

MEDIO AMBIENTE

SECRETARÍA DE MEDIO AMBIENTE
Y RECURSOS NATURALES



Climate Policy and the Process of Updating Nationally Determined Contributions

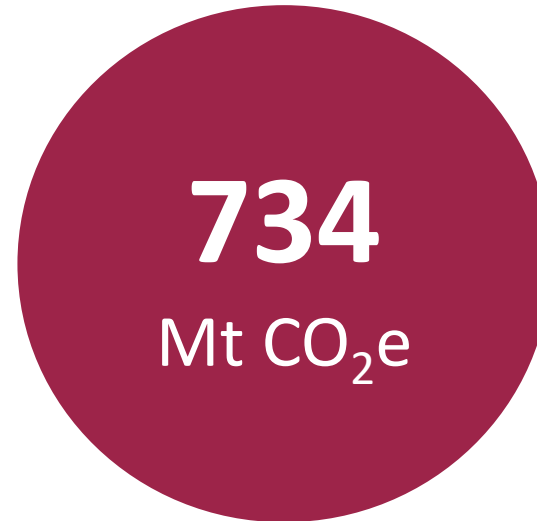
Update on the NDC and the Convention on Biological Diversity
(CBD) Post 2020

Mexico City, March 19, 2020

Mexico in the face of the climate crisis

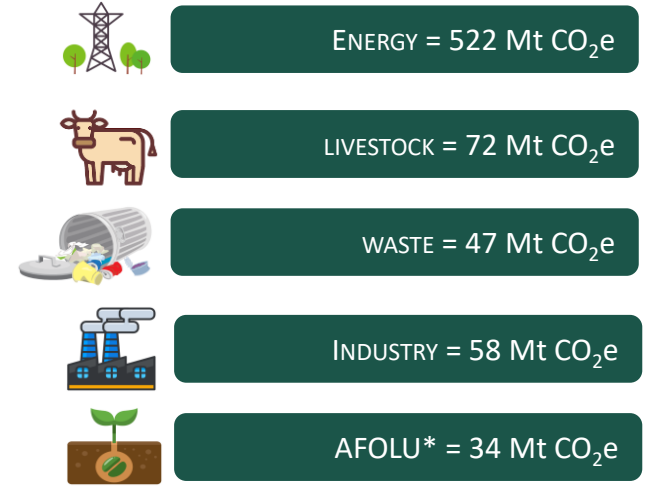


Mexico: A megadiverse country highly vulnerable to the impacts of climate change



Total GHG emissions in 2017

Source. INECC (2019)



