



LXIII
Legislatura

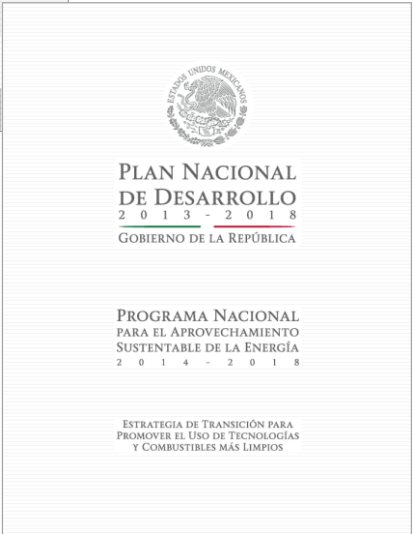
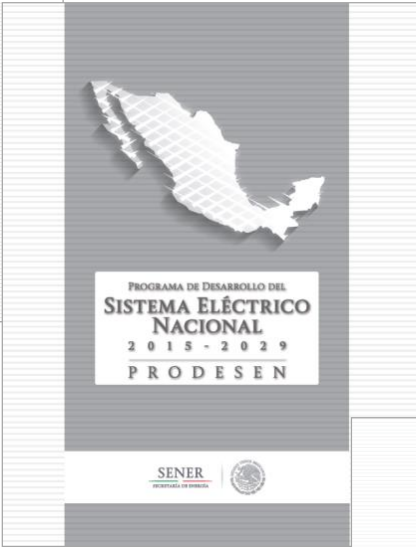
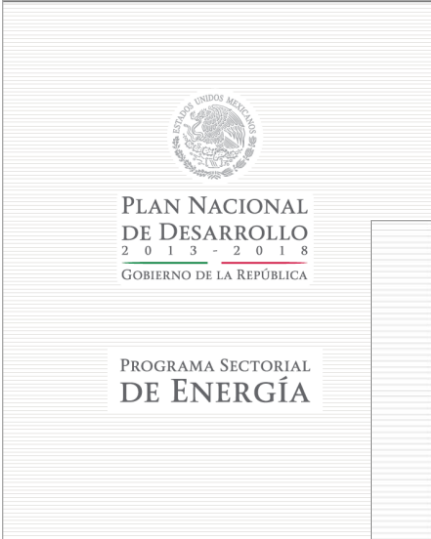


Policy instruments: Feed-in-Tariffs, Auctions, Targets in Mexico

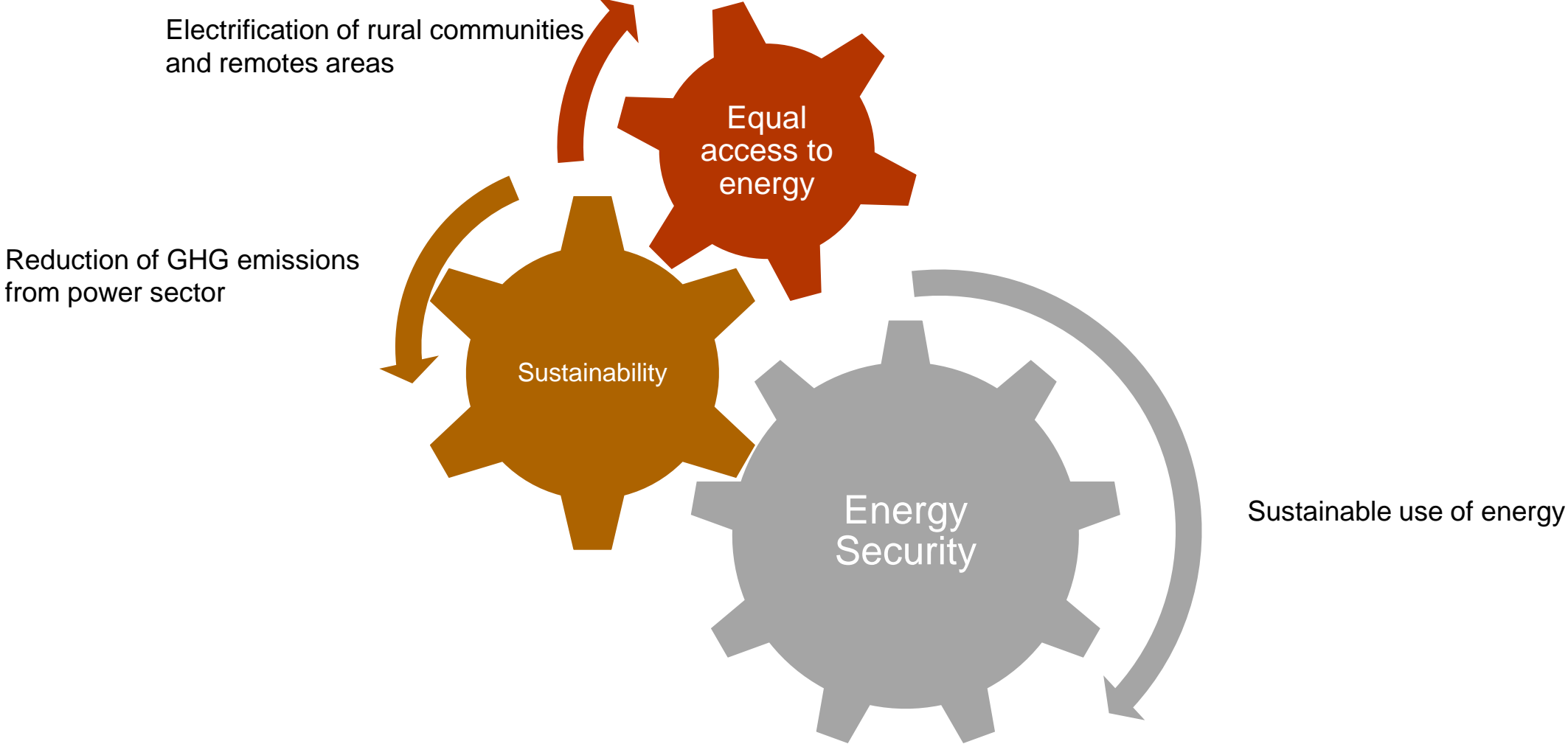
Congresswoman Georgina Trujillo Zentella
President of the Commission Energy of the
Federal Congress of Mexico

