

“Acciones políticas transformadoras para acelerar la implementación de la Agenda 2030 para el Desarrollo Sostenible a través de la transición hacia la energía verde y las industrias relacionadas”



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Presentation topics

- Forest
- Electricity
- Carbon emissions
- Decarbonization
- New energy options



Decarbonization process: the forest



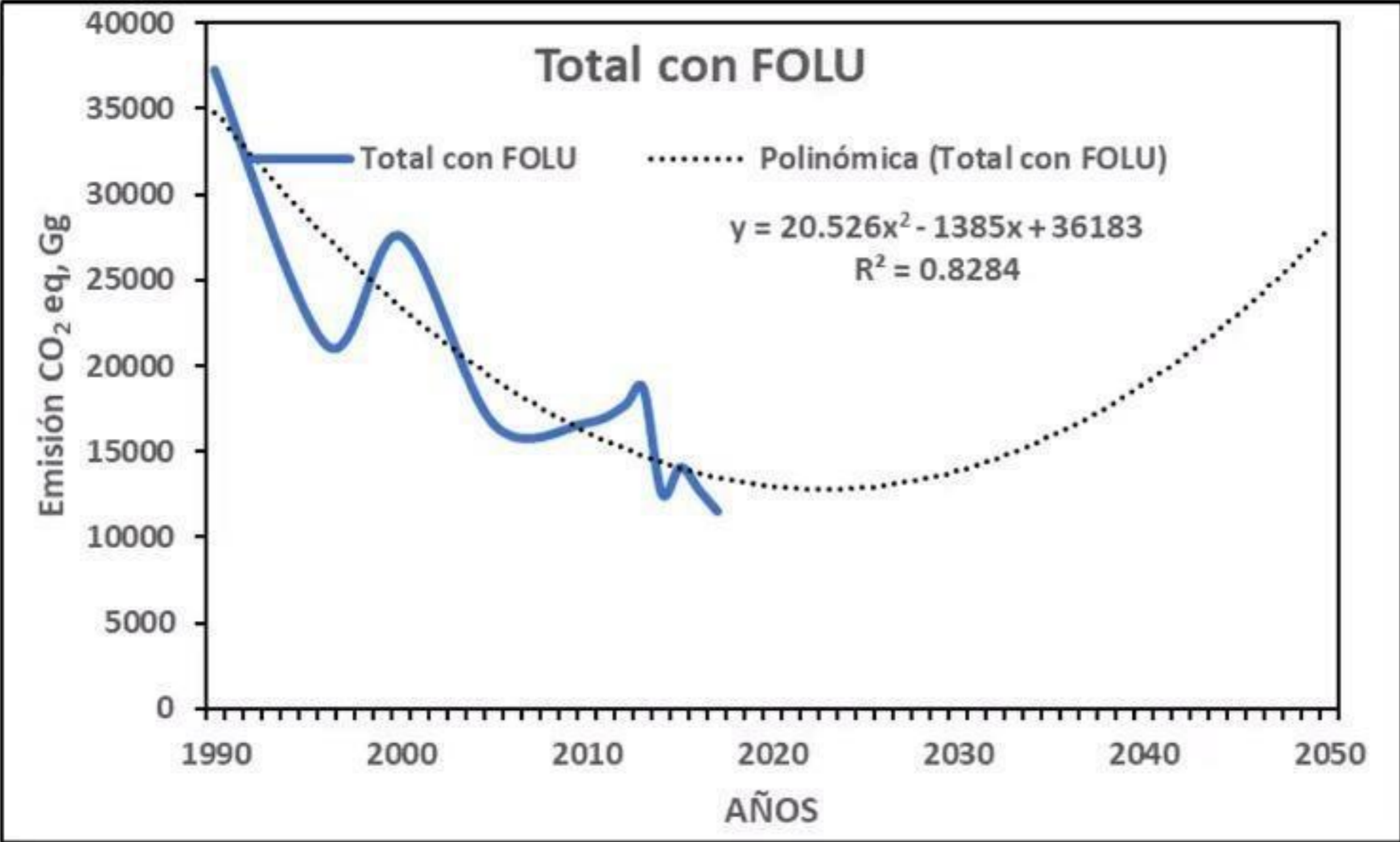
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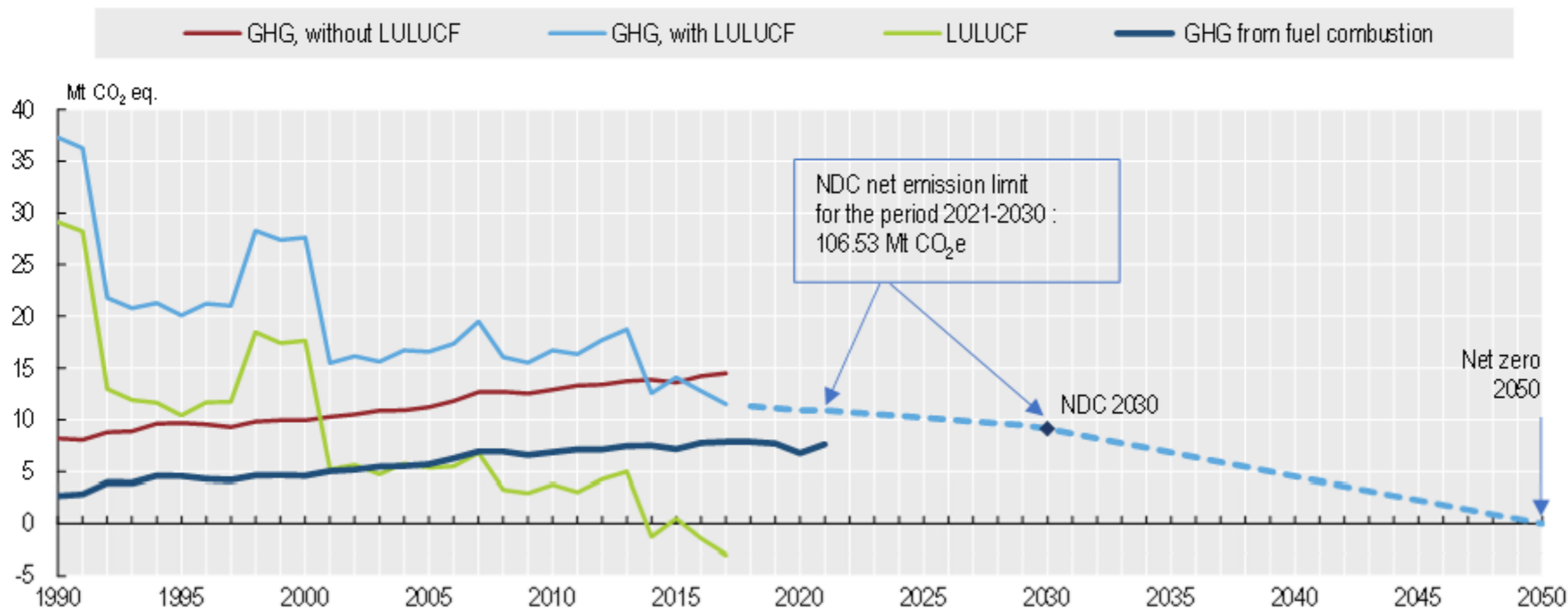
Stop deforestation