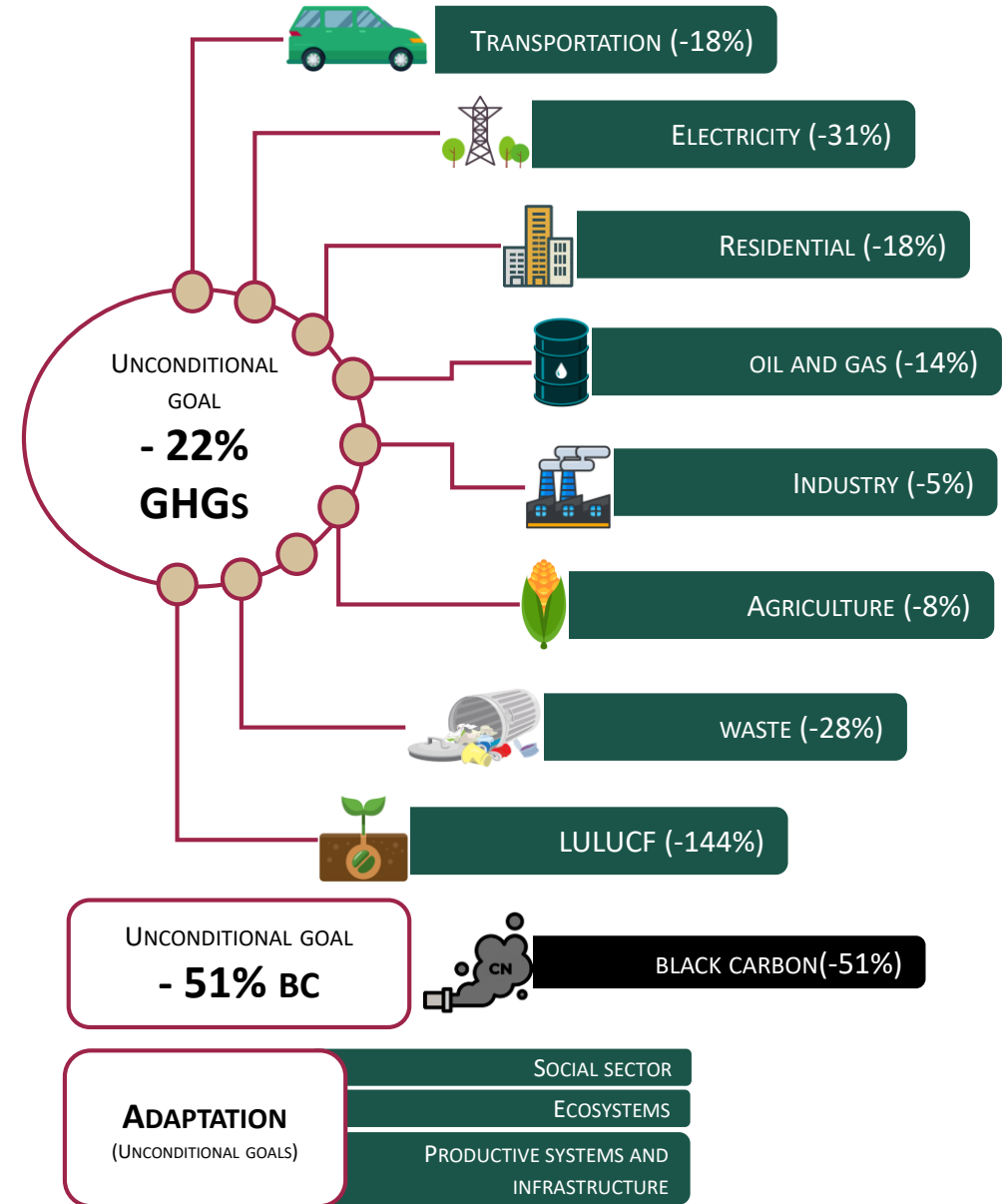
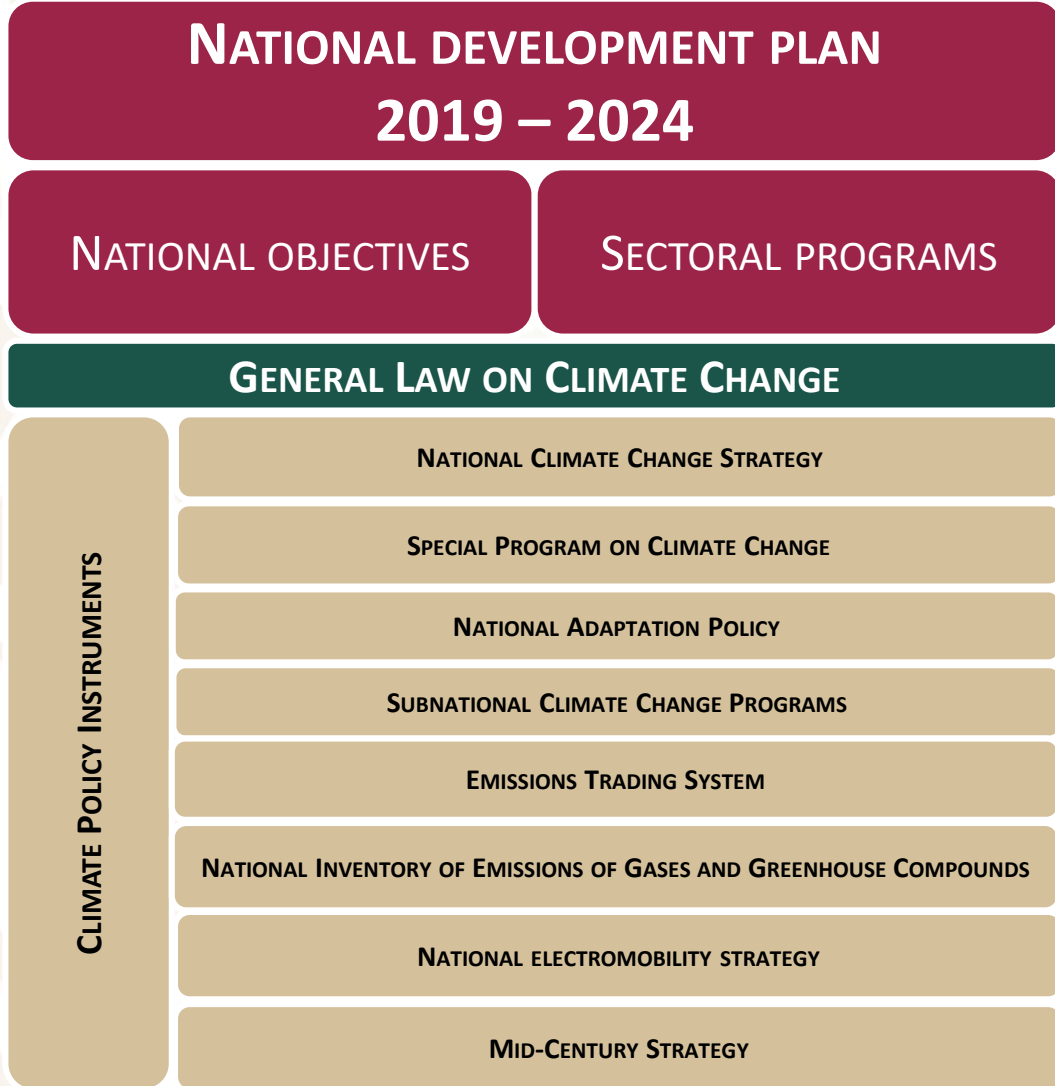
* Agriculture, Forestry, and Other Land Use