Abu Dhabi, 13th January 2017

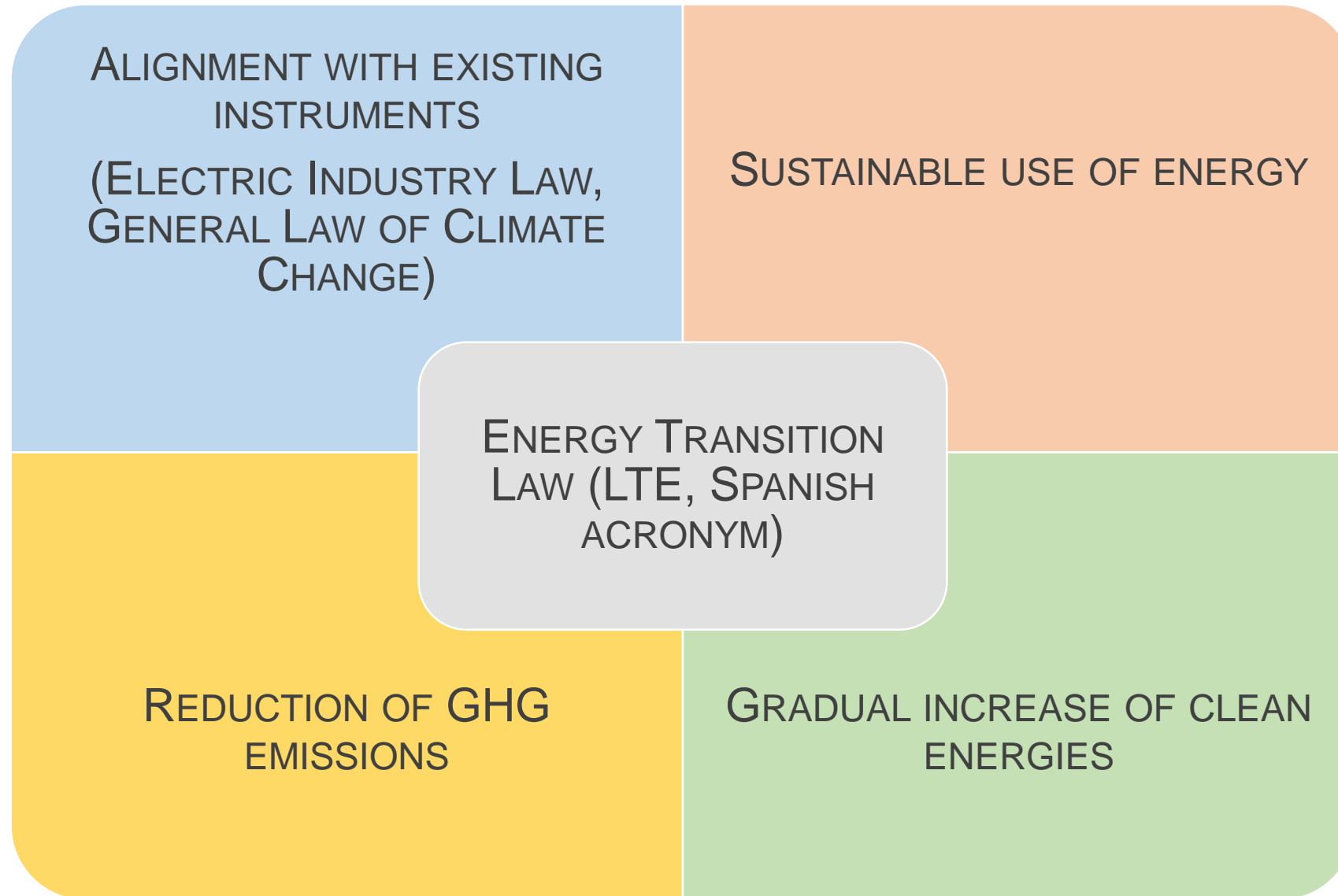
Energy Reform



Energy policy vision



Energy Transition Law



Energy Transition Law and its advisory councils

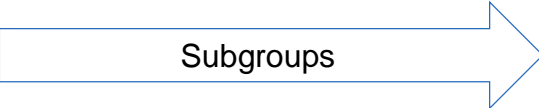
ADVISORY COUNCIL FOR ENERGY TRANSITION



- RELEVANT ACTORS:
- GOVERNMENT INSTITUTIONS
 - PRIVATE SECTOR
 - ACADEMY
 - NON-GOVERNMENTAL ORGANIZATIONS

WORKING GROUPS

1. PRODUCTION AND GENERATION
2. CONSUMPTION
3. ENERGY EFFICIENCY
4. STORAGE



SECTORS

1. CITIES AND TRANSPORT
2. INDUSTRY AND SERVICES
3. FARMING
4. RESIDENTIAL USE OF ENERGY AND DISTRIBUTED GENERATION
5. SOCIAL

Other clean energy promotion mechanisms

- **Fiscal incentives (accelerated depreciation).**
