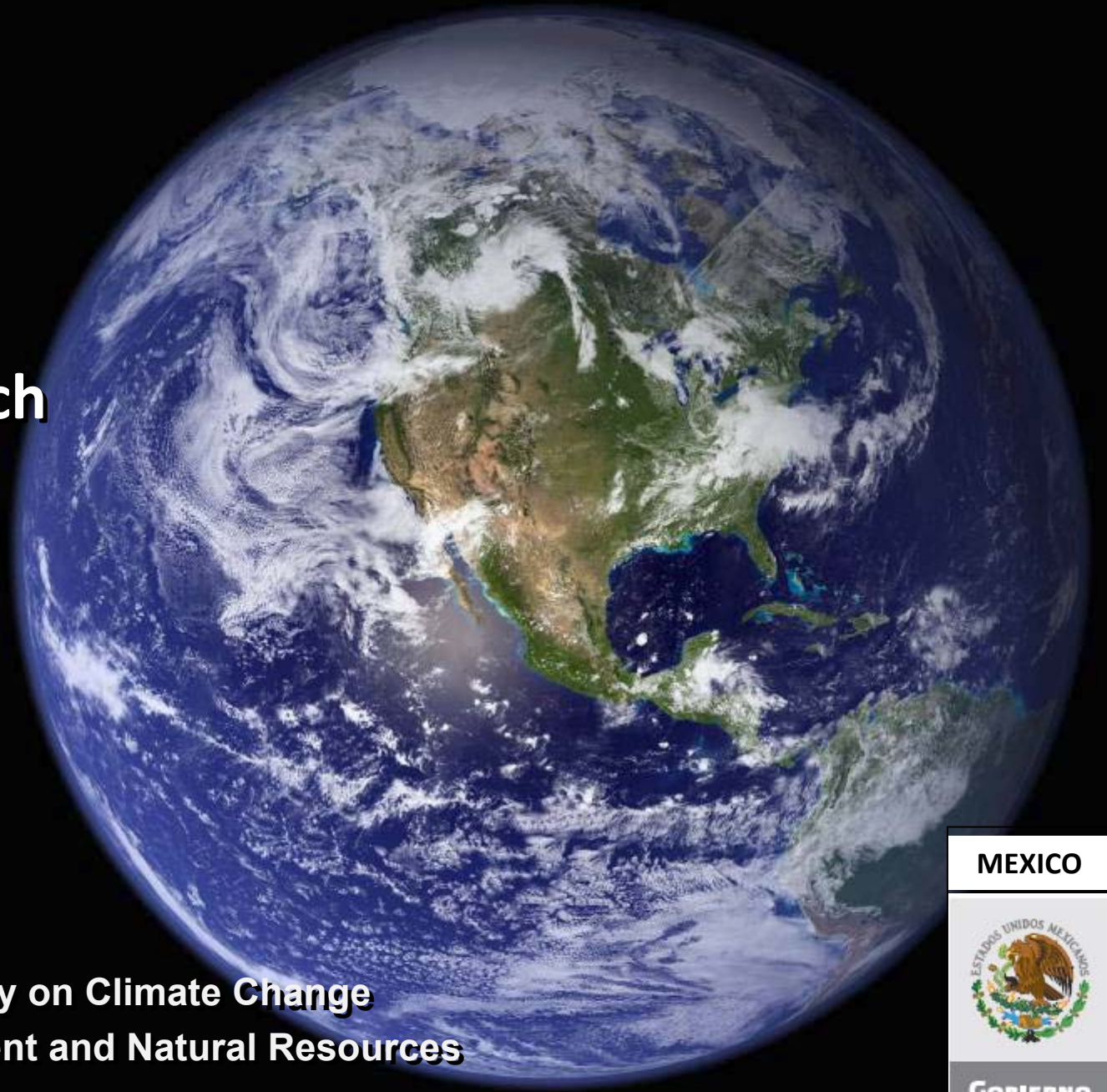# Mexico's approach on NAMAs

**Juan C. Mata Sandoval**
**Director General for Policy on Climate Change**