119.9 million
(population)

Source. INEGI (2015)



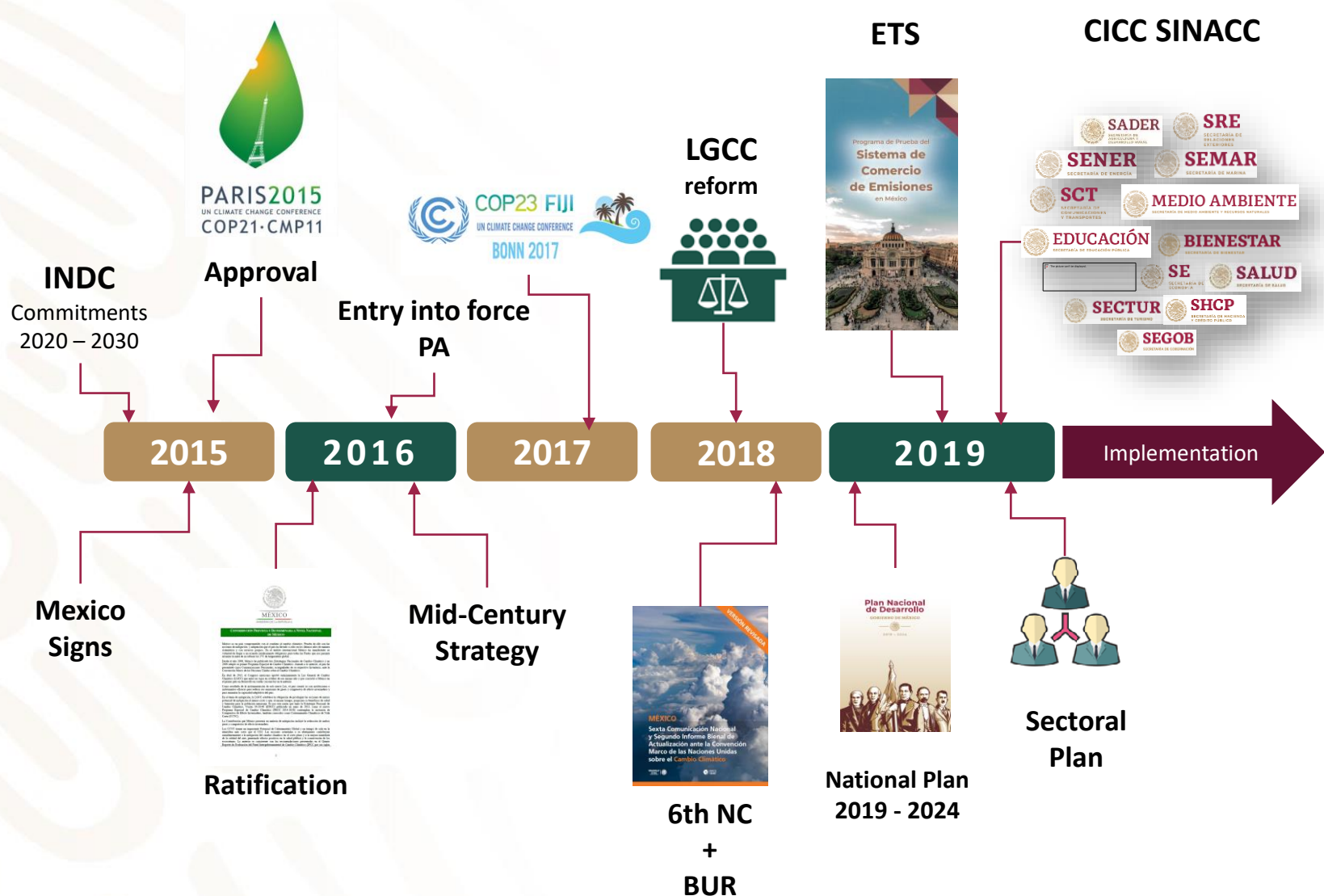
Political framework for the NDC



Mexico under the Paris Agreement



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Evolution and inputs for NDCs - Mitigation



