



UNFCCC Side Event

Compendium on GHG Baselines and Monitoring

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Partnership for Market Readiness (PMR)

The PMR provides support to countries to design and implement a range of climate change mitigation policies and cost-effective measures – including carbon pricing instruments – in order to scale up GHG mitigation.

Supported activities

- Provide grant funding to improving technical and institutional “readiness”, including work on GHG registries; Monitoring, Reporting and Verification (MRV) systems, data collection and management tools, and regulatory frameworks
- Support piloting and testing of innovative market instruments (e.g., emissions trading schemes (ETS), carbon tax and new crediting mechanisms)
- Provide a platform for technical discussions and knowledge creation, country-to-country exchanges, and collective innovation on new market instruments
- Share lessons learned & best practices with the International community

Participation

- Participants include:
 - 19 developing countries/emerging economies & 13 countries that donate financially



PMR Objectives

Provide grant funding to build policy, regulatory and institutional readiness for GHG mitigation

Pilot cost-effective instruments (e.g., domestic emissions trading schemes, carbon tax, new crediting mechanisms)

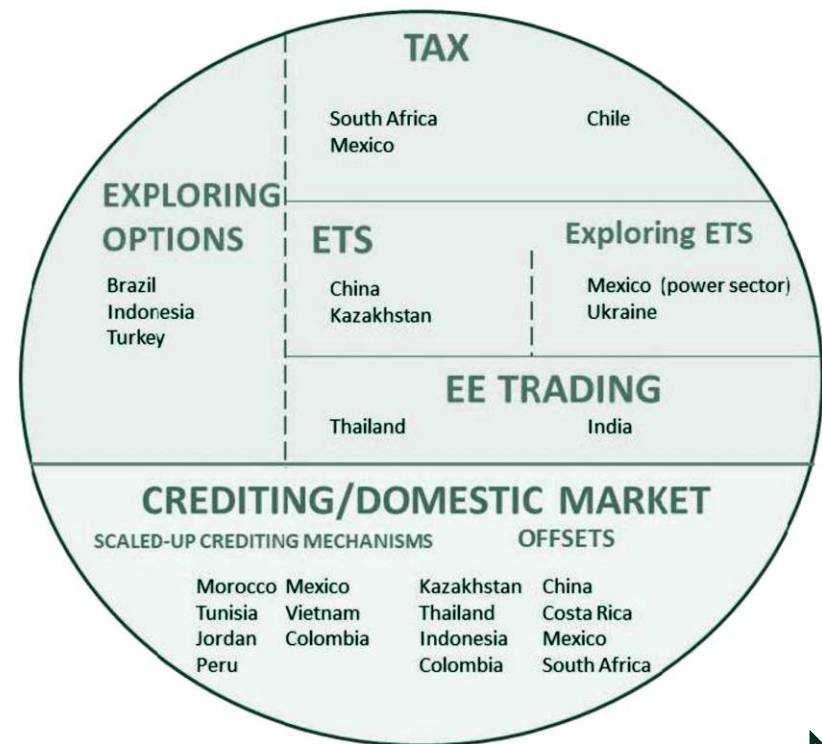
Provide a platform for technical discussions,
South-South exchange, and collective innovation

Create and share lessons learned and best practices

PMR Scope

◆ Scope of the PMR has also evolved over time, now focuses on

1. *Emissions Trading Schemes*
2. *Carbon Taxes*
3. *Scaled-up Crediting*
4. *Offsets*



Readiness

Implementation

PMR Technical Work Program

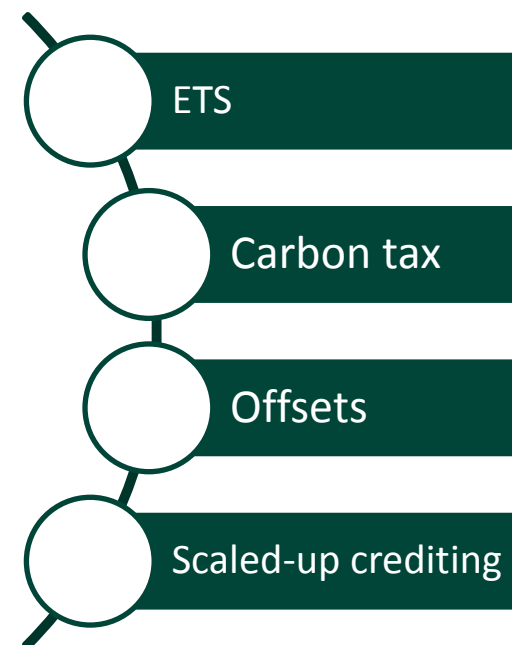
OBJECTIVES

- ◆ Facilitate experience and knowledge sharing
- ◆ Develop practical guidance on common issues
- ◆ Identify good practice and common standards
- ◆ Build capacity

