
- Share best practices in climate action and support



# Resource implications of the process

## Secretariat

### Coordination of reviews

- Provision of review officers
- Operational support: IT and non-IT tools
- Training of review experts

## Parties

### Main subject of MRV

- Compilation of reports
- Hosting in-country reviews and internal coordination
- Nomination and provision of review experts

## Review experts

### Perform reviews

- Time and resources to perform reviews and drafting review reports
- Participation in training activities

## SBI

### Platform for multilateral consideration

- Time allocated during the session for the multilateral consideration process



# An example of one IAR cycle

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- Annual GHG inventory reviews (in 2014)
  - a) Review of 43 Annex I Parties
  - b) Review of each Party takes around a week
  - c) Involvement of around 160 review experts
- Combined NC/BR reviews (biennial 2014-2015)
  - a) Review of 44 developed country Parties
  - b) Review of each Party takes around a week
  - c) Involvement of around 150 review experts
- Multilateral assessment (MA) under IAR (biennial 2014 -2015)
  - a) 4.5 days during the SBI sessions for the MA of 43 developed countries
  - b) Parties' participation in the process including a 3-month Q&A process





# Challenges

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- National system in place to fulfill the MRV requirements
- Efficiency of the process: costs vs benefits
- Well targeted capacity-building programmes (both on-going and the new CBIT) on MRV



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# Thank you

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