**Ministry of the Environment and Natural Resources**
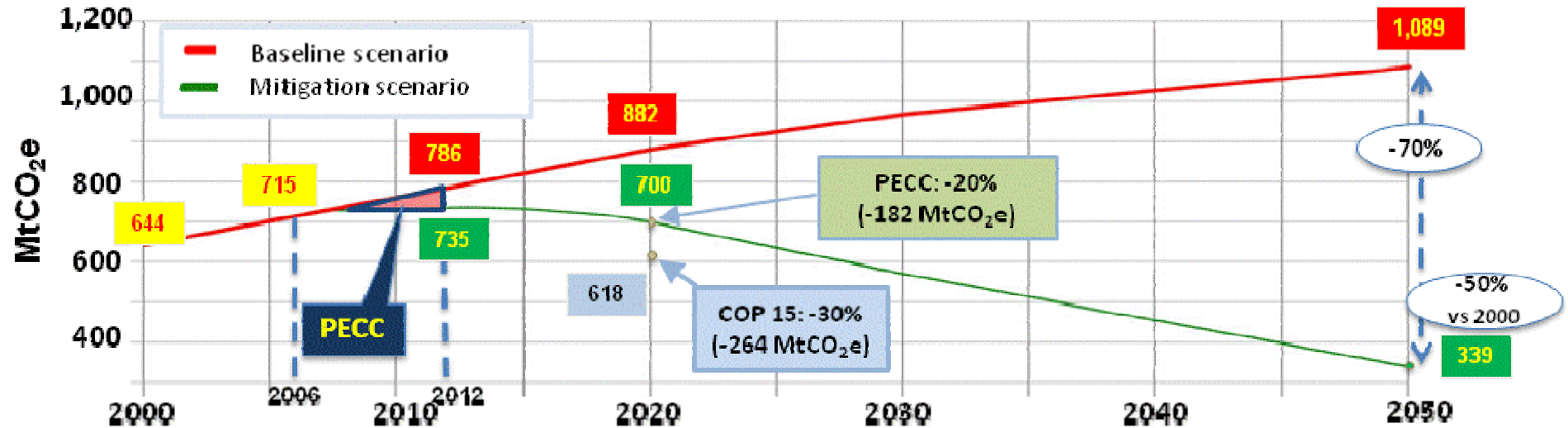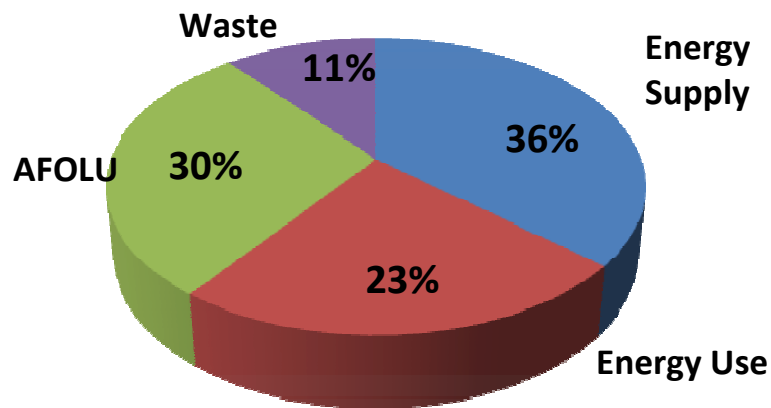**Mexico**