INCC
(2015)

- Committed targets
- Adaptation and mitigation components
- Coverage
- GHG quantification methodology
- Baseline
- Identifying sectors

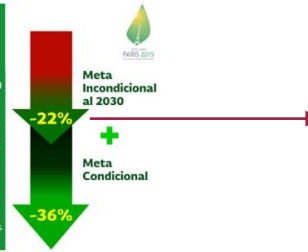


NDC
(2016)

- Sectoral goals
- Conditioned and unconditioned goals
- BAU scenario
- GHG and NC goals
- Adaptation goals and lines of action

Meta de mitigación Gases de Efecto Invernadero
Millones de toneladas de CO₂-e

Fuentes de Emisiones	Línea Base				Incondicional	
	2013	2020	2025	2030	2030	A
Transporte	174	214	237	266	218	-18%
Generación Eléctrica	127	143	181	202	139	-31%
Residencial y Comercial	26	27	27	28	23	-18%
Petróleo y Gas	80	123	132	137	118	-14%
Industria	115	125	144	165	157	-5%
Agricultura y Ganadería	80	88	90	93	86	-8%
Residuos (líquidos y sólidos urbanos)	31	40	45	49	35	-28%
Subtotal	633	760	856	941	716	-24%
USCLUS	32	32	32	32	-14	-144%
TOTAL	665	792	888	973	762	-22%



Sector	30 Medidas
I. Transporte (Fuentes móviles)	I.1 Actualizar la norma de emisiones y eficiencia energética para vehículos ligeros nuevos I.2 Ejecutar programas de densificación de ciudades y acciones para adoptar sistemas de transporte integrado I.3 Realizar un cambio modal en transporte de carga I.4 Publicar una norma de emisiones y eficiencia energética para vehículos pesados nuevos I.5 Restringir la importación de vehículos usados I.6 Construir trenes interurbanos de pasajeros I.7 Acelerar la penetración de tecnologías limpias y eficientes en autotransporte I.8 Aplicar programas de introducción de vehículos de transporte público a gas natural
II. Eléctrico	II.1 Alcanzar 35 por ciento de energía limpia en 2024 y 43 por ciento al 2030 II.2 Modernizar la planta de generación II.3 Reducir las pérdidas técnicas en la red eléctrica II.4 Sustituir el combustóleo por gas natural
III. Residencial y Comercial	III.1 Utilizar equipos ahorradores de agua para disminuir la demanda de energía para calentamiento de agua III.2 Sustituir calentadores convencionales por otros eficientes (instantáneos y solares)
IV. Petróleo y Gas	IV.1 Ejecutar la Iniciativa Global de Reducción de Metano (GM) IV.2 Reducir las emisiones fugitivas por NAMA IV.3 Participar en las metas de generación y autoabasto con energías limpias (Cogeneración) IV.4 Instrumentar sistemas de captura, almacenamiento y uso de bióxido de carbono (CCUS) IV.5 Sustituir combustibles pesados por gas natural en el Sistema Nacional de Refinación
V. Industrial	V.1 Ejecutar NAMA del sector cementero V.2 Participar en las metas de generación y auto abasto con energías limpias V.3 Utilizar esquilmos como combustible V.4 Sustituir combustóleo por combustibles más limpios, como el gas natural
VI. Agricultura y Ganadería	VI.1 Disminuir la quema de residuos de cosechas en campo en superficies agrícolas, con asistencia técnica en siete estados del país con mayor generación de residuos VI.2 Instalar y operar biodigestores para las excretas de ganado estabulado VI.3 Sustituir los fertilizantes sintéticos nitrogenados por biofertilizantes
VII. Residuos	VII.1 Alcanzar cero emisiones de metano en rellenos sanitarios en 2030 VII.2 Lograr cero quema a cielo abierto al 2030
VIII. USCLUS	VIII.1 Alcanzar una tasa de deforestación cero para el 2030 mediante la Estrategia Nacional REDD+ (ENAREDD+) VIII.2 Fomentar el manejo forestal sustentable e incremento de la productividad en bosques y selvas con vocación productiva y en terrenos con potencial para establecer plantaciones forestales comerciales

