

#### TEMPERATURE GOALS PARIS AGREEMENT Holding the increase in Pursuing the global efforts to limit average temperature temperature to well below 2°C increase 1-500 MÉXICO Artista OLAFUR ELIASSON PRESIDENCIA DE LA REFUBLICA Artic Ice in Paris

# Mexico: first developing country to submit its iNDC & MCS ...

#### Mitigation:

Goal of 22% reduction of GHG and 51% of BC in our NDC 50% reduction by 2050 in the MCS

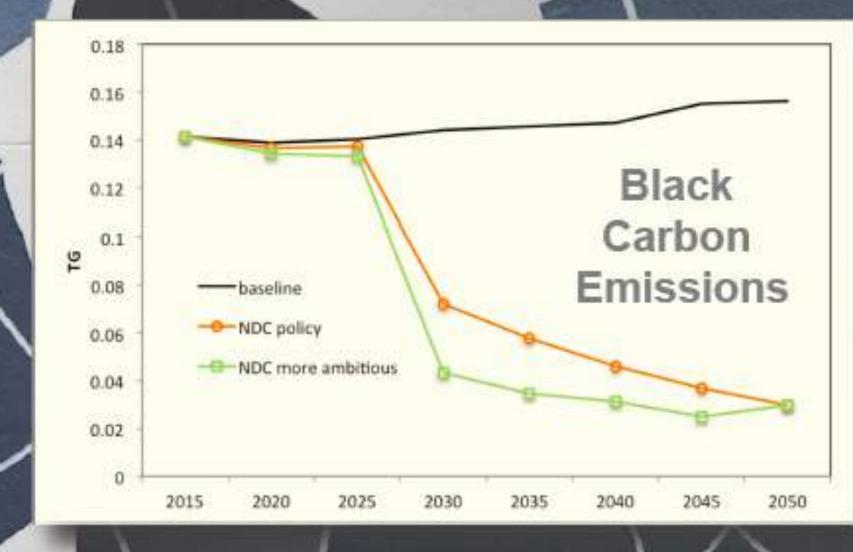
#### Adaptation:

Vulnerable population, ecosystems, infrastructure





#### MITIGATION strategies



Modeling results using the MIT EPPA model INECC, 2016

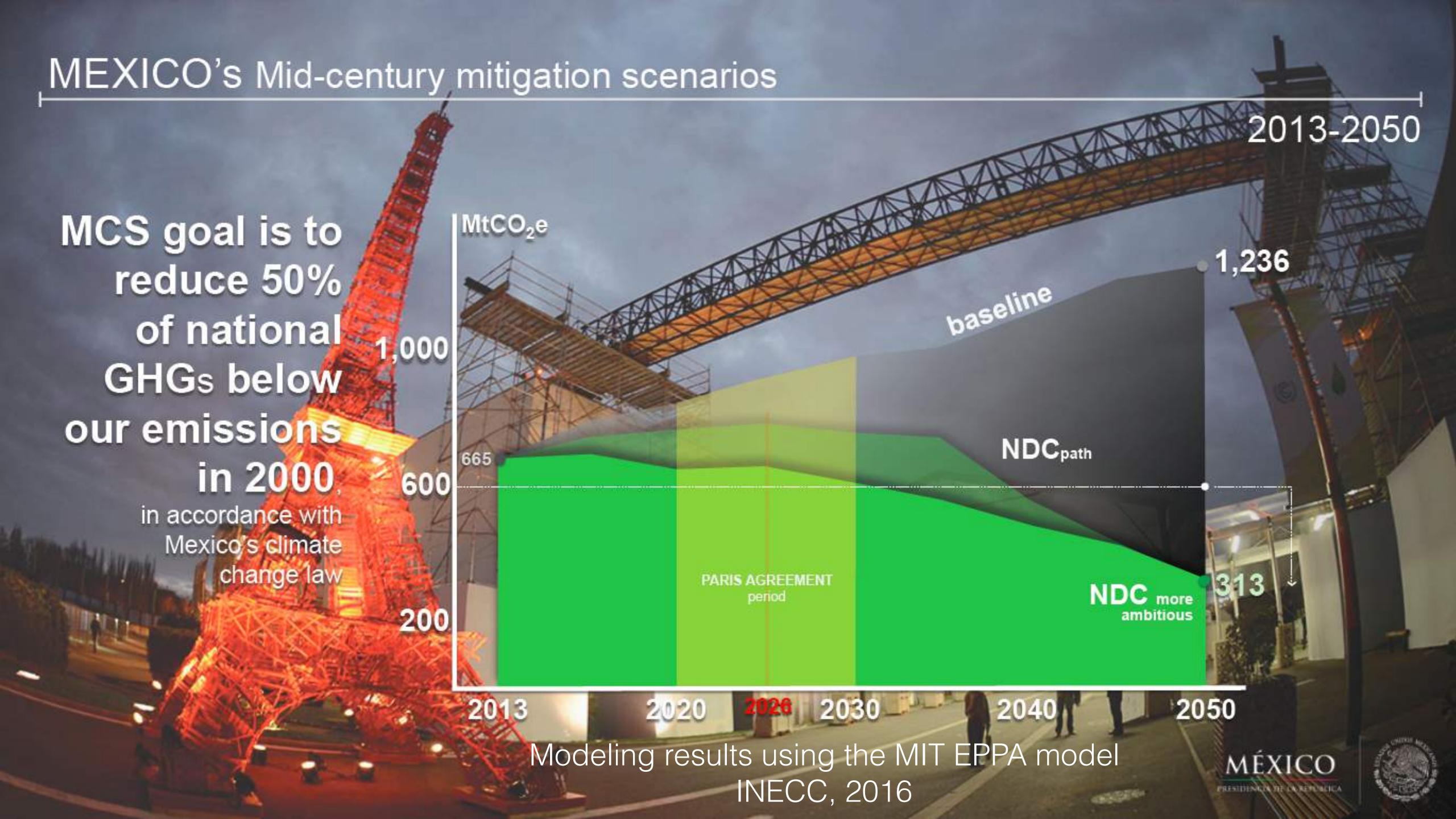
M4 Promote best practices in agriculture and forestry to increase and preserve natural carbon sinks

M5 Reduce emissions of Short-Lived Climate Pollutants (SLCPs) promoting co-benefits in health and well-being