MEXICO

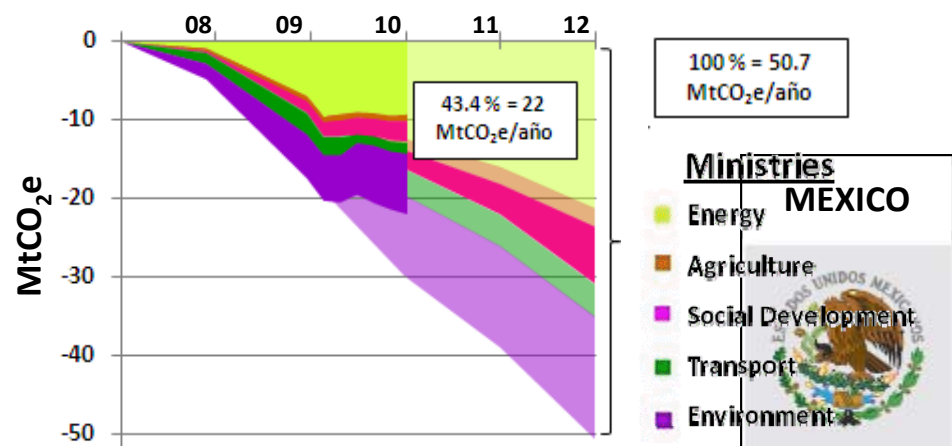GOBIERNO FEDERAL

# Special Climate Change Program (PECC)
# Long-term vision, and short term follow up



- Baseline scenario
- Mitigation scenario

MtCO$_2$e

1,200 / 1,000 / 800 / 600 / 400

644 / 715 / 786 / 882 / 700 / 735 / 618 / 1,089 / 339

PECC

PECC: -20% (-182 MtCO$_2$e)

COP 15: -30% (-264 MtCO$_2$e)

-70%

-50% vs 2000

2000 / 2006 / 2010 / 2012 / 2020 / 2030 / 2040 / 2050

**PECC's annual reductions by 2012: 50.7 MtCO$_2$e**



- Waste 11%
- Energy Supply 36%
- AFOLU 30%
- Energy Use 23%

**Up to December 2010: 22 MtCO$_2$e/year**



MtCO$_2$e

0 / -10 / -20 / -30 / -40 / -50

08 / 09 / 10 / 11 / 12

43.4 % = 22 MtCO$_2$e/año

100 % = 50.7 MtCO$_2$e/año

Ministries
- Energy
- Agriculture
- Social Development
- Transport
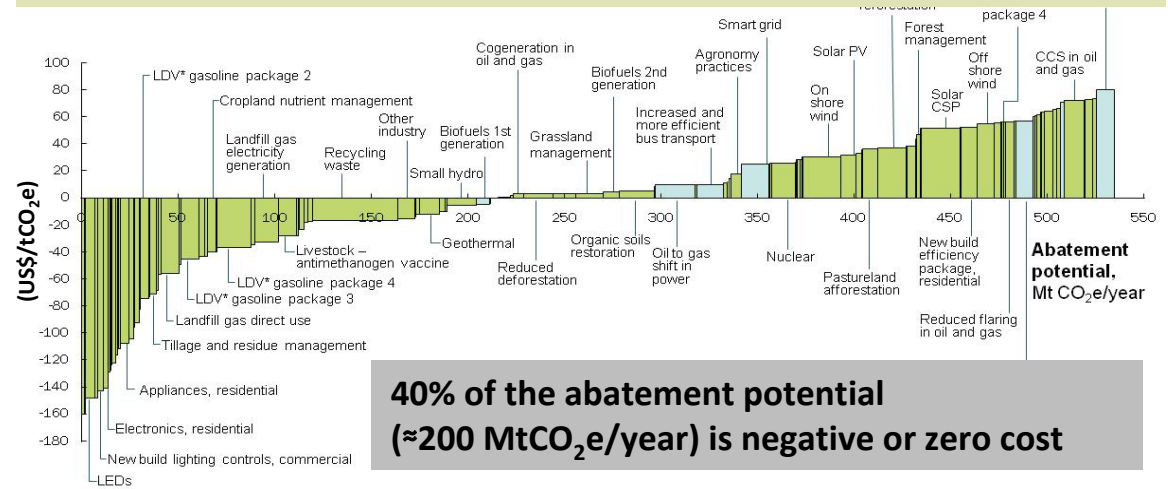- Environment