30 mitigation measures
(Costos CND, 2018)

- Timely development of mitigation actions
- Methodological assessment of mitigation potential
- Study of costs and co-benefits
- Sector baselines
- Technical studies for implementation
- Synergies with public and private sectors



LGCC
(CND, Reforma 2018)

Publication of implementation routes



NDC Implementation



2015

2020



LGCC (2012)



PECC 2014-2018



PECC 2020-2024



Vulnerability Atlas



INEGYCEI



SLCP Strategy

Communication and participation strategy

SIAT - NDC



Sectoral mitigation measures

ENCC



National Electromobility Strategy



ETS



National Adaptation Plan

Institutional arrangements: CICC/SINACC



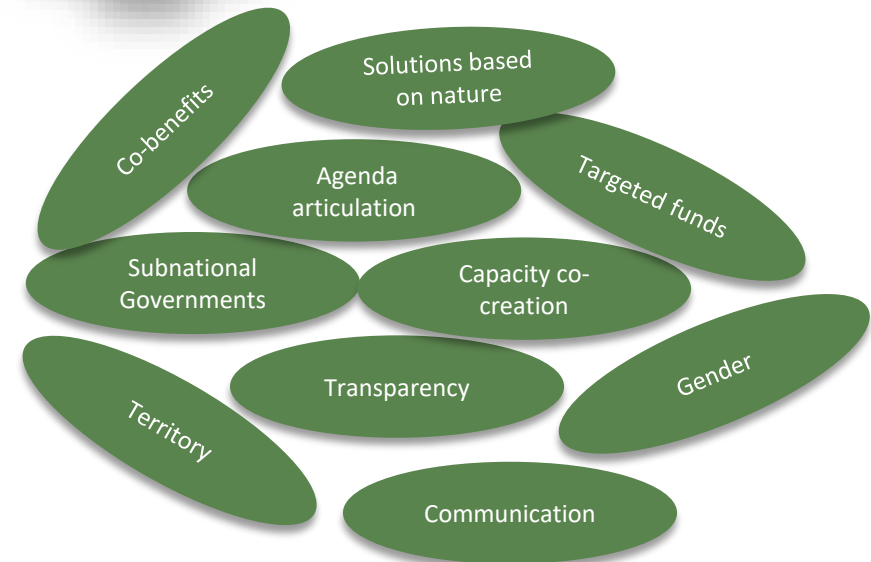
Collaborators

Adaptation with 3 strategic axes + 21 lines of action
- Mitigation target commitments (conditioned and unconditioned)

Sector	Línea Base				Meta A	Meta B
	2013	2020	2025	2030		
Transporte	178	214	237	268	-22%	-36%
Gobernación y Construcción	17	21	25	30	-14%	-14%
Industria y Minería	60	113	144	177	-14%	-14%
Agricultura y Pesca	11	11	11	11	-14%	-14%
Residuos Sólidos y Gestión Urbana	11	11	11	11	-14%	-14%
Energía	11	11	11	11	-14%	-14%
USOCAS	11	11	11	11	-14%	-14%
TOTAL	285	382	437	509	-22%	-36%



Implementation routes for the 8 productive sectors



NDC participatory process



**Presentation
NDC**

Installation CICC

AGREEMENT 6.I/2019.
The Commission acknowledges the NDC updating process and commits to participating in this process.

- Sectoral workshops:
- Buildings, Shops and Services
 - Industry
 - Transportation

National Consultation
(mitigation and adaptation)
March 23 to April 3

Webinar Mexican youth
(mitigation and adaptation)
March 10

Subnational Consultation
(mitigation and adaptation)
February 27 to March 18

Linking NDC and other Conventions
Gender mainstreaming



Baseline document for adaptation update

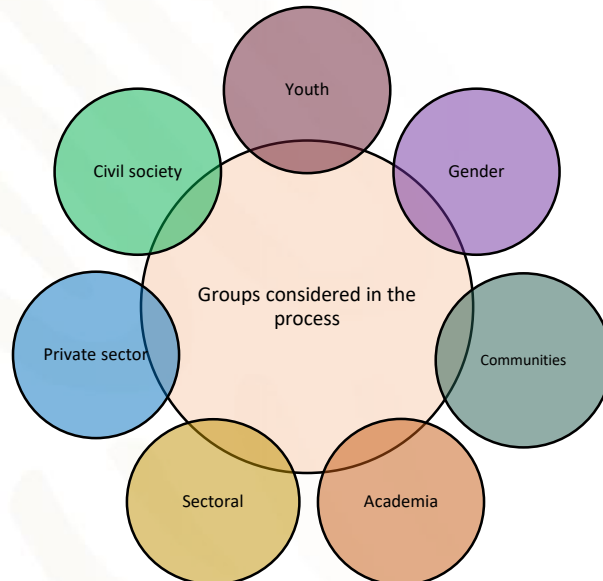
Presentation and consultation
GT-ADAPT

In-person Youth Workshop
April 6

Key actor meetings
March-April-May

Dialogues / Participatory process
academia, gender, civil society, private sector, communities, senate