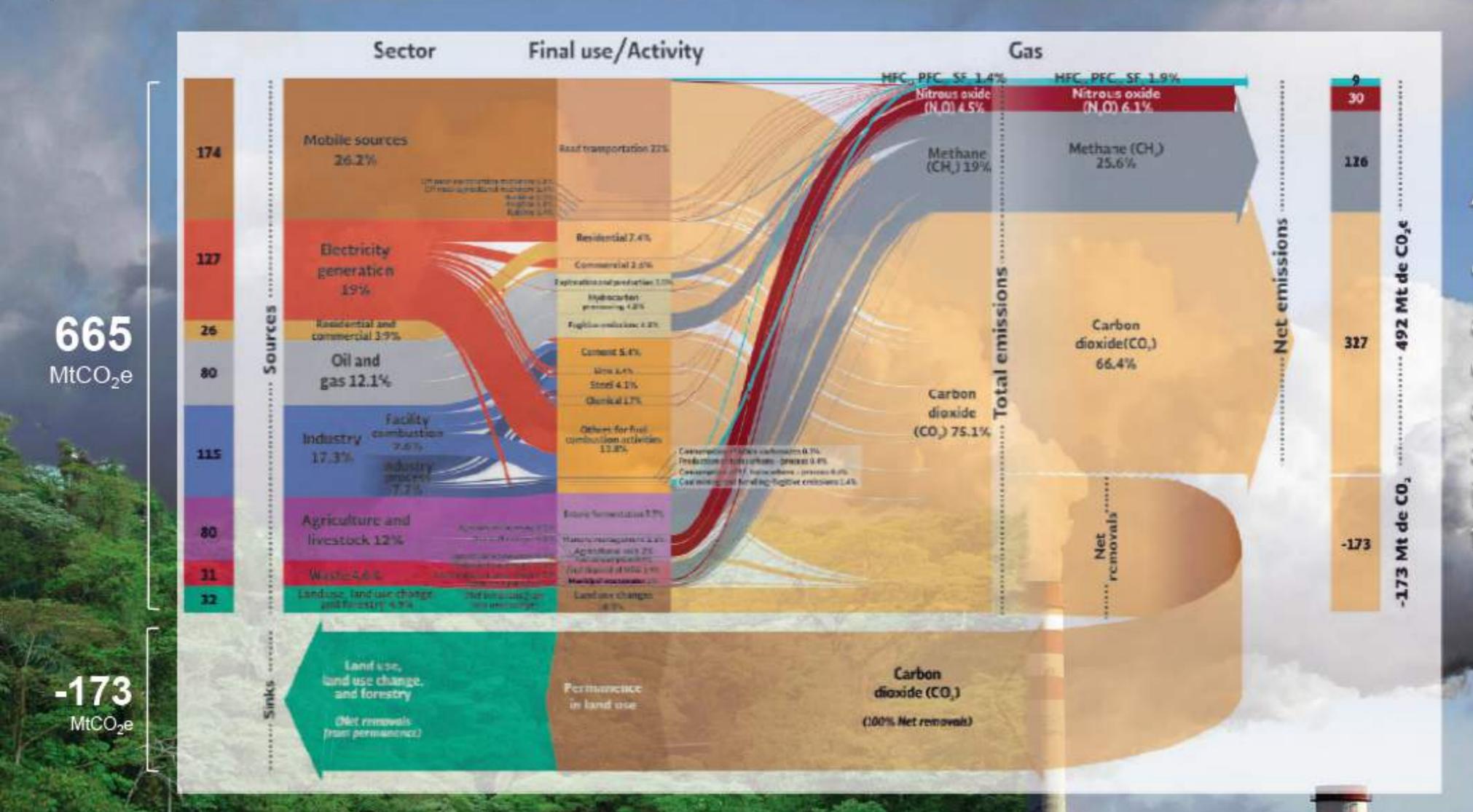
Artista ANDRECO Climate 01 École Communale de Garçons Ville de Paris