- **Energy Transition and Sustainable Use of Energy Fund (FOTEASE, spanish acronym).**
- **Digital websites aimed for investors.**



National Inventory of Renewable Energy (INERE, spanish acronym),
<http://inere.energia.gob.mx/version4.5/>



High Potential Clean Energy Atlas (AZEL, spanish acronym)



Renewable energies one-stop-shop Project (VUER, spanish acronym)

Electric Industry Law

Strengthening of social impact planning and evaluation process



SENER
SECRETARÍA DE ENERGÍA



CRE
COMISION
REGULADORA
DE ENERGIA

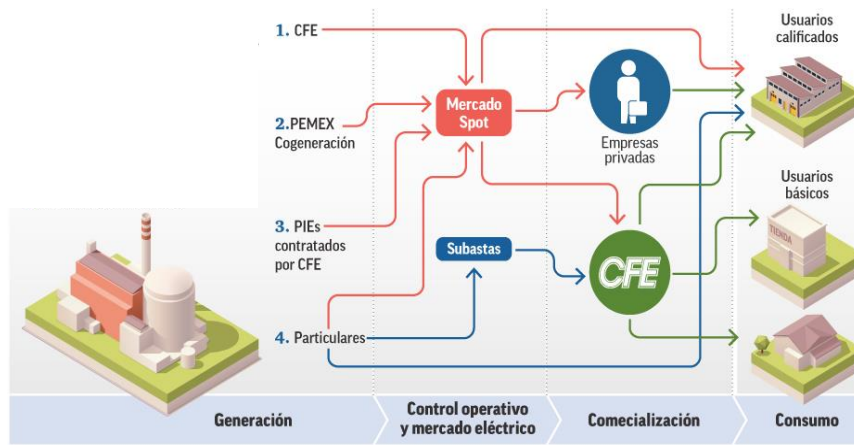
CENACE
CENTRO NACIONAL DE
CONTROL DE ENERGIA



Clean energy certificates and auctions



New structure in power sector (new market system)