NDC intergovernmental dialogue





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ADAPTATION COMPONENT

Inputs used to update the NDC adaptation component



Review of state files where they report their contribution to the NDC



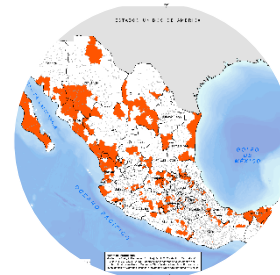
Review of attribution sheets by the secretariat



Review of opportunity area identified by Mexico's 6th NC



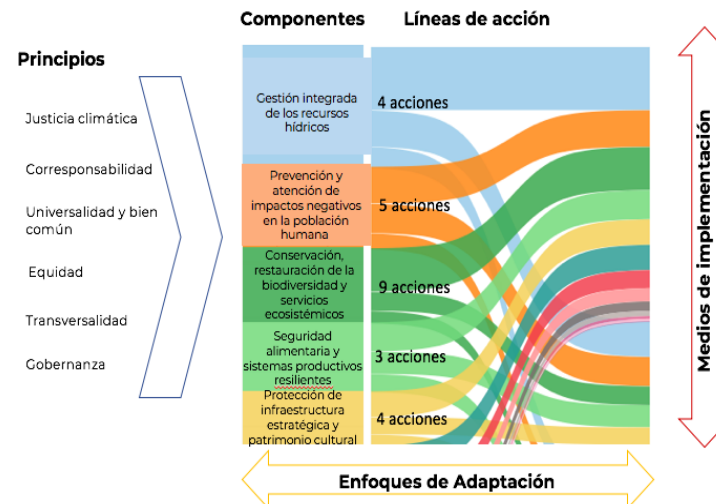
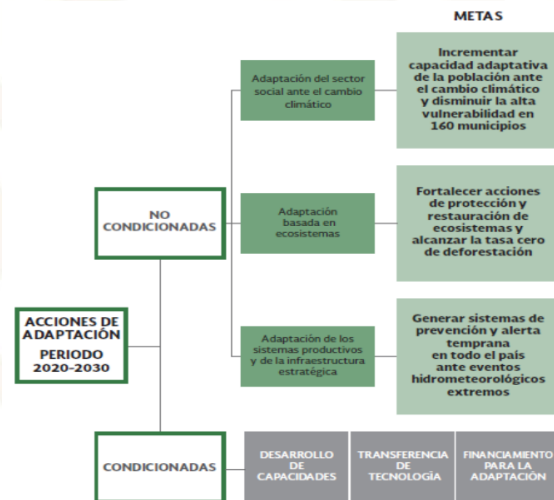
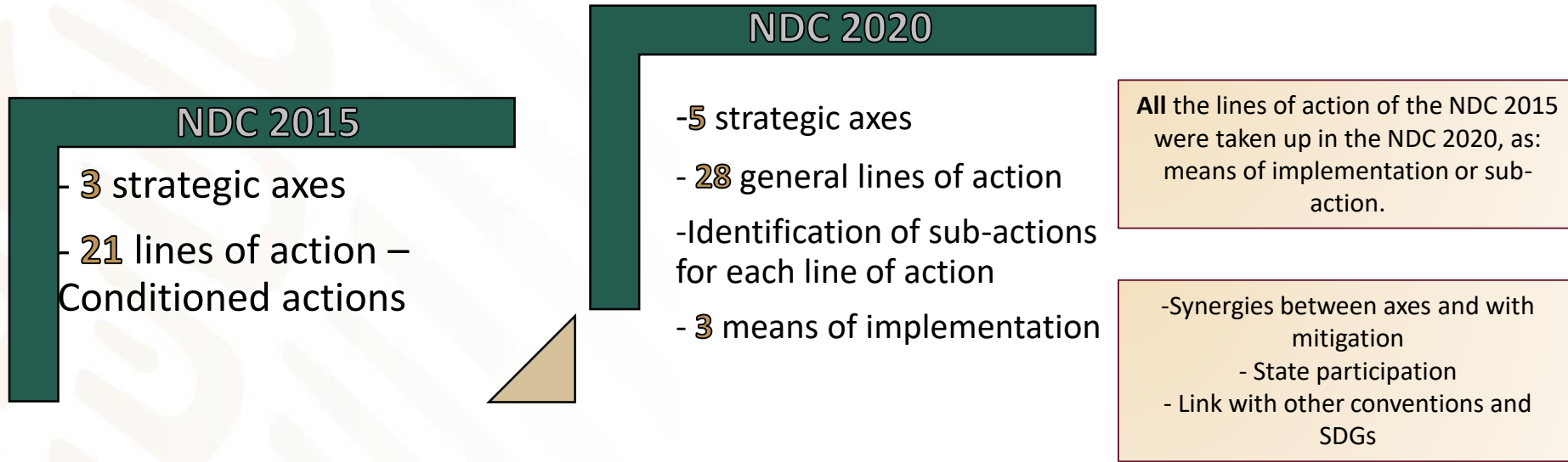
Results of the Second National Forum on Adaptation to Climate Change