#### EMISSIONS INVENTORY 2013

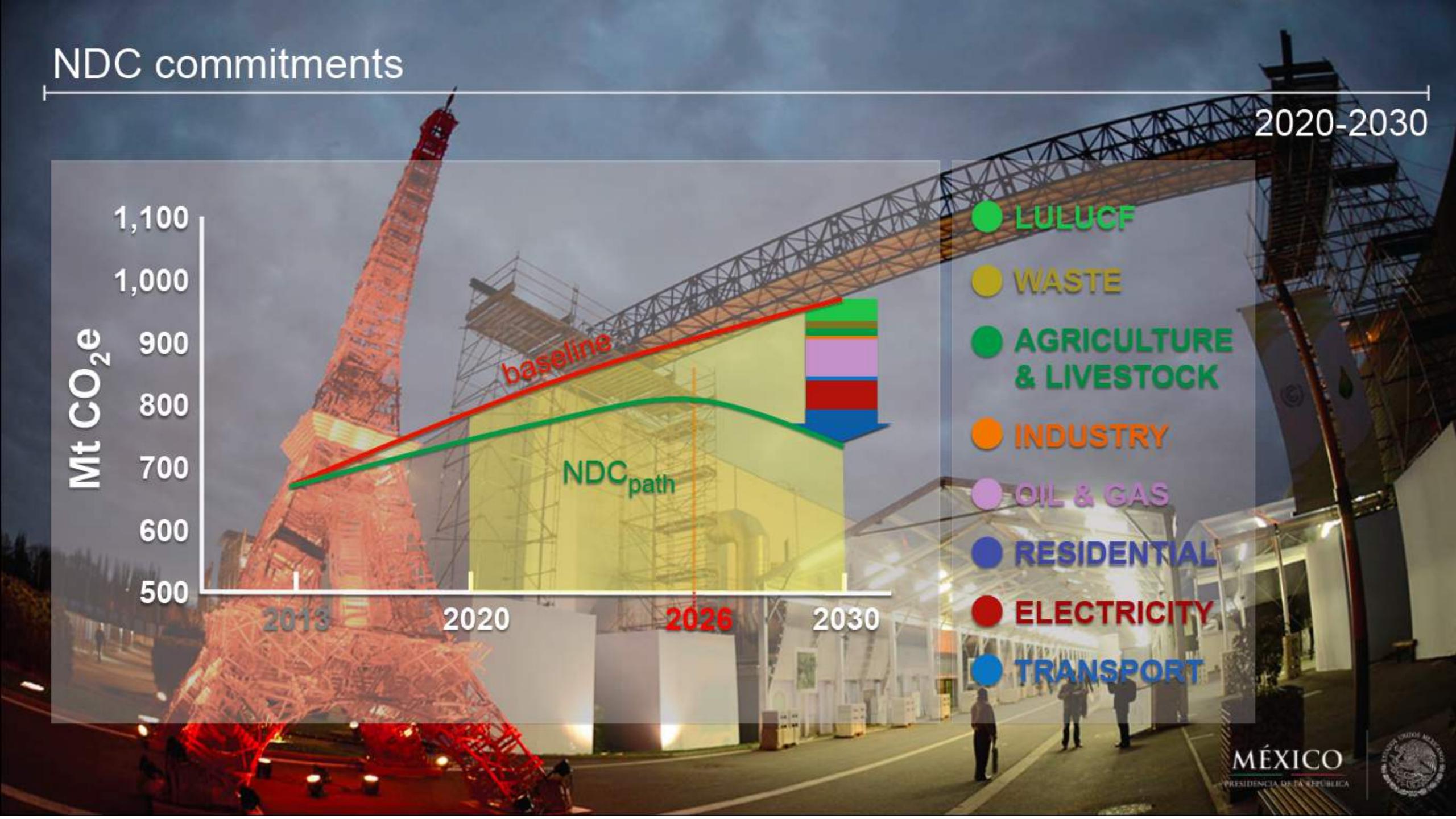


#### Article 4

"...balance between anthropogenic emissions by sources and removals by sinks and greenhouse gases in the second half of this century..."







### Public-private dialogues on Mexico's NDC

http://dialogos.cnds.inecc.gob.mx/



Ruta tecnológica para cumplir los CND en el Sector Eléctrico



Dra. Claudia Octaviano Villasana Coordinadora General de Cambio Climático y Desarrollo Bajo en Carbono

Diálogo Público Privado sobre CND en el Sector Eléctrico Ciudad de México, 11 de agosto de 2016





