



# **MRV: What might this mean for commitments, actions & support**

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[www.oecd.org/env/cc/aixg](http://www.oecd.org/env/cc/aixg)

Annex I Expert Group  
on the UNFCCC

# Outline

- **MRV in the context of the Bali Action Plan**
- **MRV mitigation commitments and actions**
- **MRV mitigation support**
- **Cross-cutting issues:**
  - ◆ Linking mitigation actions and support
  - ◆ Common MRV metrics
  - ◆ Verification
  - ◆ Timing
- **Conclusions**

# MRV in the BAP

- **Measurable, reportable and verifiable**

Generally understood that BAP 1(b)(i) and 1(b)(ii) apply MRV requirements to:

- **Developed country mitigation commitments and actions**
- **Developing country mitigation actions**
- **Mitigation support in the form of finance, technology, and capacity building**

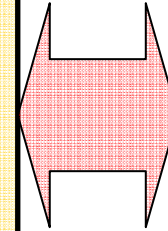
**Poznan =  
QELROs?**



Developed  
country  
mitigation

Developing  
country  
mitigation

Unsupported  
DC  
mitigation?



Finance

Technology

Capacity  
building



Adaptation

REDD

**Source: adapted from WRI – Rob Bradley & Hilary McMahon (Oct. 2008)**

# Benefits of MRV

- **Ensure accountability, recognition**
- **Help track GHG emissions & reductions**  
⇒ *necessary to achieve long-term target*
- **Enable enhanced access to carbon markets**
- **Build capacity & institutional knowledge**  
⇒ *contributes to assessment of effectiveness of policies*
- **Help identify gaps** ⇒ *mitigation potential, financing, technology & capacity development needs, etc. [registry, facilitative mechanism?]*

# Current MRV reqts: QELROs

- Current system set up for **monitoring**, reporting and **review** of QELROs
- Obligatory “national system” & inventories guidance
- Obligatory **reporting**
  - ◆ Annual domestic emissions
  - ◆ Adjustments for transfers/acquisitions
- Obligatory **review**
  - ◆ To “provide a thorough and comprehensive technical assessment”

**review =  
verification?**

➤ ***May need only a few changes to current system to MRV post-2012 QELROs***



# Current MRV requirements: GHG mitigation actions

- **Many different types of possible actions**
- **Current MRV-related requirements**
  - ◆ Focus on National Communications
  - ◆ Annex I Nat Comms reporting on actions: irregular, not comprehensive, non-quantified reports
  - ◆ NAI Nat Comms reporting on actions: most only 1 (no historical trends), report to extent capacities permit
  - ◆ CDM projects: more comprehensive, quantified impact on GHGs, review process



***Significant changes needed if post-2012 commitments/actions are not QELROs***

# MRV of mitigation actions: challenges

- **What to MRV?**
  - ◆ Input, intermediate outcome or GHGs?
  - ◆ For developing countries: all actions, or just those that are supported?
- **How to quantify? What to measure?**
- **Different MRV requirements for different country groupings, or actions?**
  - ◆ Evolution? Transition periods?
  - ◆ Impact on consistency, transparency
- **What is “verification” and who does it?**

# BAP & MRV of mitigation support

*"Nationally appropriate mitigation actions by developing country Parties in the context of sustainable development, supported and enabled by technology, financing and capacity-building, in a measurable, reportable and verifiable manner."*



# MRV & mitigation support: challenges

- **What types and sources of mitigation support subject to MRV?**
  - ◆ Public *and* private?
  - ◆ Mitigation-specific *and* mitigation-relevant?
  - ◆ From developed *and* developing countries?
  - ◆ How to acknowledge support for enabling environments?
  - ◆ Technology? Capacity building?