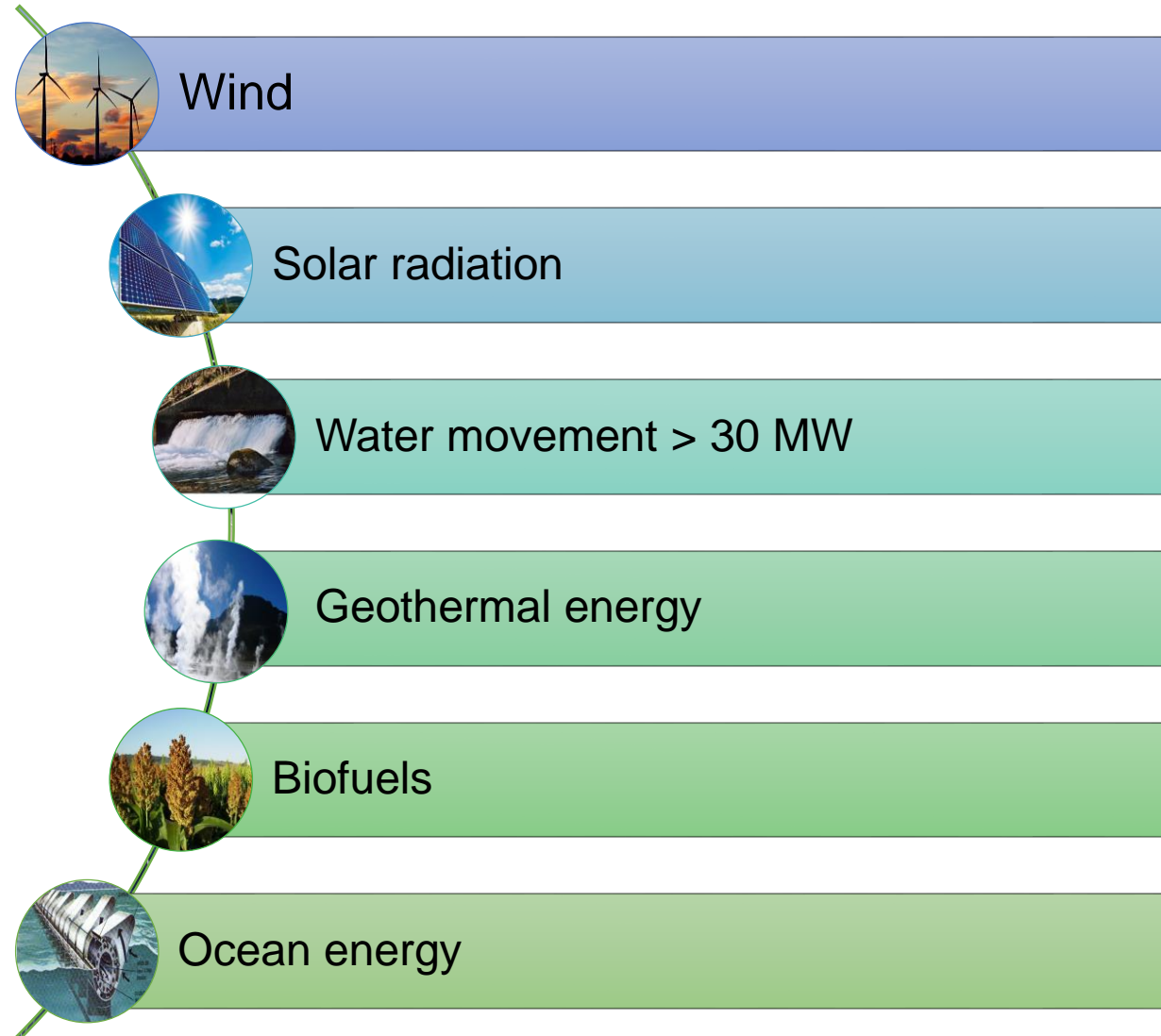
PIE: PRODUCTORES INDEPENDIENTES DE ENERGIA

Distributed generation regulation



Renewable energy in Mexico

The Energy Transition Law and the Electric Industry Law consider as renewable energy:



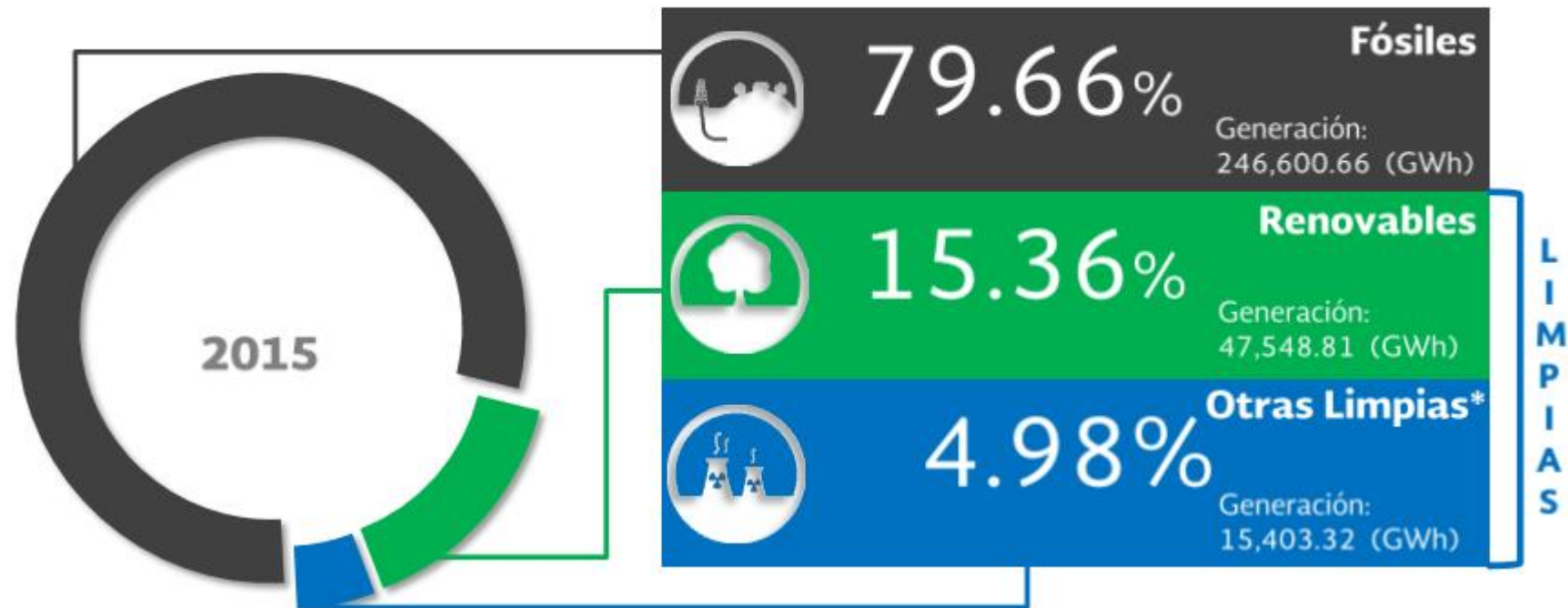
Renewable Energies in Mexico

CATEGORÍA	Tecnología / energético	PRIMER SEMESTRE 2015				PRIMER SEMESTRE 2016				
		Capacidad Instalada (MW)	Capacidad Instalada (%)	Generación Bruta (GWh)	Generación Bruta (%)	Capacidad Instalada (MW)	Capacidad Instalada (%)	Generación Bruta (GWh)	Generación Bruta (%)	
Energías limpias	RENOVABLES	Hidroeléctrica	12,453.77	18.49%	17,885.42	11.90%	12,583.99	17.72%	15,657.42	10.08%
		Eólica	2,760.32	4.10%	4,241.80	2.82%	3,193.12	4.50%	4,745.47	3.05%
		Geotérmica	898.80	1.33%	3,100.01	2.06%	925.60	1.30%	3,069.33	1.98%
		Bagazo	679.54	1.01%	890.20	0.59%	755.18	1.06%	986.58	0.63%
		Fotovoltaica	113.66	0.17%	90.92	0.06%	270.20	0.38%	94.28	0.06%
		Biogás	75.51	0.11%	99.66	0.07%	82.83	0.12%	95.02	0.06%
		Híbrido	0.06	0.00%	0.11	0.00%	0.07	0.00%	0.0040	0.00%
	OTRAS LIMPIAS	Cogeneración eficiente	442.65	0.66%	1,526.71	1.02%	709.13	1.00%	2,060.12	1.33%
		Nuclear	1,510.00	2.24%	6,271.96	4.17%	1,608.00	2.26%	3,857.67	2.48%
		Licor Negro Frenos Regenerativos	25.50 6.61	0.04% 0.01%	18.51 2.40	0.01% 0.00%	25.50 6.61	0.04% 0.01%	18.51 2.40	0.01% 0.00%
SUBTOTAL LIMPIAS		18,966.42	28.17%	34,127.70	22.71%	20,160.22	28.39%	30,586.81	19.68%	
NO RENOVABLES		48,369.61	71.83%	116,180.59	77.29%	50,856.69	71.61%	124,817.63	80.32%	
TOTAL		67,336.03	100.00%	150,308.29	100.00%	71,016.91	100.00%	155,404.44	100.00%	