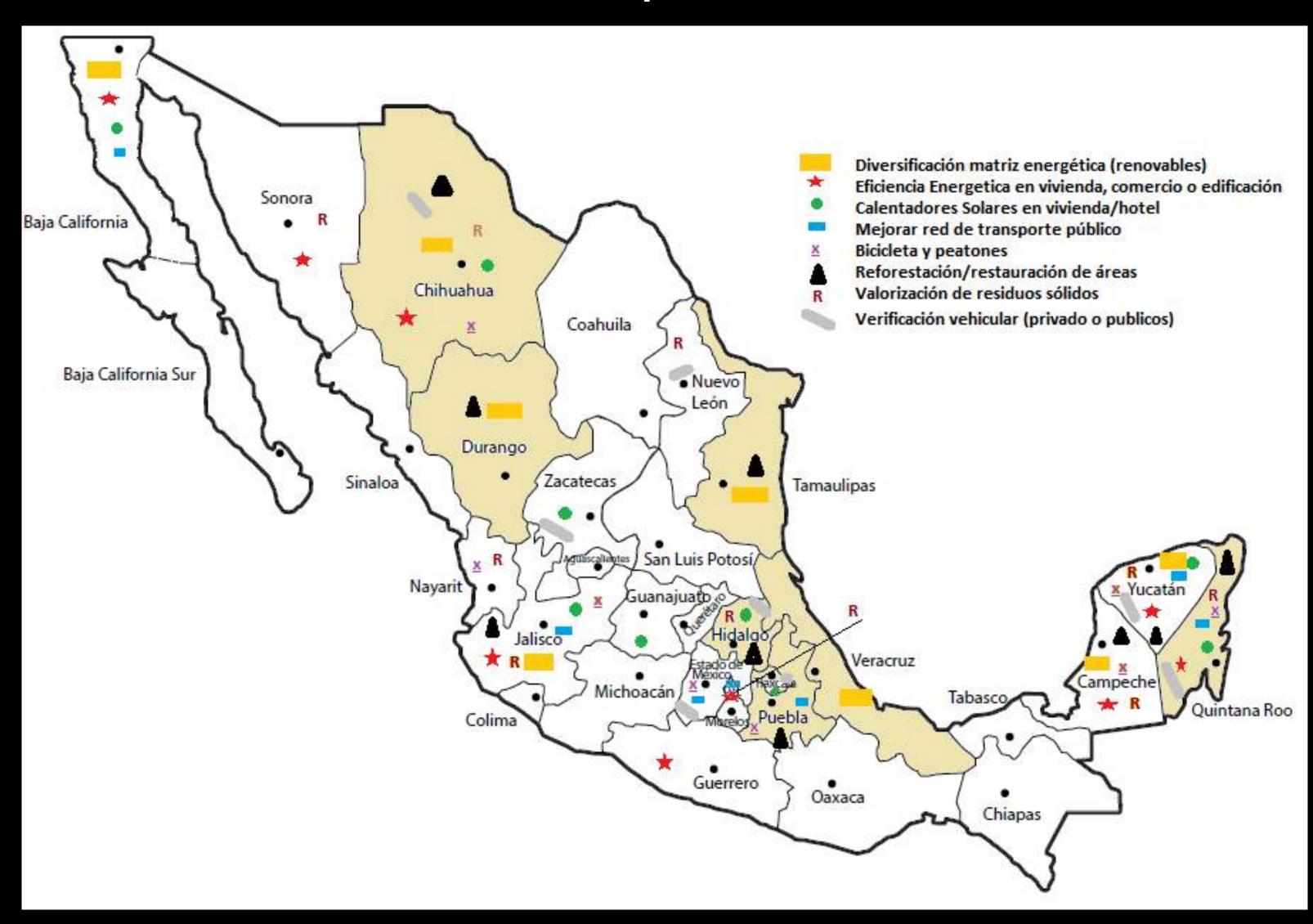


Diálogos Público-Privados sobre los Compromisos Nacionalmente Determinados

FINANCIAMIENTO DE PROYECTOS: BARRERAS Y OPORTUNIDADES

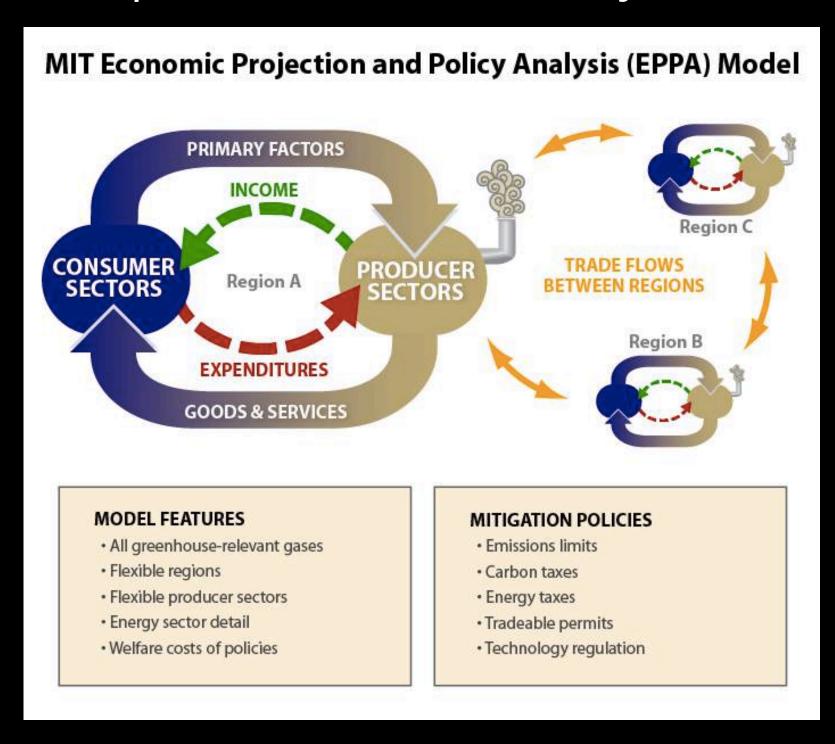


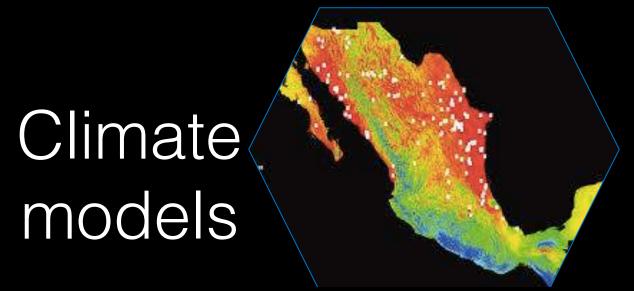
## Subnational Capacity Building Strategy for NDC implementation