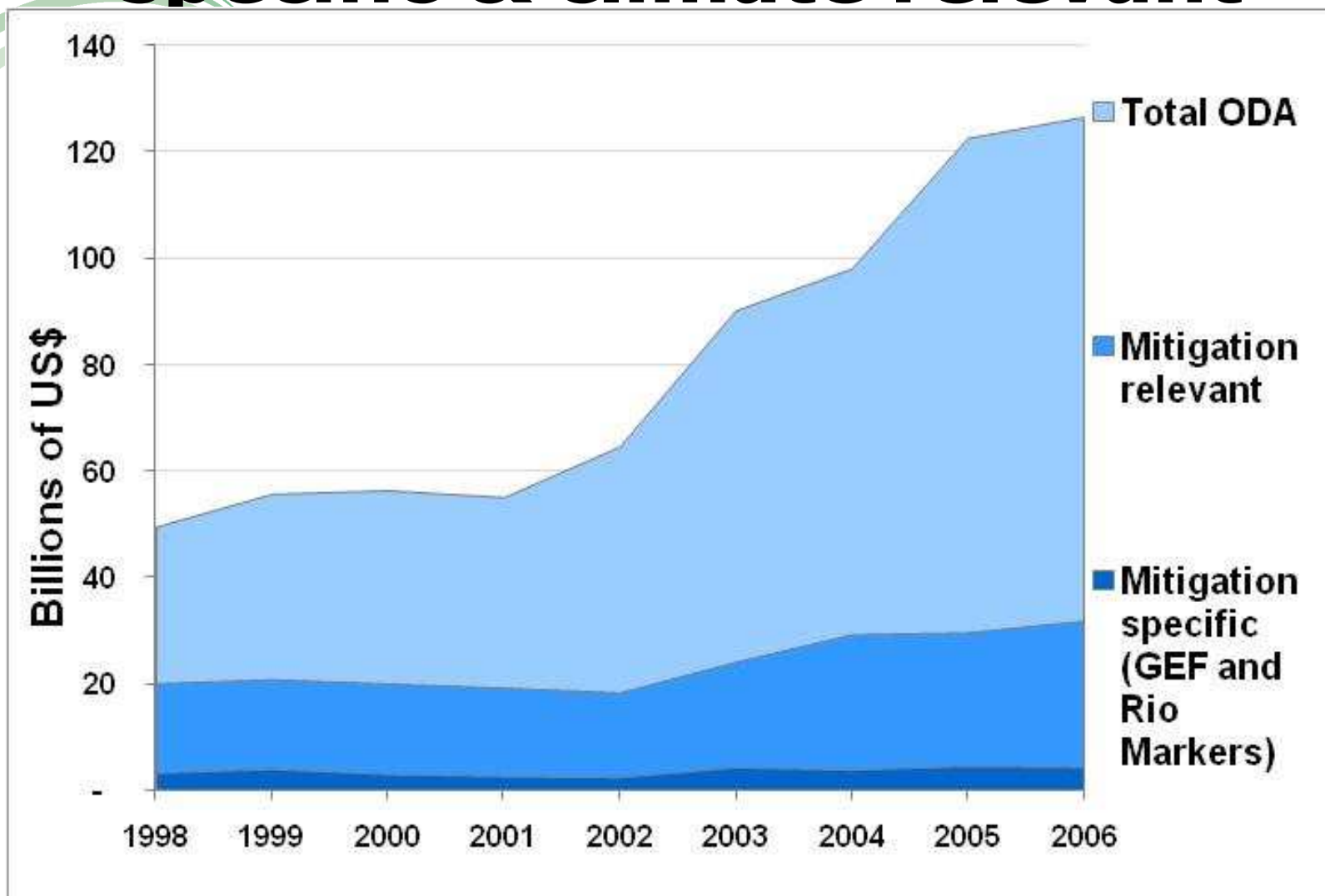
# Mitigation-specific support

- **2 different purposes:**
  - ◆ Actual GHG mitigation activities in developing countries as its main objective
  - ◆ Fulfillment of reporting requirements and assessments
    - GHG inventories, national communications, Technology Needs Assessments, National Capacity Self Assessments.
- Could also include public and/or private support pertaining to the **CDM**

# Mitigation-relevant support

- ◆ **Public and private investments in key sectors that will shape future emissions in developing countries**
  - Energy, transport and water infrastructure, industry, waste management, agricultural or forestry sector
- ◆ **These investments can have both a positive or negative impacts on GHG emissions.**

# ODA commitments: climate-specific & climate relevant



**Source:** B. Guay (per comm), based on OECD CRS

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# MRV for technology & capacity building

## Technology metrics:

- ◆ Installation of specific technologies?
- ◆ Patents registration?
- ◆ EGTT : developing performance indicators to evaluate effectiveness of tech transfer (August 2009)
- ◆ Link to Technology Needs Assessments

## Capacity building metrics:

- ◆ Build on capacity building under KP and UNFCCC
- ◆ Qualitative reporting? [not measuring?]

# MRV issues to be resolved (1)

## Linking action and support

- **Conditional link between MRV of support and MRV of mitigation actions for developing countries?**
- **If so, how would this be reflected in an MRV framework?**
  - *M & V all NAMAs, or just those liable for support? [may still wish to R]*
  - *MRV all support, or just those directly linked to NAMAs?*

# Issues to be resolved (2)

## Common metrics

- **Common, standardised metrics for MRV or “nationally appropriate”?**
- **If common, should all countries (or groups of countries) report using the same metrics (or choose from a predetermined list of options)?**
- **Could there be evolving scale of MRV activities (e.g. based on capacity)?**

# Issues to be resolved (3)

## Verification

- **Apart from CDM, currently no verification of NAI actions (nor review of NCs)**
  - ◆ Could existing AI NC review system be extended (actions and support)?
- **Without some verification, can MRV result in comparable and reliable information?**
- **Would introduction of new crediting mechanisms for developing country actions require a higher standard of verification?**

# Issues to be resolved (4)

## Timing

- **What issues should be agreed by Copenhagen and what can be left for follow-on agreements?**
- **What are the data/analysis/capacity needs pre- and post-Copenhagen?**

# Conclusions: Actions & Commitments

- **Considerable Annex I experience relevant to MRV of QELROs gained under the KP**
- **Current MRV of actions is patchy, significant variation within Annex I/NAI**
- **Many aspects of MRV need clarifying:**
  - ◆ What does it entail (scope, scale)?
  - ◆ Who does it? When?
  - ◆ Different between country groups, types of action?
  - ◆ Do you M & R & V all?

# Conclusions: Support

- **MRV & Financing:**

- UNFCCC financing only or other financing too (ODA, CDM, etc.)? Public & private?
- Mitigation-specific or also mitigation-relevant?
- From developed and developing countries?

- **Technology & Capacity building**

- What metrics to use?

- **MRV of all support, or only when linked to mitigation actions?**



# Conclusions: General

- **Use current reporting as basis (KP and UNFCCC)**
- **KISS (keep it simple, stupid) ⇒ don't M&R&V unless needed**
- **Build towards comprehensive & harmonised reporting**
- **Actions ⇒ ultimately want to know outcomes (GHGs)**
- **Support ⇒ consider carefully purpose & then decide what need to MRV**