Capacity to sequester carbon dioxide



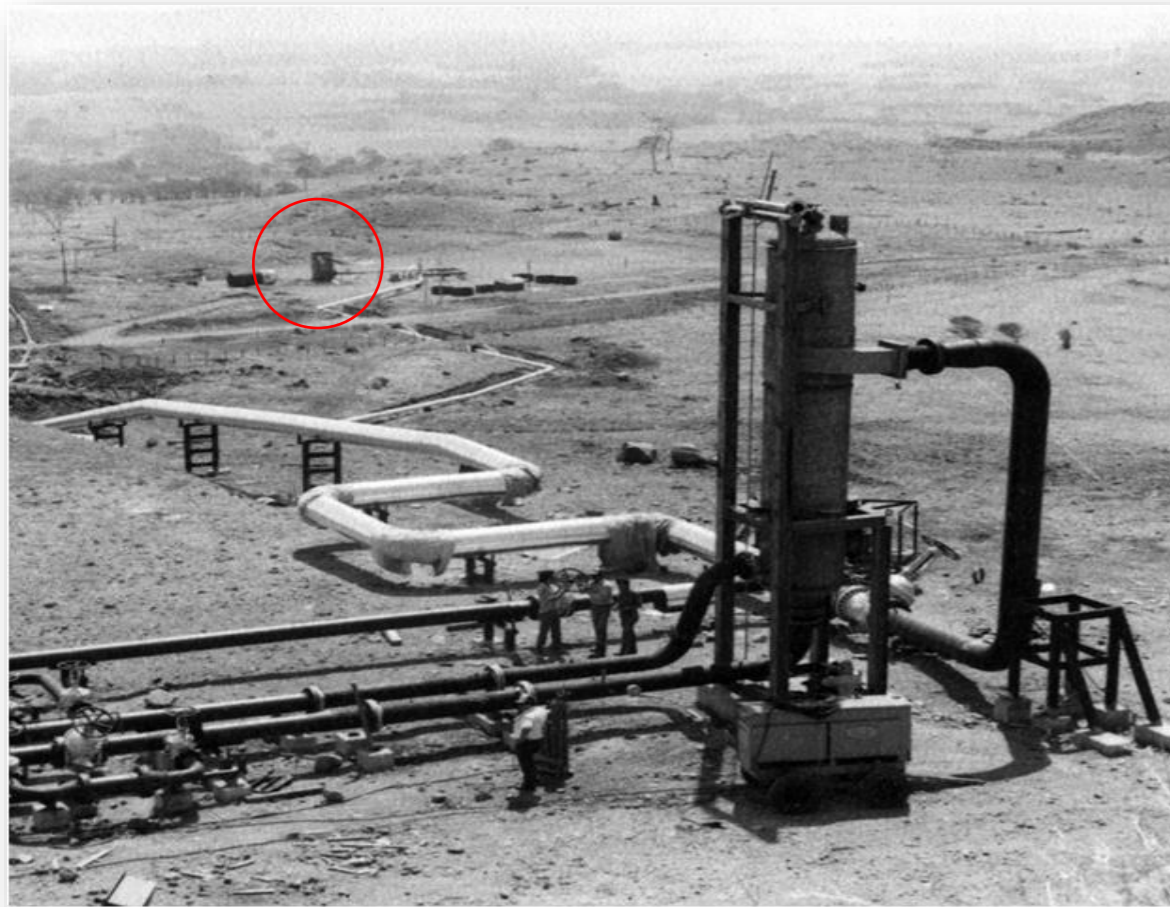
Historical and projected GHG emissions, targets and pathways to targets.