COMPONENTS

Mechanism design
MRV
Data management and registries
Baselines/benchmarks
Stakeholders engagement and preparedness
Governance & institutions
Linking
Use of revenue
Allocations/exemptions
Trading infrastructure and oversight
Compliance and enforcement

MECHANISMS



Knowledge
Products

County-to-
Country
Exchange

Technical
Workshops

Technical
Trainings

Web-based

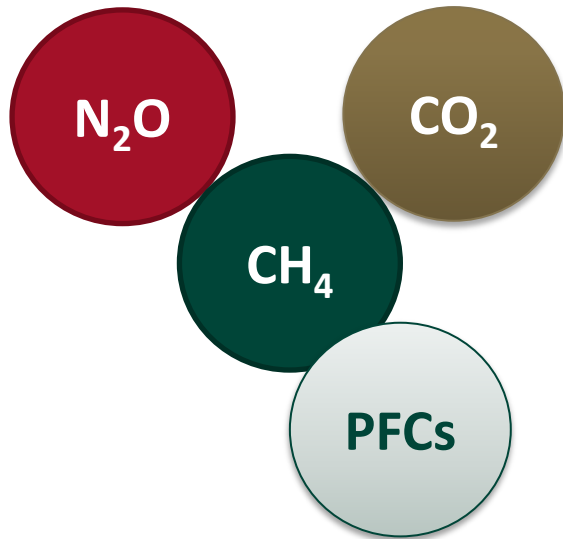
Compendium on GHG Baselines and Monitoring

- ◆ PMR is leading two chapters
 - Manufacturing industries & construction
 - Cross sectoral activities
- ◆ Work on manufacturing & construction chapter started
- ◆ Expected to be ready by September 2016
- ◆ Purpose
 - Different baseline approaches are needed for different purposes
 - Provide options for baseline approaches and discusses their pros and cons on different levels of aggregation and under different national circumstances

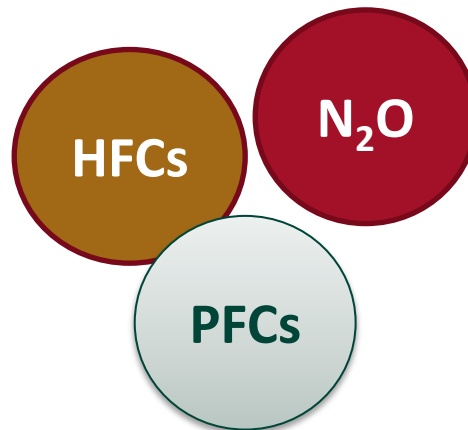
Manufacturing & construction:

Emission sources

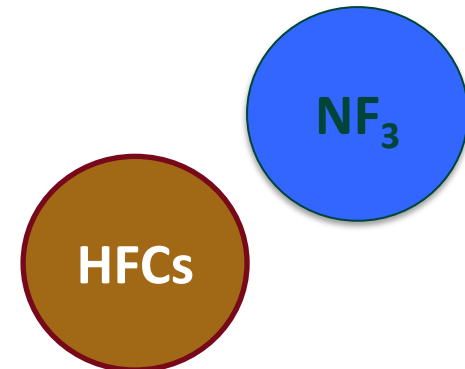
Transformation of
materials
(Chemically or
physically)



Use of greenhouse
gases directly in
the production
processes



Use of greenhouse
gases in
Special processes



Manufacturing & construction:

Categorization of mitigation actions

Energy Efficiency

- Use of more efficient equipment
- Improve processes

Fuel switch

- Use Renewable energy
- Use of waste gas
- Use of Cleaner fossil fuels

Change in feedstock

- Use of non-GHG feedstock
- Clinker, ammonia, etc.
- Use of renewable energy

Abatement of emissions

- N₂O in nitric and adipic acid
- SF₆ and PFCs in semiconductors

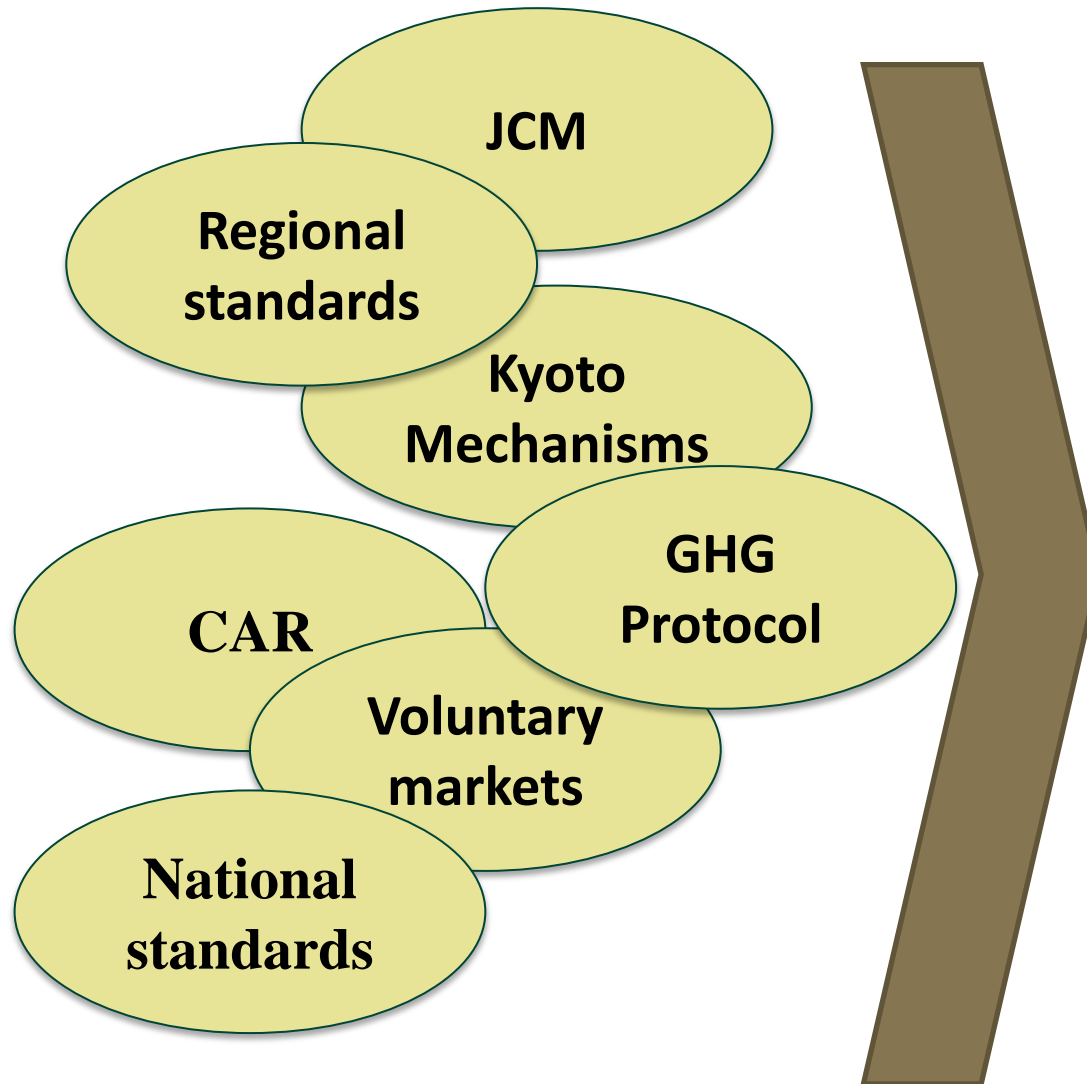
Material recovery

- Recover metals
- Recovery of materials during process

Manufacturing & construction: Levels of analysis

- Project/installation/facility level
- Intermediate level: aggregated/sub-sector
 - E.g. Installation of new biomass boilers for all residential, commercial and industrial sectors
- National level
 - E.g. National industry energy efficiency programs
 - E.g. National standards to promote EE measures in Industry

Structure of analysis of baseline approaches



Analysis of Information

- ☐ Drivers for emissions
- ☐ Boundaries of the actions
- ☐ Identification of emission sources
- ☐ Assumptions used
- ☐ Identification of baseline scenario
- ☐ Data availability
- ☐ Calculation of baseline emissions
- ☐ Monitoring
- ☐ Uncertainties
- ☐ Example

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