

**MINISTRY OF ENVIRONMENT AND URBANIZATION  
GENERAL DIRECTORATE OF ENVIRONMENTAL MANAGEMENT**



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# Aim of the Presentation

- Update on Turkey MRV
- Update on the implementation of PMR Turkey Project
- Share experiences

# Turkish MRV

- By-law on MRV first adopted in 2012
- Revised and republished in May 2014
- Communiqué on «Monitoring and Reporting» published in July 2014
- Communiqué on «Verification» published in March 2015
- Full compliance with EU ETS by end of 2019

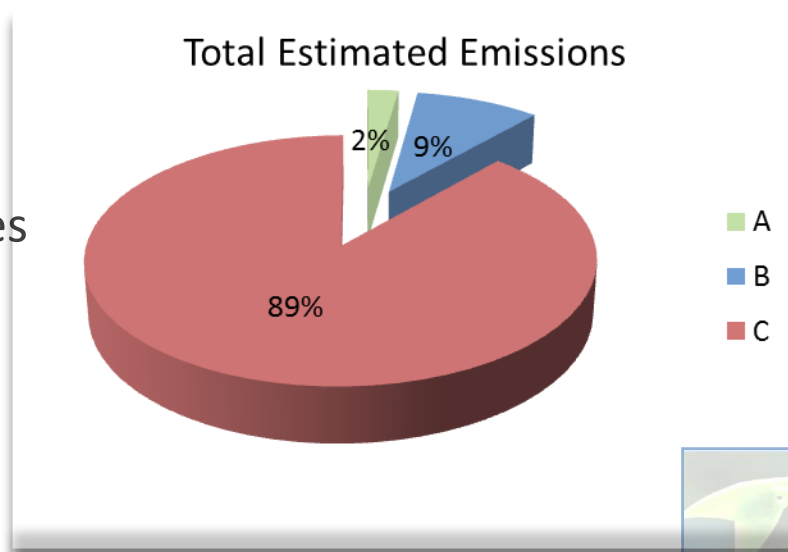
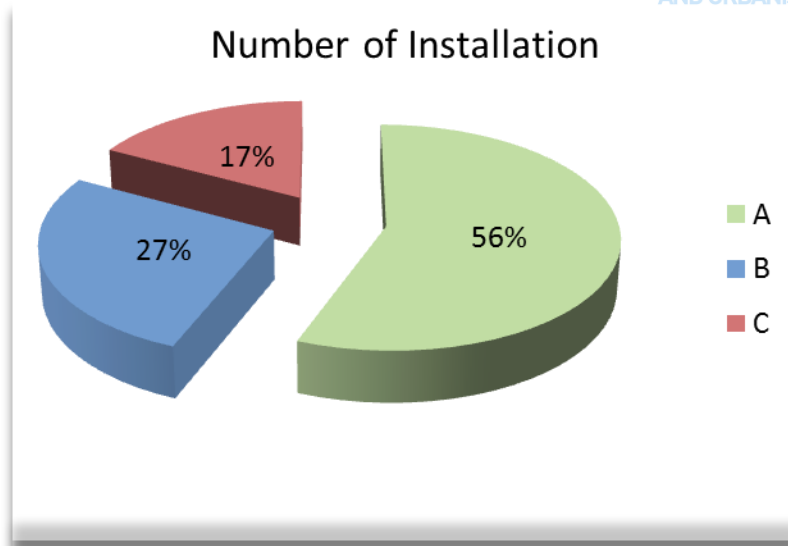
# MRV Sectors (same as EU ETS)

- All sectors over +20 MW combustion capacity
- Refinery
- Aluminium production
- Iron-steel production
- Klinker production
- Lime
- Bricks
- Glass
- Ceramics
- Pulp
- Chemicals and fertilizer production