Note: LULUCF stands for emissions from the land use, land-use change, and forestry sector. Net greenhouse gas (GHG) emissions include those from the LULUCF sector. Data on GHG emissions from fuel combustion are produced by the IEA.

Source: OECD (2023), *IEA CO₂ Emissions from Fuel Combustion Statistics: Greenhouse Gas Emissions from Energy*; MINAE (2020), *Nationally Determined Contribution*; SINAMECC (2020), *Greenhouse Gas National Inventories (INGEI)*.

Environmental management



Before (1990)...

Early days of MIRAVALLLES
Geothermal field

2023



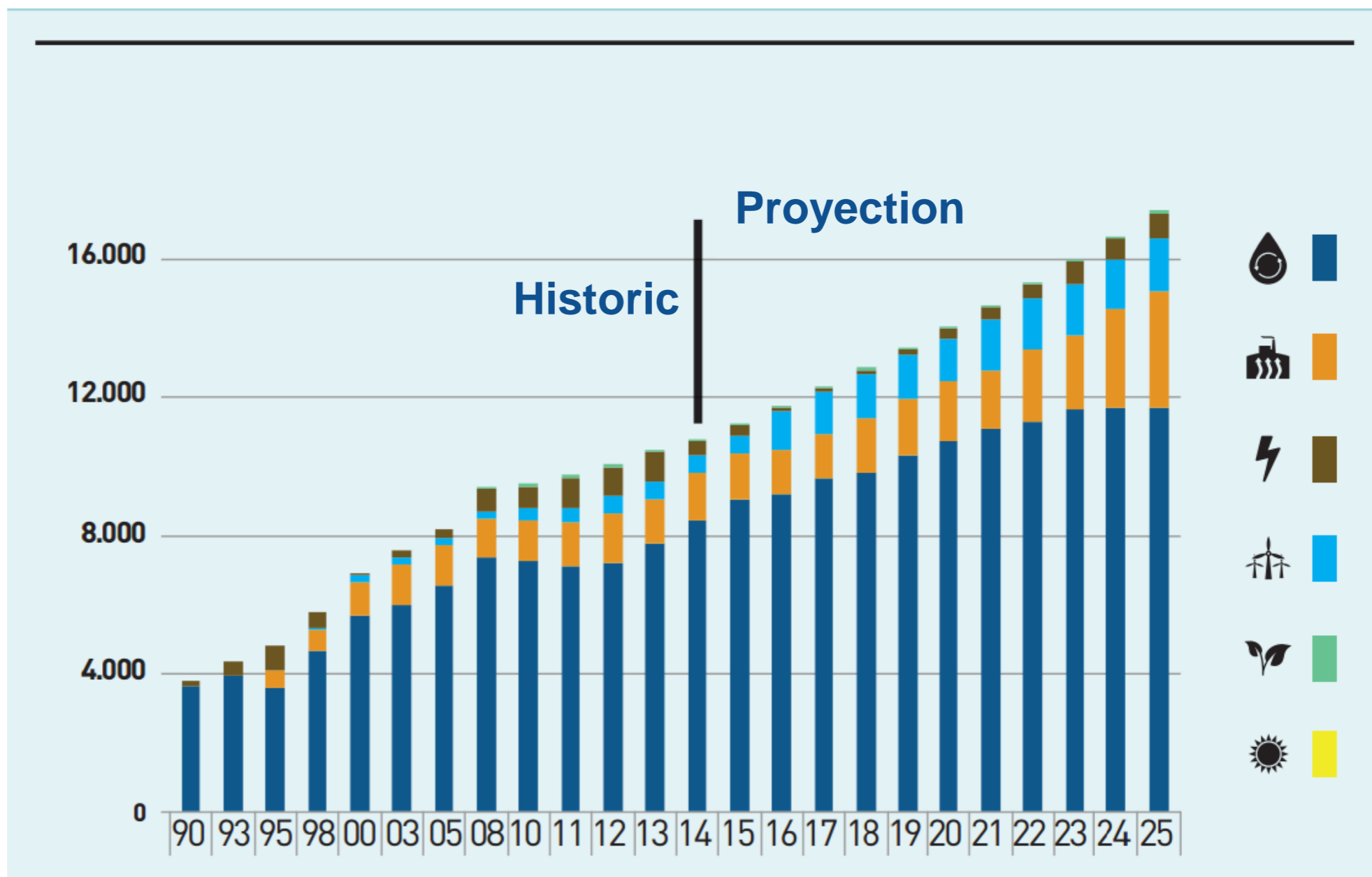
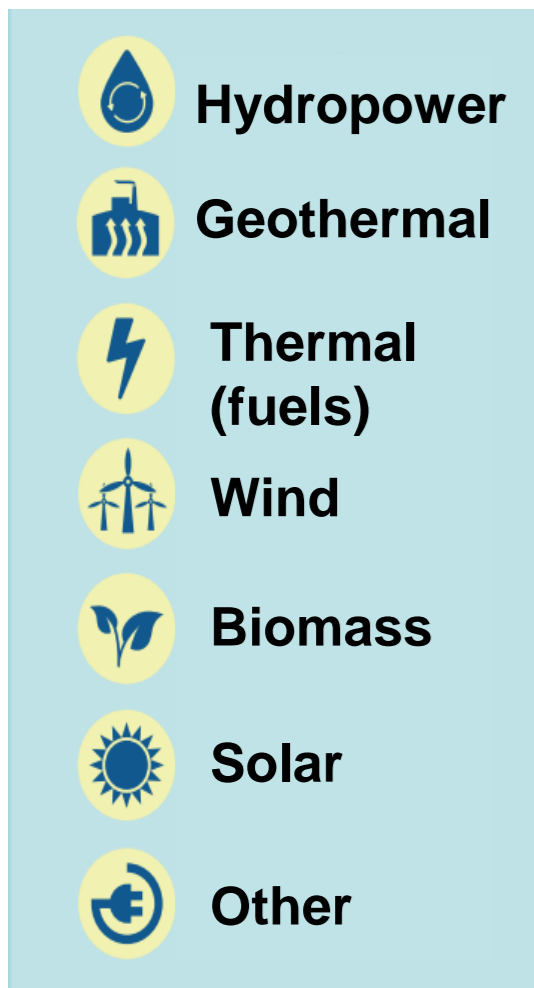
Decarbonization process: clean energy