Identification of the most vulnerable municipalities



Updating the adaptation component



* Preliminary version for consultation process

Proposed NDC adaptation axes



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Prevention and attention to the negative impacts on the human population



Integrated management of water resources



Food security and resilient production systems



Protection of strategic infrastructure and tangible cultural heritage



Conservation, restoration, and sustainable use of biodiversity and ecosystem services





SEMARNAT-INECC adaptation team
Baseline document preparation meetings



Webinar Mexican youth



First meeting 2020 GT-ADAPT



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MITIGATION COMPONENT

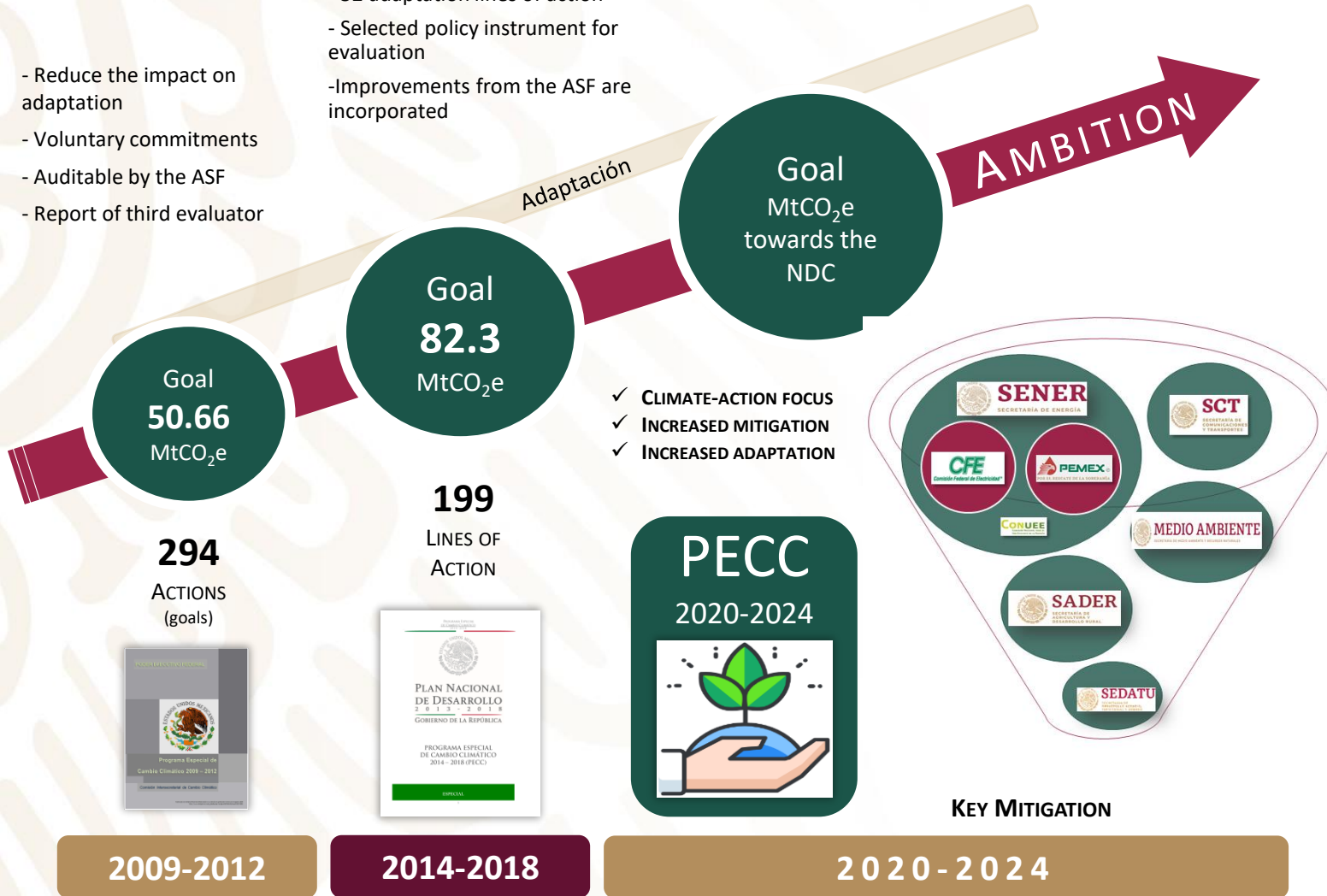
PECC as a key policy instrument for achieving the NDC