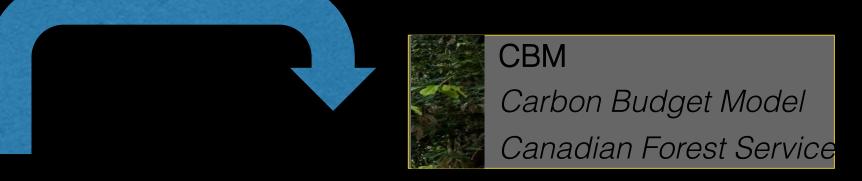
## Modeling tools

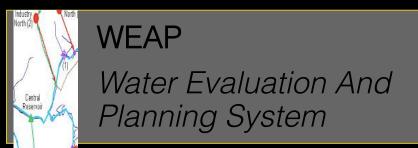
#### Top-down economy-wide





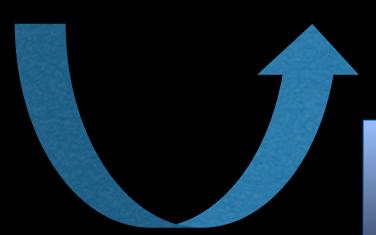
#### AFOLU & WATER





AEZ
Agroecological zoning
FAO





Energy sector



Bottom-up models sector-specific

## Linking short-term and long-term

AREA	10 YEARS	20 YEARS	40 YEARS
SOCIETY/ POPULATION	<ul> <li>Attention is given to the most vulnerable groups to the effects of climate change.</li> <li>Society is involved and actively participates in the subject of climate change.</li> </ul>	<ul> <li>Society is committed to the task of reducing the effects of climate change.</li> <li>Human settlements have expanded their capacity to adapt to the strikes of climate change.</li> </ul>	<ul> <li>Society is culturally and socially integrated to tackling climate change.</li> <li>Low vulnerable rural society</li> </ul>
ECOSYSTEMS (WATER, FORESTS, BIODIVERSITY)	<ul> <li>The most vulnerable ecosystems are protected and receive both attention and capital flow.</li> <li>Ecosystemic management and sustainable management become axes for the conservation strategy.</li> <li>Actions for conservation and sustainable use are implemented across the country.</li> <li>Integrated territorial management schemes are implemented.</li> <li>Appropriate financing schemes to promote sustainable landscapes.</li> <li>Technical and technological tools for local adaptation exist and are used</li> <li>Strategies are implemented for the transition to a zero percent rate of carbon loss in original ecosystems.</li> </ul>	<ul> <li>◆Ecosystems and their inhabitant species are conserved and used sustainably.</li> <li>◆Natural resources are economically valued in a correct and adequate way.</li> <li>◆Sufficient infrastructure exists for a sustainable and efficient management of water.</li> <li>◆Efficient use of hydric resources helps restoring ecological and physical functions of water bodies.</li> <li>◆The economic and social development of the country is enhanced by improving its natural capital.</li> </ul>	<ul> <li>Hydric balance is ensured through sustainable and efficient use of water.</li> <li>Conservation and sustainable use of ecosystems help them improve their resilience against climate change.</li> <li>Local levels of resilience are adequate.</li> </ul>
ENERGY	<ul> <li>Clean technologies are integrated to the national productive development.</li> <li>Socioeconomic schemes encourage the use of clean energy.</li> <li>Incentive system promotes the larger advantages in the use of non-fossil fuels, energy efficiency, power saving, and sustainable public transportation versus the use of fossil fuels.</li> <li>Near to reach 35% of electricity generation from clean sources.</li> </ul>	<ul> <li>At least 40% of electric power generation comes from clean sources.</li> <li>Power generation through clean sources creates jobs, including vulnerable sectors.</li> <li>Residential, tourism, and industrial sectors use of various clean energy sources, energy efficiency and power saving schemes.</li> </ul>	<ul> <li>Clean energy generation supports         economic development of every production         sector in a sustainable and equitable way.</li> <li>At least 50% of energy generation         comes from clean sources.</li> </ul>