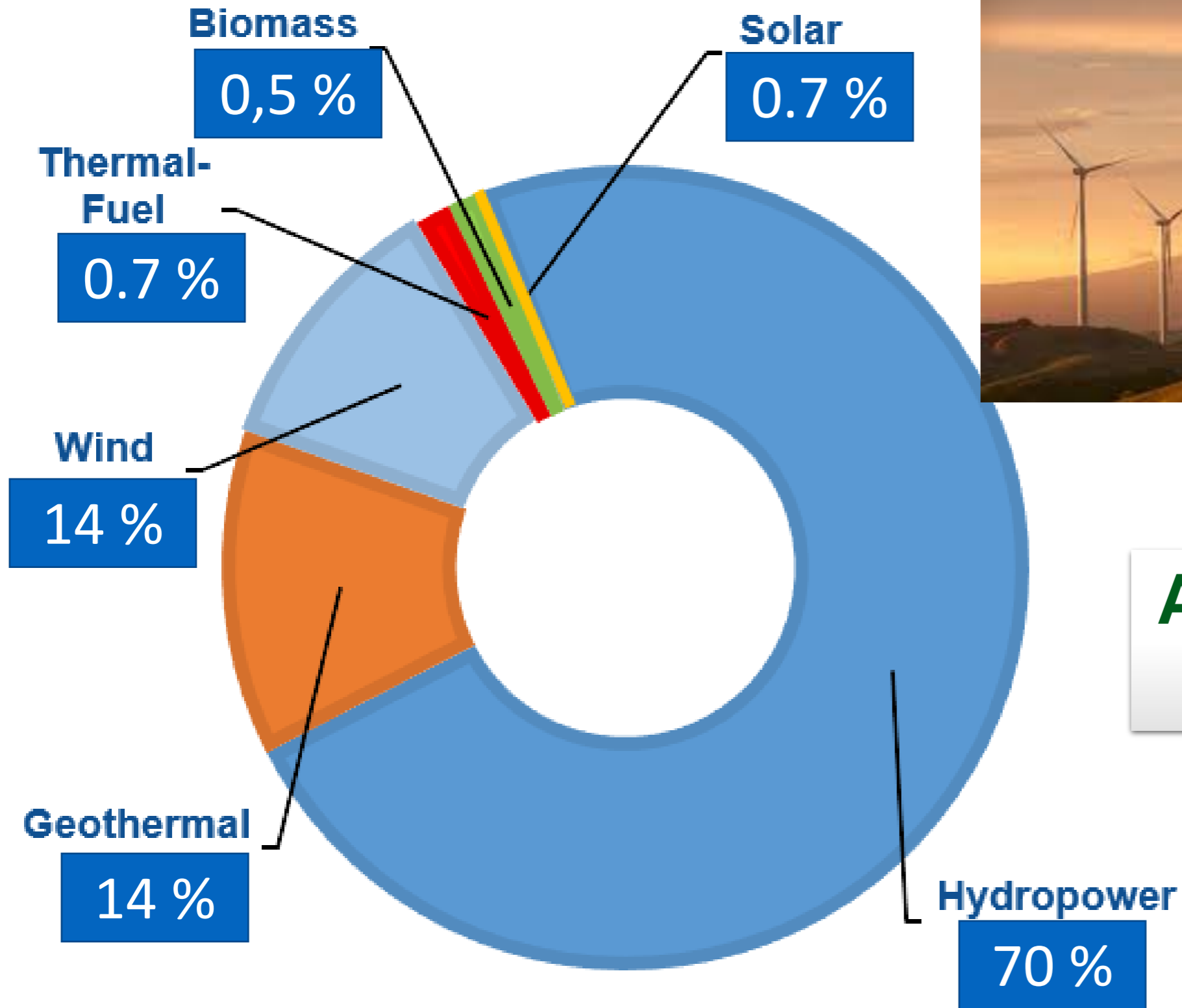
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Evolution of energy generation by source -GWh- Electricity generation