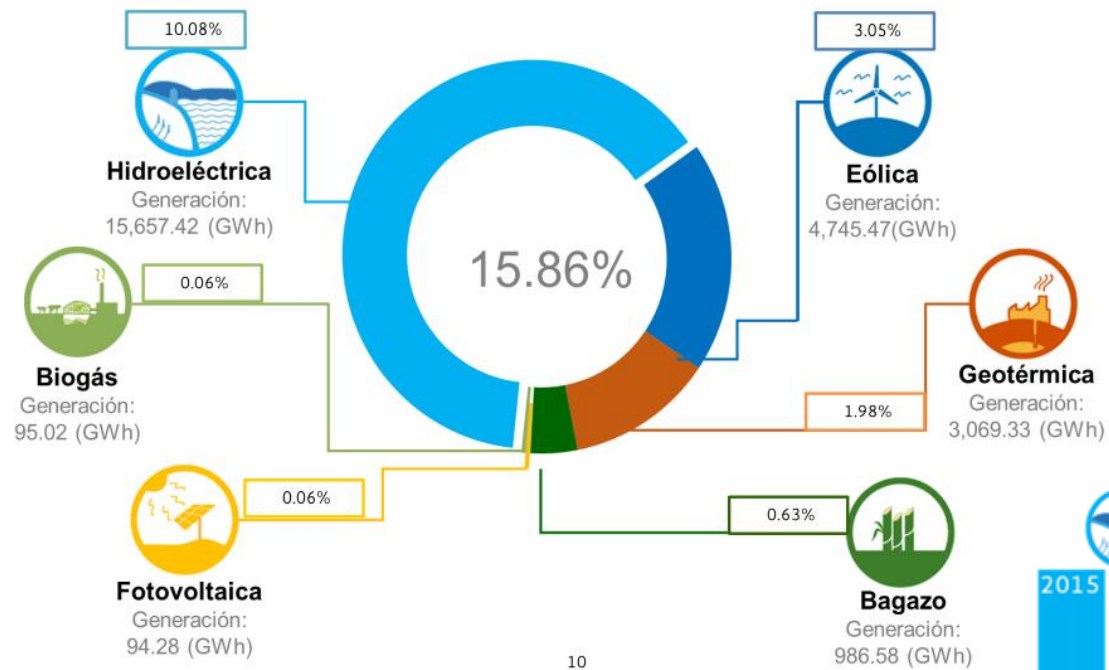
Fuente: Reporte de Avance de Energías Limpias 2016, SENER.

Current situation of the Renewables Energies in Mexico

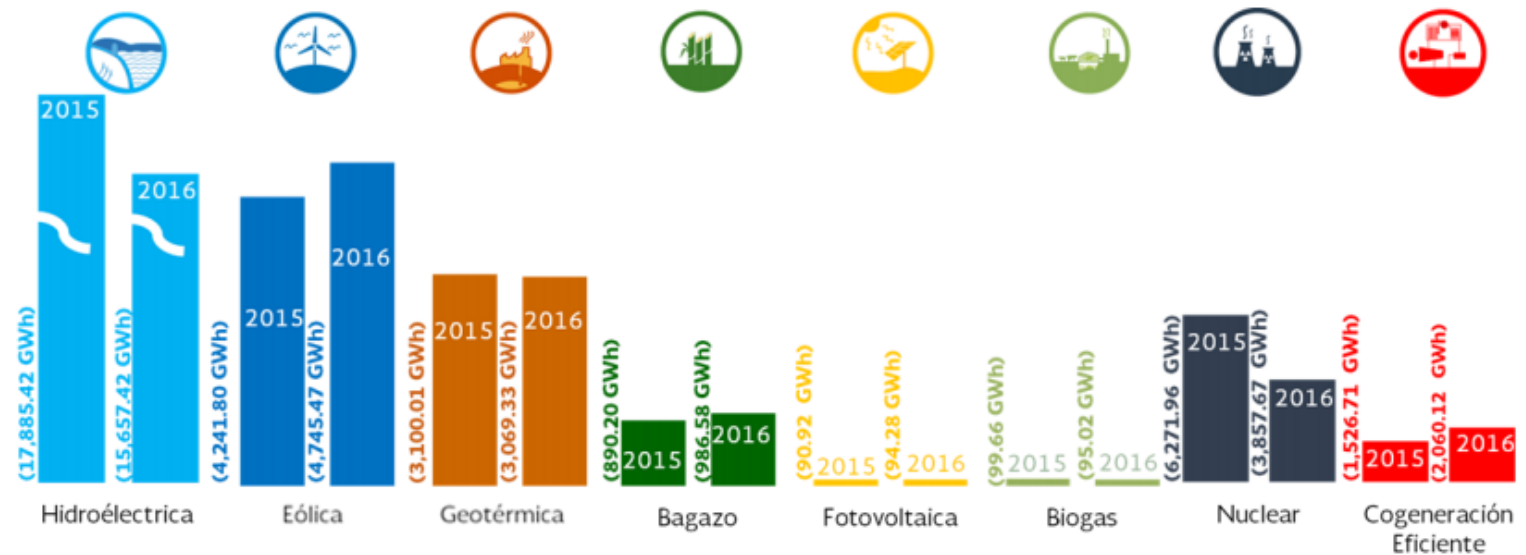
GENERACIÓN DE ENERGÍA ELÉCTRICA (GWh)