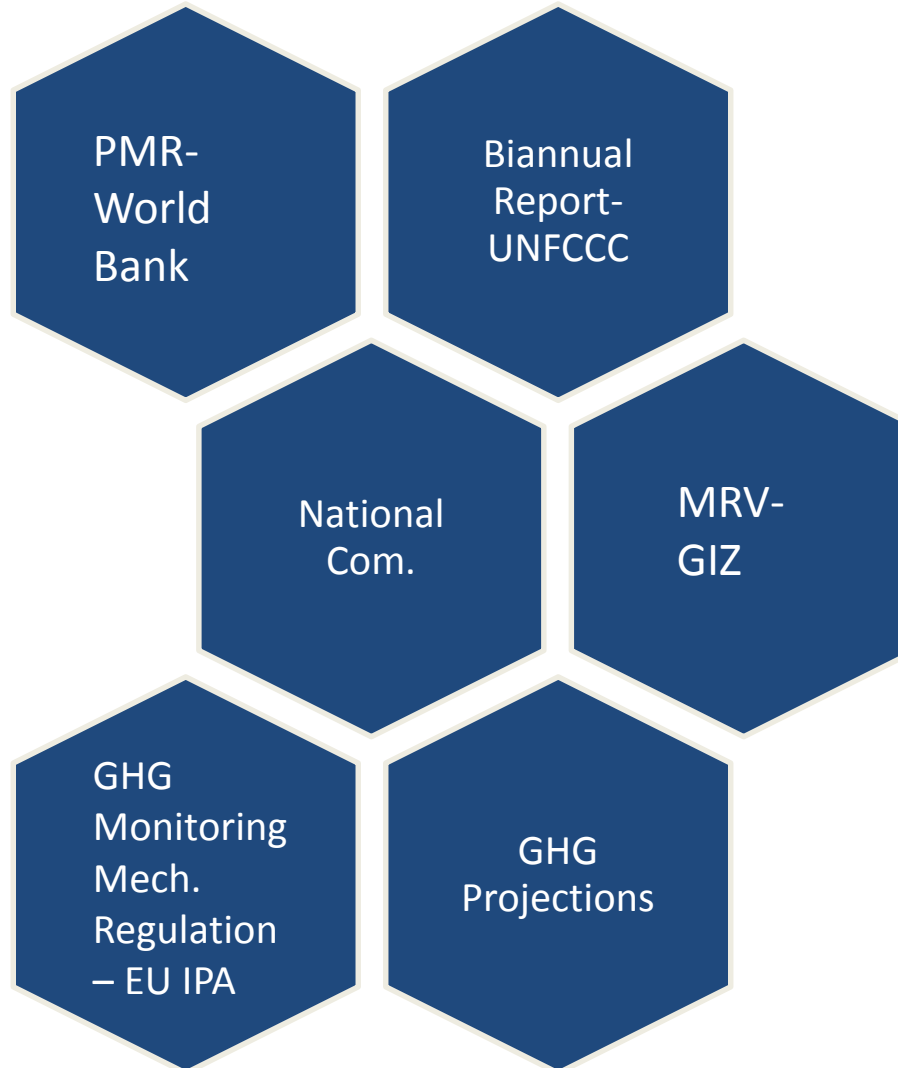
# Early Figures

Installation Category	Number of Installation	Total Estimated Emissions (M Tonnes CO <sub>2</sub> )
A (<50,000 tCO <sub>2</sub> )	326	6
B (50,000<x<500,000)	156	24
C (>500,000)	100	230
Total	582	260

- Turkey's GHG emissions= 460 M Tonnes (NIR, 2013)
- PMR link to MRV are pilot projects



# Other projects under MoEU



# About PMR Turkey

- Turkey is at a «pre-decision» stage on the choice of policy options and market-based mechanisms.
- Turkey's MRP includes a series of analytical studies that are aimed at producing a policy options and recommendations document for the consideration of policy makers.
- Enhancing policy dialogue and collaboration with policy/industry stakeholders

## Results Framework

Project Development Objective Indicators	
Indicator Name	Description (indicator definition etc.)
Piloting of the MRV system in the electricity sector	The indicator measures whether Turkey's greenhouse gas monitoring, reporting and verification (MRV) system is piloted among installations within the electricity sector by the end of 2015.
Submission of a Carbon Markets Policy Options Document to the CBCC	The indicator measures whether a policy options document on carbon market policy instruments is submitted to the CBCC for its consideration by March 2017.