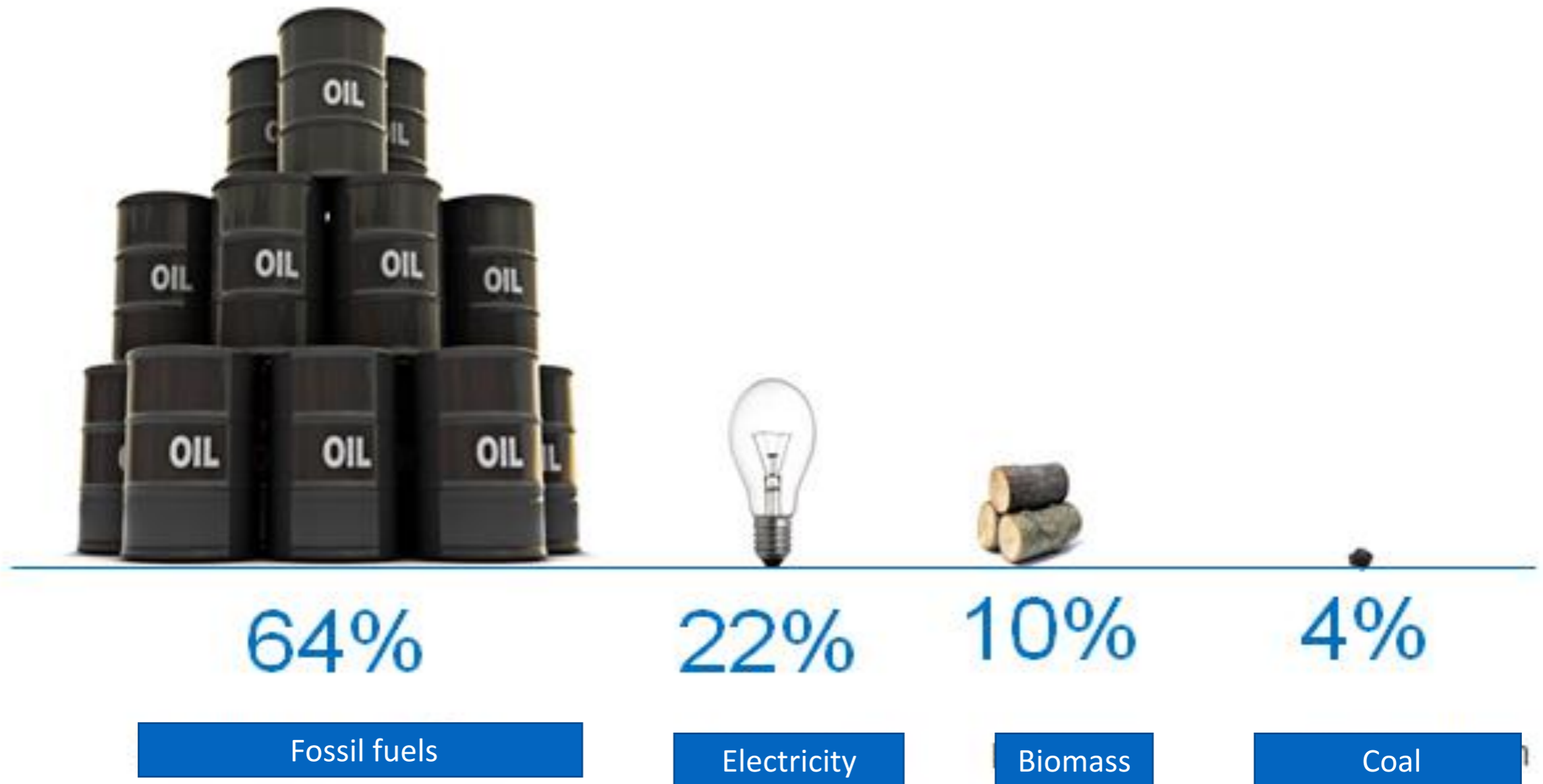


Energy Mix -Electricity generation-



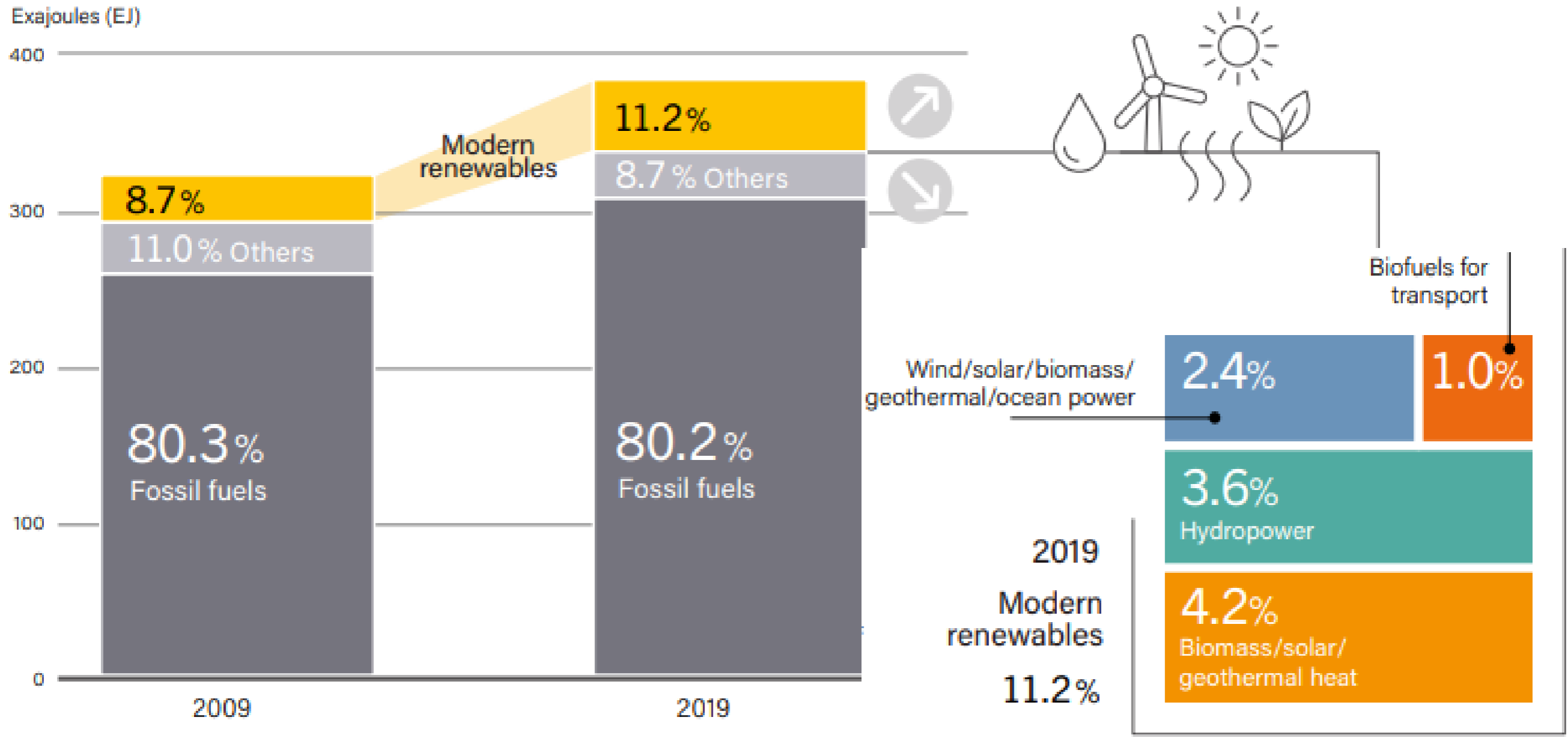
**Almost 100%
renewable**

Energy consumption in Costa Rica



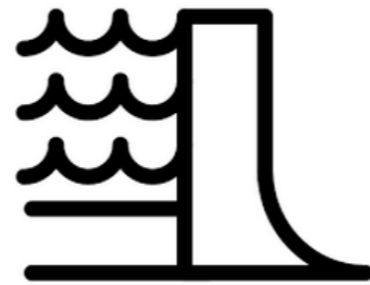
(RENEWABLES 2021 GLOBAL STATUS REPORT)