Current situation of the Renewables Energies in Mexico

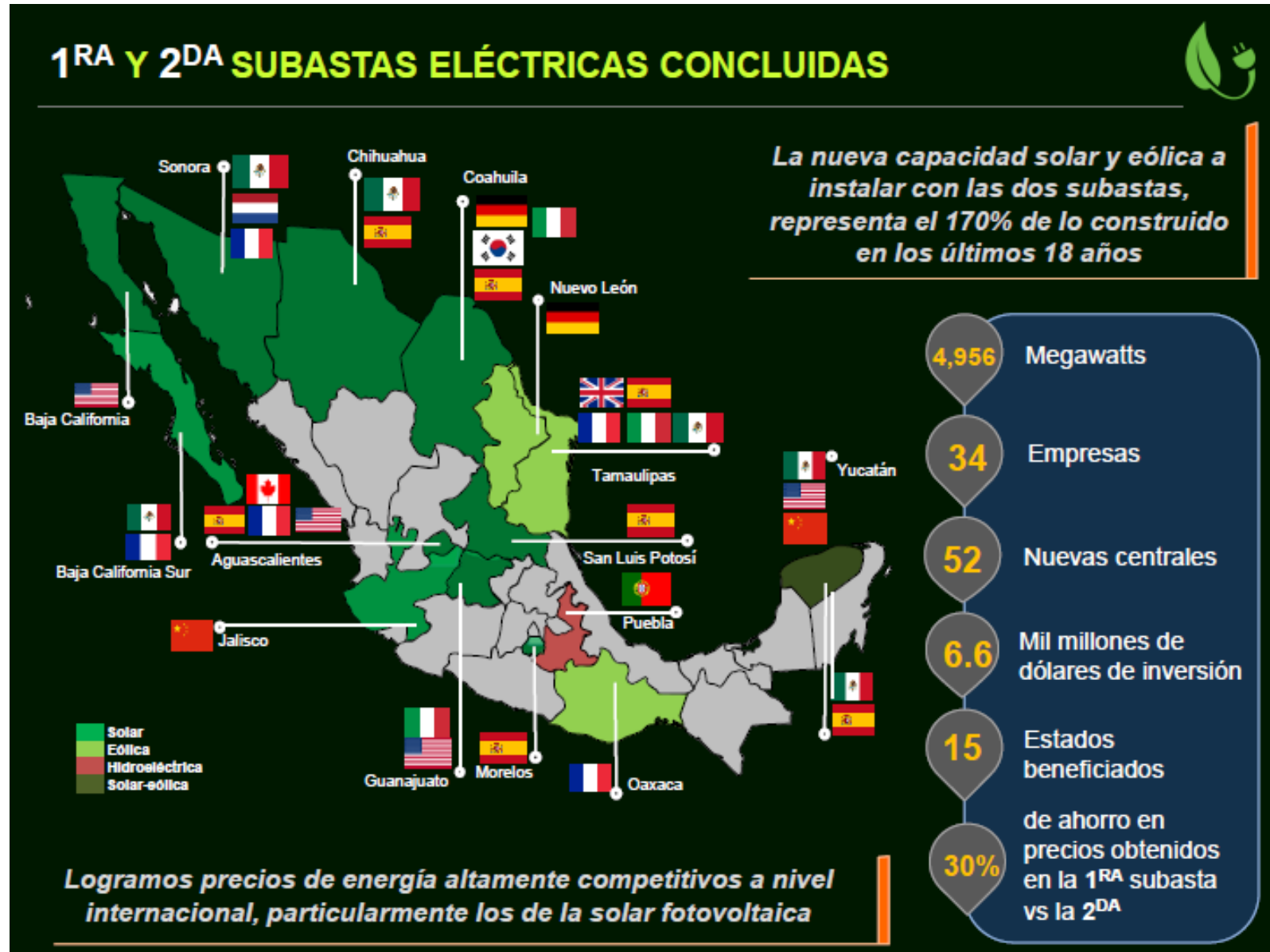


Clean energy generation growth 2015-2016



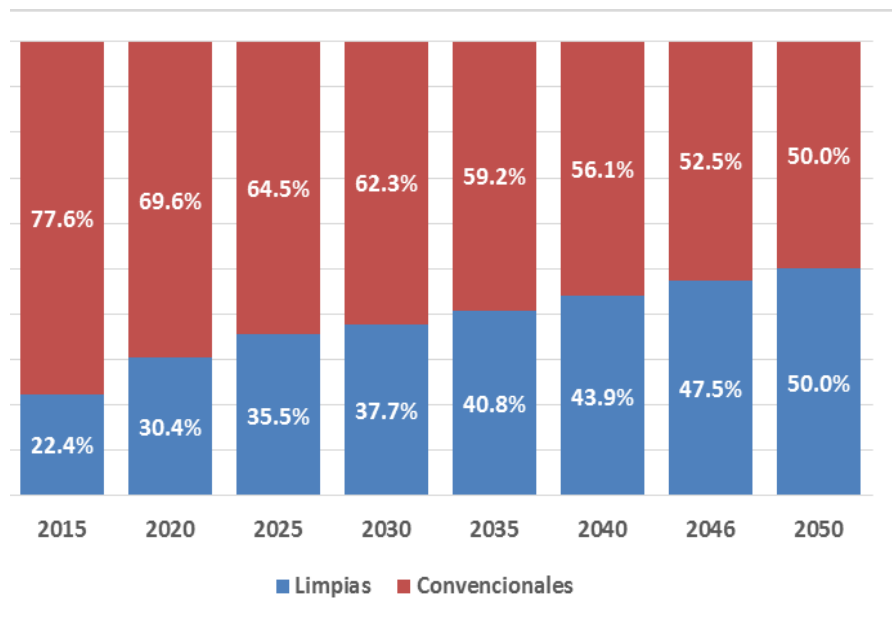
Fuente: Rep **-12.46%** **+11.87%** **-0.99%** **+10.83%** **+3.70%** **-4.66%** **-38.49%** **+34.94%**