MEXICO

GOBIERNO FEDERAL

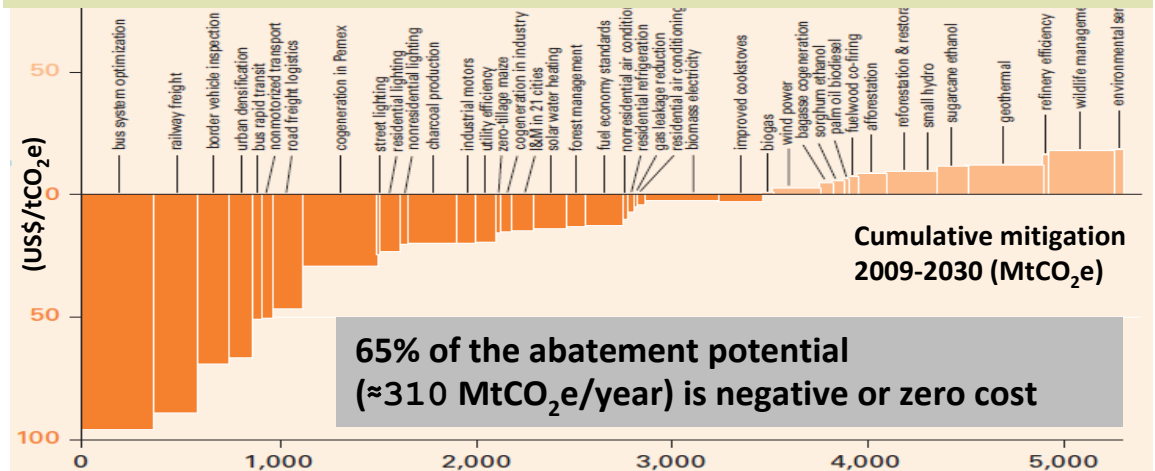# Marginal Abatement-Cost Curves for Mexico in 2030
## Project Catalyst and MEDEC Country Reports

- Mexico has already explored its mitigation potentials up to 2030

- Although a significant amount of those potentials seem to be cost-effective, the country is in need of solving certain barriers by means of:

  ➢ International funding to deal with high initial investment costs

  ➢ Tecnology transfer and tropicalization

  ➢ Global certainty through international agreements about country mitigation target settings in the long run

**Project Catalyst:  Abatement potential  of 535 MtCO$_2$e/year in 2030**



**40% of the abatement potential (≈200 MtCO$_2$e/year) is negative or zero cost**

**MEDEC:  Abatement potential  of 477 MtCO$_2$e/year in 2030**



**65% of the abatement potential (≈310 MtCO$_2$e/year) is negative or zero cost**

# Key mid term goals for
# 2020 - 2030

| SECTOR | ACTIONS / POLICY | IN PLACE |
|---|---|---|
| Power Generation | 35 % clean power capacity (include nuclear and large hydro) | 2024 |
| Energy End Use | 18% Reduction of energy demand (from baseline)<br>•National phase out of incandescent light bulbs (program and standard)<br>•Green mortgage for low income housing | 2030<br><br>2013<br><br>Full coverage  2020 – 2030 |
| Oil & Gas | Gas flaring reduction from 9.8% to 0.6% | 2009 – 2024 |
| Forestry | Net zero emission balance in forestry | 2020 |

# Potential NAMAs for Mexico

**Housing (SEMARNAT-CONAVI/Germany BMU)**

- Accelerate penetration of green mortgage package (100% by 2020)
- Upgrade energy efficiency technology package for Green Mortgage

**Transport (SEMARNAT-PROTRAM-CTS/Netherlands)**

- Accelerate penetration of Massive Public Clean Transport Systems
- Expand technology spectrum additional to BRTs (electric, hybrid, etc)
- Old units replacement and routes optimization in medium cities

**Cement Industry (SEMARNAT-CANACEM/CCAP)**

- Increase ashes/pozolan percentage on cement mix
- Increase use of biomass based fuels (WTP sludge)

**Iron and Steel Industry (SEMARNAT-CANACERO/CCAP)**

- Energy efficiency measures

# Basics for an MRV scheme in Mexico

**Tools and institutional arrangements available to build-up an MRV scheme**

### GHG Program (WBCSD-WRI)

- Voluntary report of GHG emissions
- IPCC methodologies applied

### RETC

- Mandatory report of GHG emissions
- Only applies for federal activities
- Verification of MR in progress

### SIAT-PECC System

- Online bimonthly registry
- Allows tracking of mitigation progress of PECC goals
- Third party verification of MR in progress

### Mexican Entity for accreditation (EMA)

- Certification protocol for verifiers in place

**MEXICO**

**GOBIERNO FEDERAL**

# ¡Thank you!

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