FIGURE 2.
 Estimated Renewable Share of Total Final Energy Consumption, 2009 and 2019



Electric power generation sources in Costa Rica

Costa Rica has potential to produce excess of electricity and develop new power plants for internal consumption



Hydroelectric



Wind



Solar



Geothermal



Biomass

Public policies related to energy and decarbonization

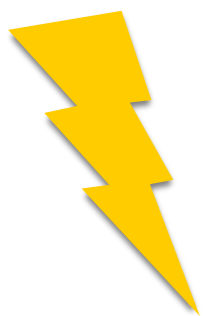


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National Energy Dialogue

Electricity and Fuels-Transportation



- Energy efficiency.
- Optimization of the energy mix.
- Distributed generation.
- Social and environmental aspects.



VII National Energy Policy




- Clean transportation and Energy efficiency.
- Public transportation and road infrastructure.
- Fuels and alternative energy.

Energy planning

5.15

Sector

Ambiente,
Energía, Mares y
Ordenamiento
Territorial



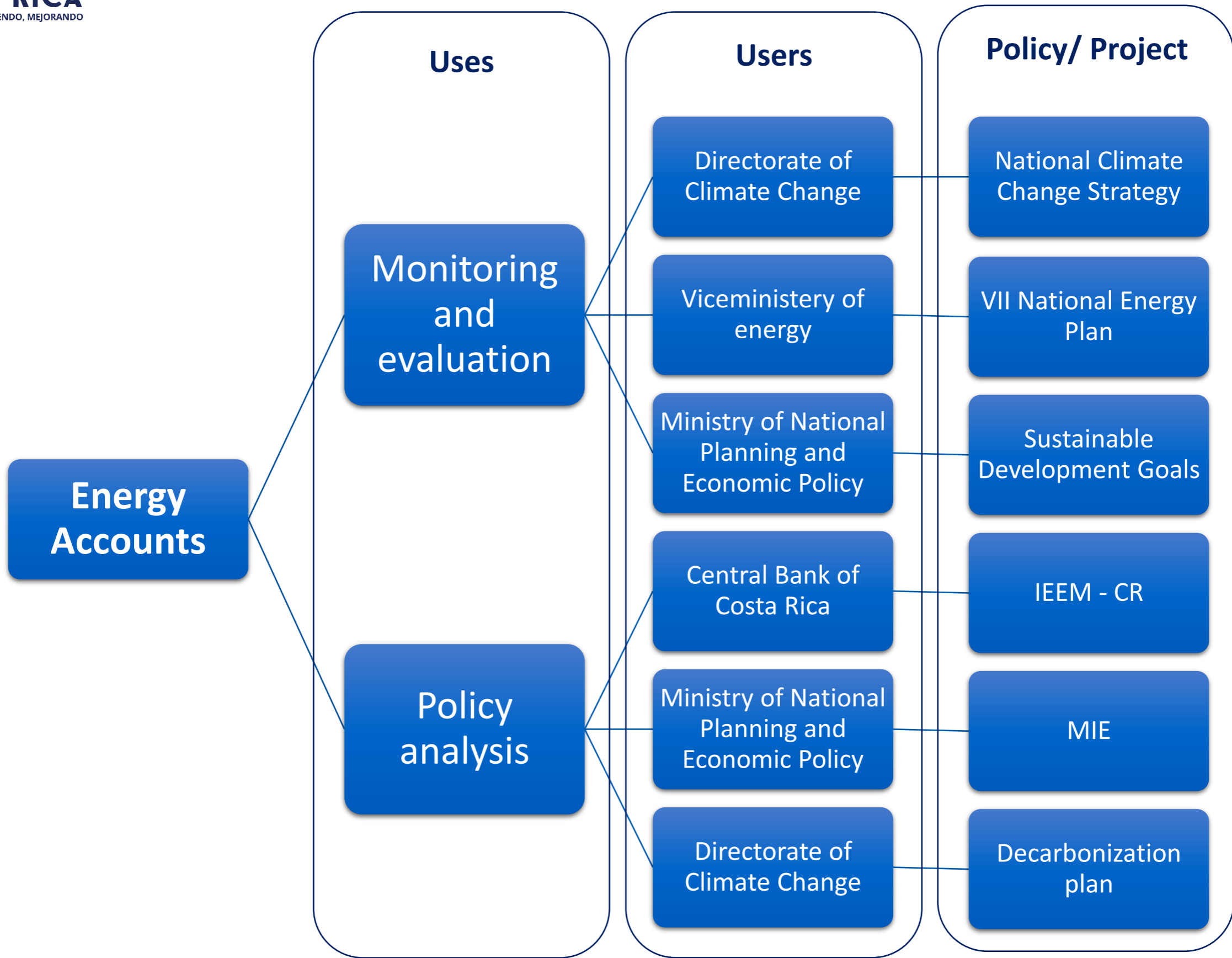
VII

San José,
Costa Rica

Plan Nacional de Energía 2015-2030



**DESCARBONICEMOS
COSTA RICA**
COMPROMISO PAÍS 2018-2050



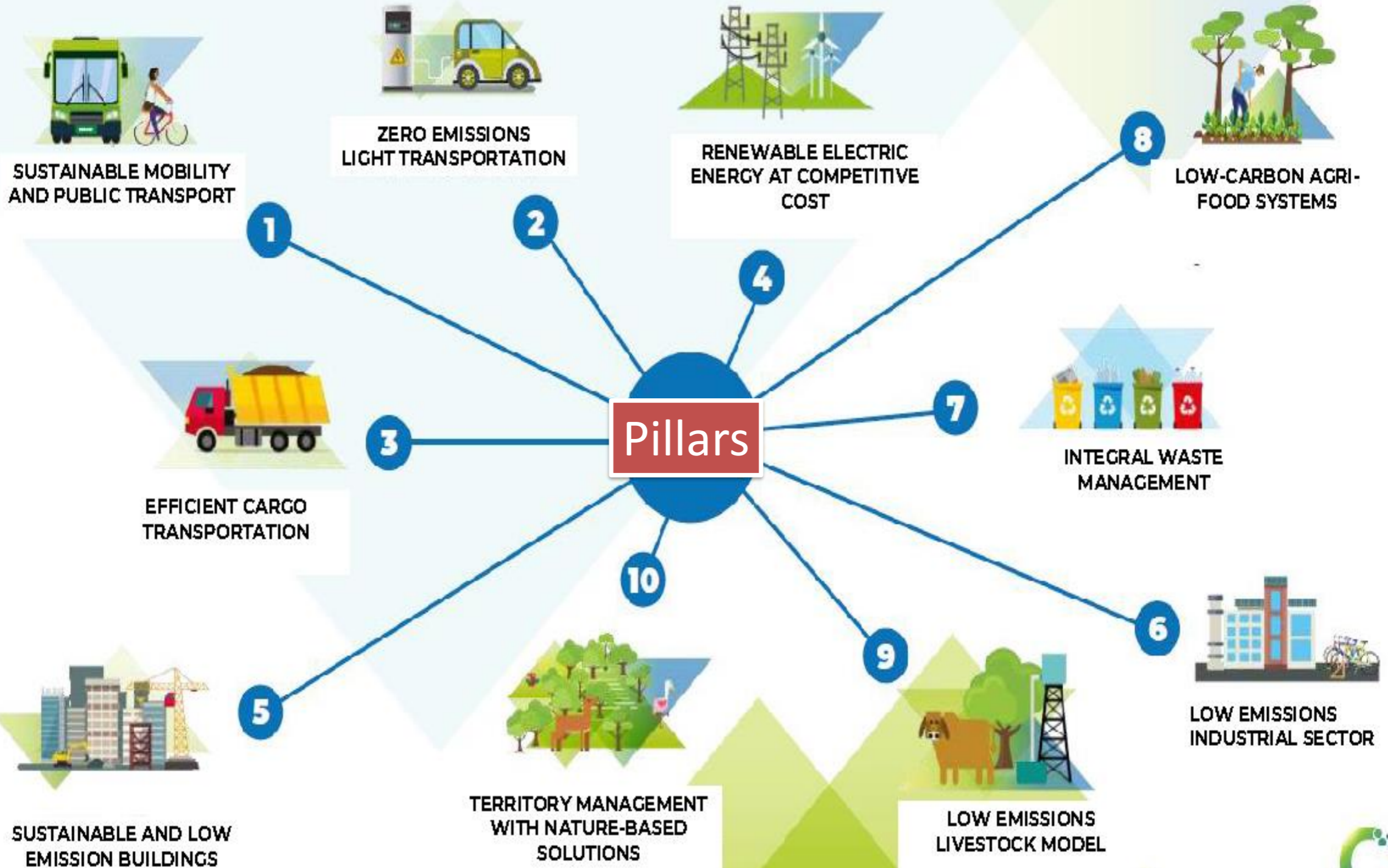
Source: BCCR.

CLIMATE ACTION IN COSTA RICA



Three core instruments

10 DECARBONIZATION STRATEGIC AXES



Priority sectors for emissions reduction

- Electricity generation
 - Transport
 - Agriculture
- Water resources
- Solid waste management
 - Tourism
 - Landscape
 - Bioenergy



DESCARBONICEMOS
COSTA RICA
COMPROMISO PAÍS 2018-2050



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