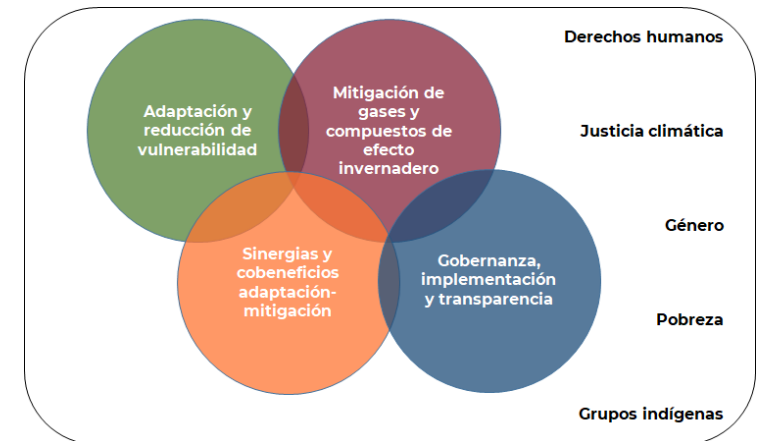
- Reduce the impact on adaptation
- Voluntary commitments
- Auditable by the ASF
- Report of third evaluator

- Specific goals
- 52 adaptation lines of action
- Selected policy instrument for evaluation
- Improvements from the ASF are incorporated

- Implementation-focused lines of action aligned to NDC
- Advocacy for land, mobility, well-being, reduction of vulnerability, and respect for human rights



Alignment of PECC 2020-2024 sector contributions with NDC commitments



Sectoral measures under analysis for updating the NDC



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Electric Power	Transportation	Oil and Gas
<ul style="list-style-type: none"> • 35% clean energy in 2024 • 43% clean energy in 2030 • Reduction of network losses 	<ul style="list-style-type: none"> • Vehicle efficiency standards (light and heavy) • Electromobility • Integrated public transport • Intercity trains 	<ul style="list-style-type: none"> • Methane reduction • Cogeneration • Energy efficiency in heating systems
Residential and Commercial	Industry	Agriculture and Livestock
<ul style="list-style-type: none"> • Efficient heaters and stoves • Efficient use of water • Energy efficiency 	<ul style="list-style-type: none"> • Substitution of heavy fuels for natural and alternative gas • Improvements in industrial processes • Emissions Trading System • HFC substitution 	<ul style="list-style-type: none"> • Conservation agriculture • Reduction of agricultural burning • Biodigesters with excreta • Biofertilizers with excreta
Waste and Residual Waters	Forest	<p>Analysis Criteria:</p> <ul style="list-style-type: none"> - Mitigation potential and quantification - Information availability and MRV - Responsible for implementation through PECC or other programs, considering the different government levels - Co-benefits and articulation of agendas
<ul style="list-style-type: none"> • Landfills • Use of biogas • Improving water treatment: expanding coverage • Increased treatment of industrial wastewater 	<ul style="list-style-type: none"> • Zero deforestation rate • Sustainable forest plantations • Forest area recovery • Improvement in forest management 	

Next steps and final thoughts



- NDC Socialization
- Financing, technical assistance, and targeted capacity building
- Coordinated work SEMARNAT – INECC
- Inter-ministry support
- Articulation of agendas
- Means, enabling conditions, and technical support for implementation
- Communication and participation

Thank you



¡Desde México contribuimos!

<https://www.gob.mx/semarnat>

<https://cambioclimatico.gob.mx/>

Ing. Yutsil Sanginés Sayavedra

General Director of Climate Change Policies

ndcmexico@semarnat.gob.mx



**GOBIERNO DE
MÉXICO**

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