EMISSIONS	<ul> <li>→ 30% emissions reduction compared to baseline</li> <li>→ Mexico substantially reduces emissions of Short-Lived Climate Pollutants</li> <li>→ Parastatal industries implement energy efficiency schemes in all its operations and increase the use of renewable energy</li> <li>→ Urban centers whose population are larger than fifty thousand inhabitants have waste management infrastructure to prevent methane (CH4) emissions to the atmosphere.</li> </ul>	◆Economic growth decoupled from the dependency on fossil fuels and their environmental impacts.  ◆Short-lived Climate Pollutant emissions are minimized.	◆50% emissions reduction compared to those of 2000.
PRODUCTIVE SYSTEMS	<ul> <li>Environmental impacts in the production sector are understood, acknowledged, monitored and tackled</li> <li>Production technologies and practices contribute in the diminishment of climate change risks.</li> <li>NAMAs (Nationally Appropriate Mitigation Actions) are implemented in various economic sectors.</li> </ul>	<ul> <li>Positive rate in forest carbon sinks.</li> <li>Sustainable forest management stops deforestation</li> <li>Sustainable management practices in extractive, agricultural and livestock and forestry sectors increase productivity, reduce vulnerability and conserves land.</li> </ul>	◆Production systems are resilient to the effects of climate change.
Private sector / Industry	<ul> <li>Enterprises incorporate climate change criteria in their production projects.</li> <li>Main sources of GHG report their emissions component in the National Emissions Registry.</li> <li>Enterprises reduce their gas and compound emissions, and take advantage of opportunities in energy efficiency, power saving, and use of clean and renewable energy.</li> </ul>	<ul> <li>◆Enterprises integrally manage their wastes.</li> <li>◆Production and sustainable consumption schemes are implemented.</li> </ul>	◆Enterprises have sustainable production cycles.
Mobility	<ul> <li>→Both public and private sectors adopt sustainable mobility systems.</li> <li>→Socioeconomic schemes encourage the use of sustainable transportation.</li> <li>→Common use of electric vehicles in public transportation.</li> </ul>	<ul> <li>◆Freight transportation is multimodal, efficient and low emissions</li> <li>◆Cargo transportation is multimodal, efficient, and low-emission.</li> </ul>	Common use of trains and electric vehicles



### Planning framework

#### Evaluation

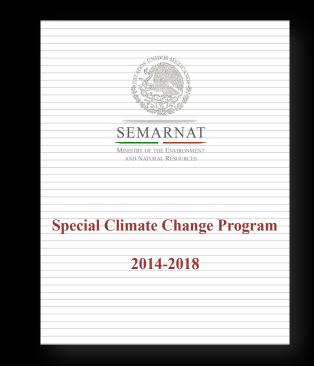
#### National Planning Law





#### General Climate Change Law





National Climate Change Strategy (10, 20,40 years vision)

Special Program for Climate Change (6 years)

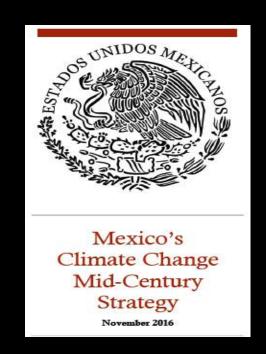
#### Energy Transition Law



Energy Transition
Strategy
(2050 vision)



Energy Transition Program (6 years)



Mexico's Climate Change Midcentury Strategy (40 years vision)



Mexico's NDC 2020-2030



## Thankyou!

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