# Project Components in Brief

1-MRV Pilots

Consideration  
of ETS

Other  
MBIs in  
other  
sectors

2- Policy  
White Paper  
(Synthesis  
Report)

Modelling

3-Comms,  
Trainings,  
Meetings etc

**Component 1: Piloting MRV procedures and practices in the electricity, cement and refinery sectors, seeking broader engagement with other relevant stakeholders (e.g. accreditation bodies, verifiers etc.)**

Monitoring Reports- Emission Reports	Cement 5 installations	Contract signed: September 2014 Completed: December 2015 FutureCamp (Germany)+ LifEnergy (Turkey)
	Refinery 1 installation	Contract signed: February 2015 Expected completion: June 2015 Carbon Limits (Normay)+ GAIA CF (Turkey)
	Electricity 18 installation	Contract signed: February 2015 Expected completion: June 201 INERCO (Spain) + IO Env. Solutions (Turkey)
Preparation of Verification Reports	All pilot installations	At contract stage. To start in June 2015 TÜV Rheinland, Germany



## Component 2: Conducting analytical studies to inform decision making on the use of MBIs

<p><b>(i) Study on consideration of ETS for the MRV sectors with a detailed analysis into piloting ETS within the electricity sector</b></p>	<p>ToR is under preparation Expected to start in September-October 2015 Project timeline: 9-12 months</p>
<p><b>(ii) Recommendations for selection of MBIs and modeling for sectors covered and uncovered by the MRV regulation</b></p>	<p>Stakeholder consultation is needed (1-16 June 2015) EoI ads in early July Expected to start in October- November 2015 Project timeline: 9-12 months</p>
<p><b>(iii) GHG Market Modeling Outcomes for selected sectors covered and uncovered by the MRV regulation.</b></p>	<p>ToR will be prepared after (i) &amp; (ii) Expected to start in October – November 2015 Project timeline: 9-12 months</p>
<p><b>(iv) Synthesis report “for Coordination Board on Climate Change (CBCC).</b></p>	<p>«Market-Based Instruments – Policy Options» Expected to start in April-May 2016 and to end in March 2017</p>

**Component 3:** Carrying out stakeholder training, consultation engagement and public awareness activities, including: (i) conferences and workshops to support the activities under Parts 1 and 2; (ii) consultation meetings with stakeholders; and (iii) public awareness activities (media, high level public/private meetings, etc.).

- Continuous throughout the project
- Will shape more specifically depending on needs
- One-two international conference
- National/ International roundtable meetings for sectors & decision-makers
- Translation of WB reports and other sources

# Challenges and lessons learned

Contracting

Took longer due to TR regulation that obliges JVs to set up real entities

Local  
expertise

- Important for smooth communication with facilities
- Accessing to local expertise was challenging

ToR  
preparation

There is a lot good literature about ETS. How to go beyond it is a challenge

Role of PMR

Ensuring stakeholders that the PMR project is used to support decision making and not to make decisions.

Approach of  
Sectors

Important sectors take the stance of «wait & see», although very supportive compared to 3-4 years ago

Capacity  
building

Need to build capacity in Turkey at decision-making-level and among sectors on MBIs, ETS and int'l agreements

Electricity  
privatization

State-owned (EÜAŞ) facilities are prioritized due to privatization process

# Opportunities

Local  
expertise

Implementation of MRV regulation helped building this capacity slowly

Learning  
from Pilots

MRV Pilots helped build capacity, provided case for learning-by-doing and reflect improvements in the system (in registry, in guidelines...etc)

ToR  
preparation

Consulting to national and international Experts

Int'l/ Nat'l  
Context

Decision-makers more open

Relations  
with sectors

Ministry established very good relations with the sectors while developing regulations and supported them with trainings

Flexible MRP

Our MRP is prepared with a certain level of flexibility to reflect us domestic developments or new ideas (i.e; ETS in electricity or MRV)

# Additional Funding?

- Throughout the project, new necessities/ ideas occur
- INDC preparations
- Timeline is crucial
- We consider additional funding to realise:
  - ETS simulation in 2016
  - Study on impact of competitiveness and carbon leakage of ETS in Turkey and safeguarding mechanisms



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**Teşekkürler! Gracias!**