

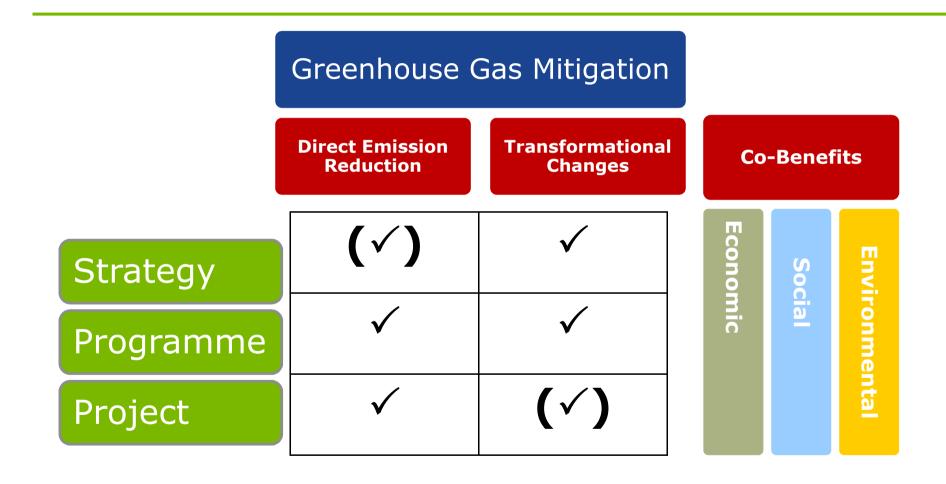
**MRV** Experiences

Santiago de Chile, 24 July 2012

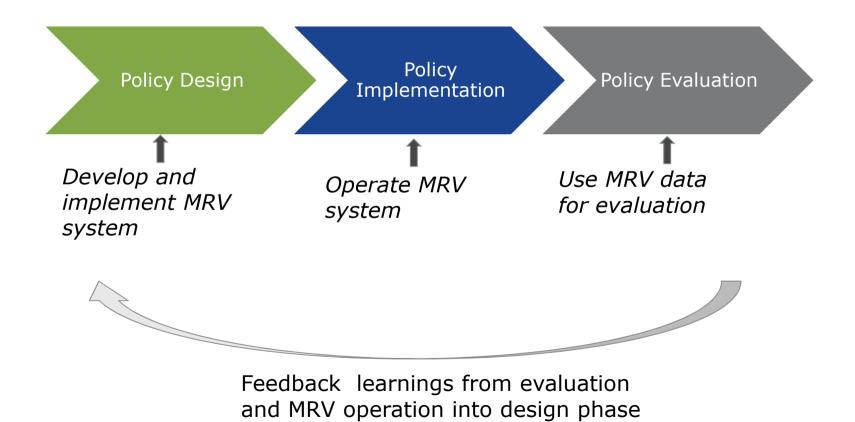
### Overview

- General considerations
- National inventories
- EU Emission Trading System
- Offsets and voluntary protocols

### Potential Impacts to be MRVd



# MRV in the Policy-Lifecycle



#### National inventories

#### A national GHG inventory provides:

- Approaches for emission estimation incl. the consideration of uncertainty
- Data collection approaches and sources
- Information on emission developments over time
- Assumptions on structures, behaviour for certain areas, esp. where models are used for emission estimation
- Experience on best practices with regards to approaches/assumptions
- A verification approach using international experts
- An institutional structure for data collection, evaluation, reporting
- Existing communication structures to data sources
- MRV capacity!

### Experiences made

- Despite common requirements through UNFCCC/IPCC every inventory is different!
- Inventories are "living" systems inventories have to change as national circumstances change
- The inventory review approach leads to a valuable bilateral experience exchange between reviewers and inventory compilers

#### MRV under the EU-ETS



- Installation level monitoring of CO2 (also N2O and PFCs from 2013)
- Reporting to competent authorities annually
- Reporting tools differ among EU Member States
- Third party verification through accredited verifiers

Continuous learning experience for competent authorities, operators, verifiers, accreditation bodies!

## EU ETS MRV: Main Learnings

- Start with simple but consistent MRV and build up over time
- Develop the system further through evaluation of experiences
- Foster communication between all parties involved to ensure a common understanding and identification of improvement potential
- Use templates and guidance with examples to ensure harmonised implementation
- Set up stringent enforcement system for operators and verifiers
- Every answer you give raises several new questions!

## Further MRV Systems

- Offsetting mechanisms, e.g. CDM:
  - Elaborate baseline methodologies and emission estimation methodologies
  - MRV approaches very specific to the project
  - Experience on stumbling blocks
- Voluntary MRV at corporate level
  - E.g. GHG Protocol, Carbon Disclosure Programme, WWF Climate Savers
  - Provides a basis for MRV in obligatory systems, but do not expect too much!

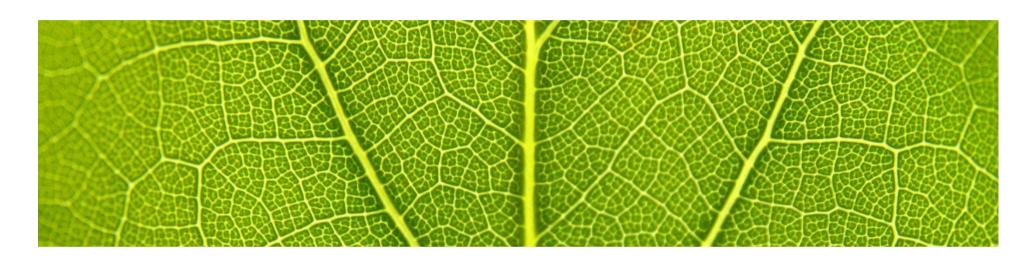


### Summary

- Many experiences with MRV already exist at the international level
- The MRV approach has to be specific to the policy and its target
- MRV systems should foresee further development over time based on experiences made during their operation
- Enforcement is a relevant component of an MRV system



### Thank you!



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