Power sector auctions



Implementing Energy Transition Law

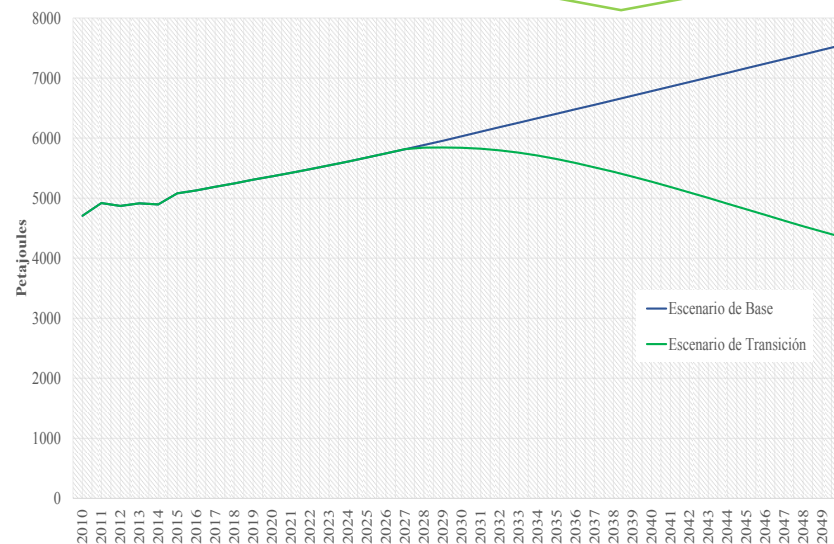
CLEAN ENERGY GOALS



- 2018, 25%
- 2021, 30%
- 2024, 35%
- 2025, 35.5%
- 2030, 37.7%
- 2050, 50.0%

ENERGY EFFICIENCY GOALS

42% consumption reduction in **2050** through energy efficiency measures



Average annual reduction (%) of final energy consumption :

- 2016 - 2030, 1.8%
- 2016 - 2050, 2.9%

Clean energy goals and GHG emissions mitigation

Electric energy generation

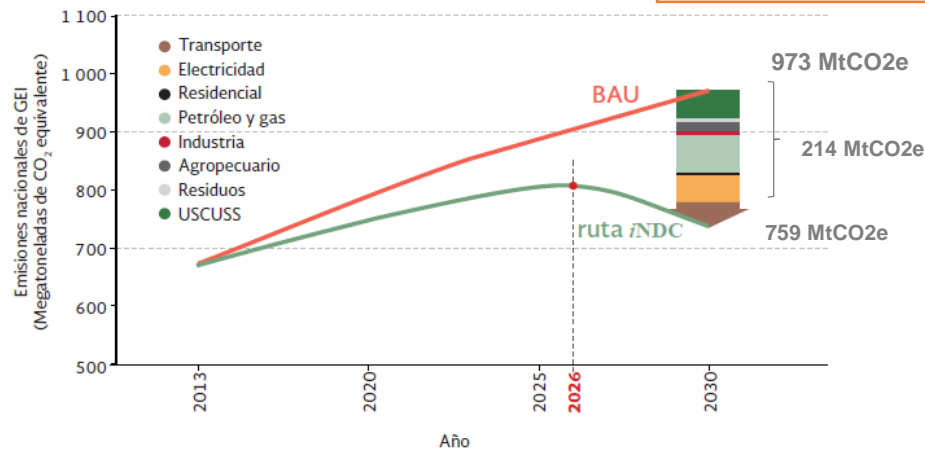


ENERGY CLEAN GENERATION	25 %	30 %	35%	50%
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MITIGATION AND ADAPTATION COMMITMENTS General Law of Climate Change 2020 – 2030 (NDC's)

- 22% GHG

- 50% GHG vs year 2000



2050



Fiscal incentives and financing mechanism



Mid and long term commitments



Institutional Strengthening



Market mechanism to promote investment



Investments in deployment of technological infrastructure, considering R&D



Public funds



Actions



LXIII
Legislatura



CÁMARA DE DIPUTADOS
LXIII LEGISLATURA

MÉXICO
GOBIERNO DE LA REPÚBLICA



reformas.gob.mx

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