



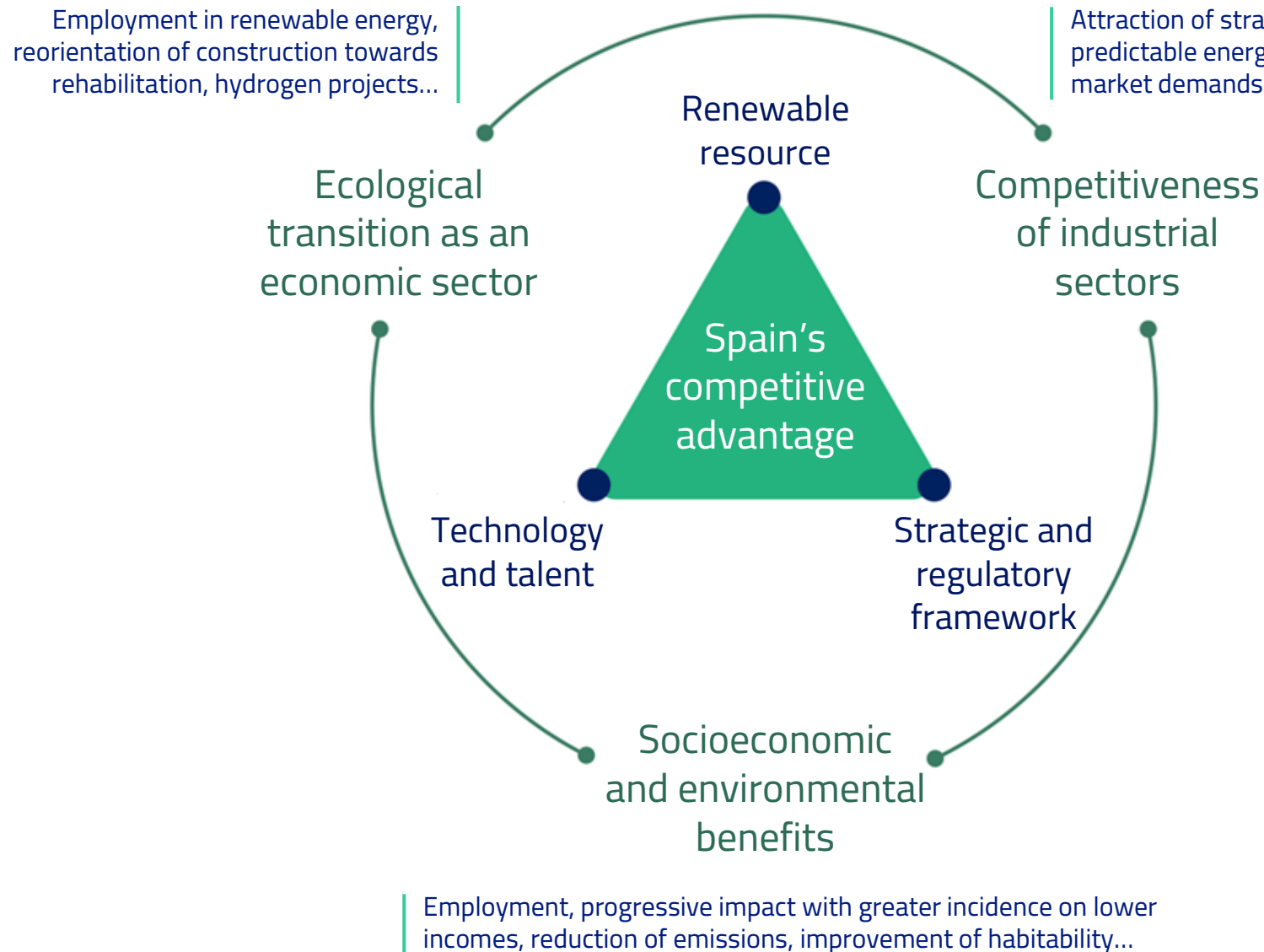
GOBIERNO
DE ESPAÑA

VICEPRESIDENCIA
TERCERA DEL GOBIERNO

MINISTERIO
PARA LA TRANSICIÓN ECOLÓGICA
Y EL RETO DEMOGRÁFICO

Spain: LTES

From Energy Modelling to Climate Action: Spain's approach



Progress 2019-2023:

+40% installed renewable power

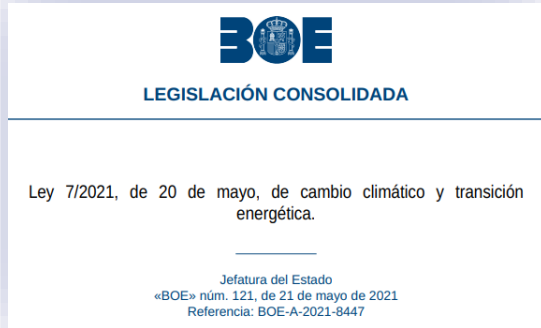
+54% employment in the sector

+1.600% self-consumption

**+50% renewables in electricity
Generation in 2023**

Photovoltaic energy: record in employment, exports and installed capacity in one year. Leaders in signing PPAs.

The **Regulation 2018/1999 on the Governance of the Energy Union and Climate Action** mandates the development of National Integrated Energy and Climate Plans (PNIEC) and Long-Term Strategies



Law on Climate Change and Energy Transition

The NECP and the 2050 Decarbonization Strategy serve as national strategic planning tool that integrates energy and climate policies, reflecting Spain's commitment to achieving objectives set within the European Union (NDC)

According to the **Governance Regulation**, the results and measures to achieve NECP objectives are structured around the following **five dimensions** of the Energy Union:

Dimensions of the
NECP 2023-2030

Decarbonization

Energy Efficiency

Energy Security

Internal Energy
Market

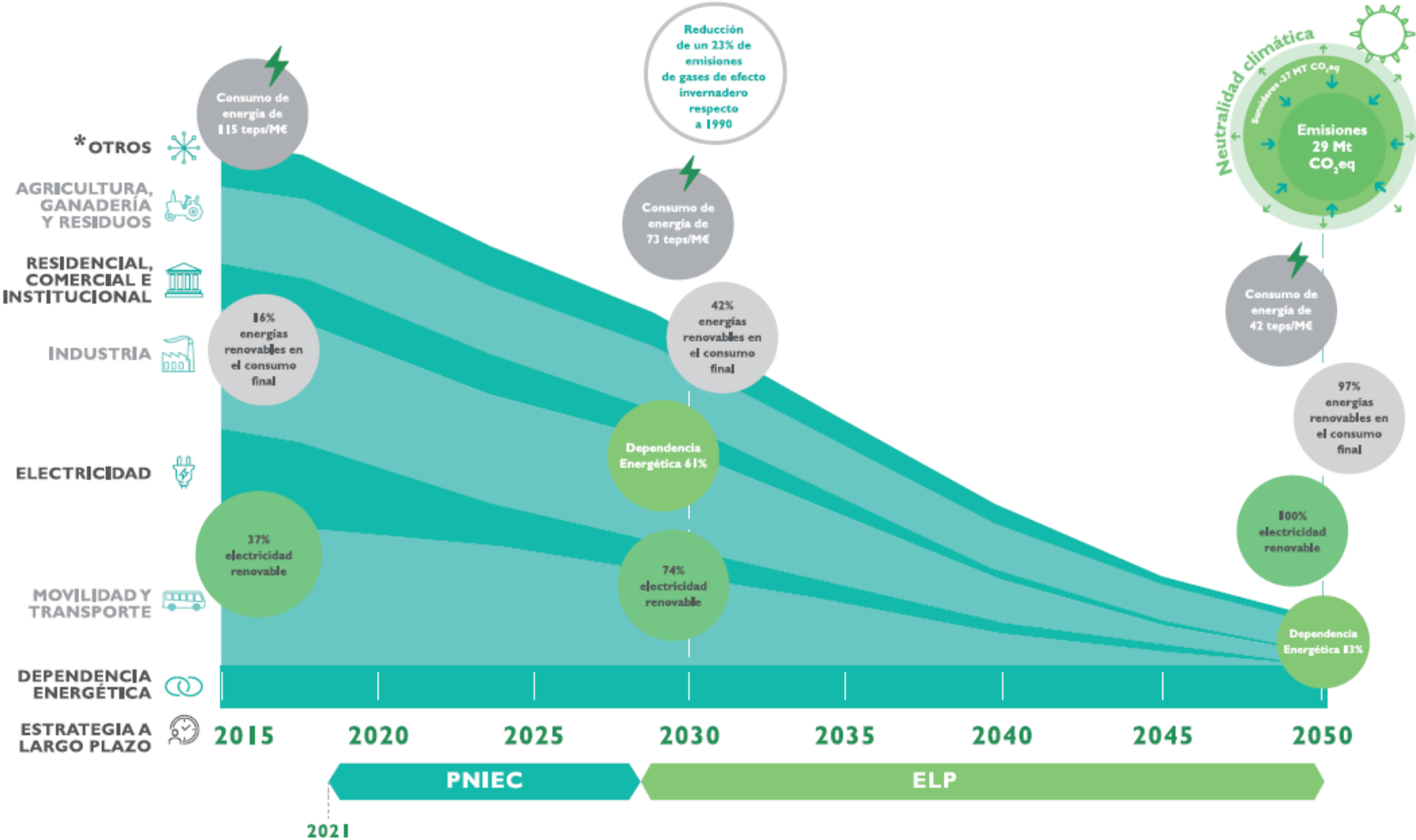
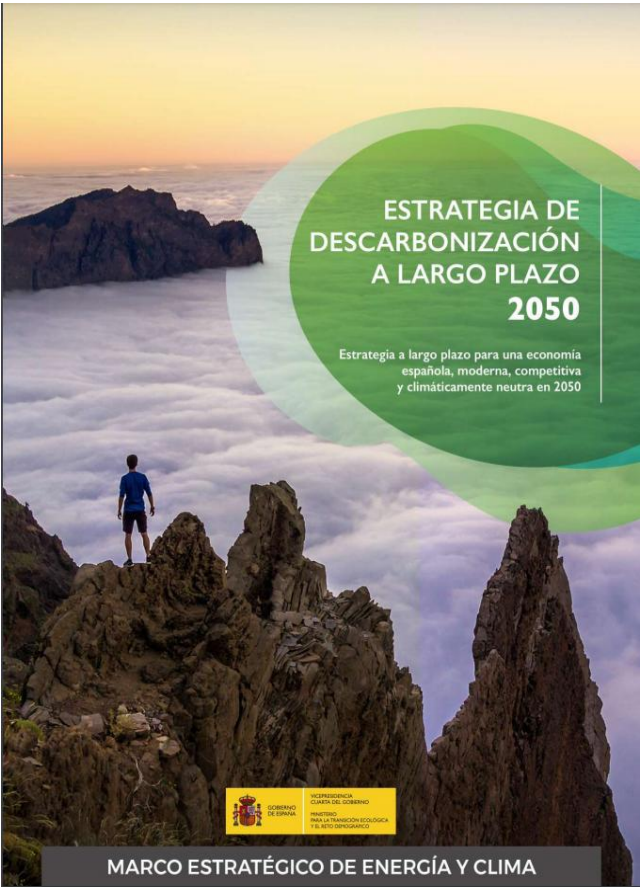
Research,
Innovation and
Competitiveness

Cross-cutting
issues



Socio-economic
impact

Projected evolution of GHG emissions by sector from 1990 to 2050 in the Climate Neutrality Scenario



*OTHERS: other sectors, fugitive emissions, product use, and fluorinated gases

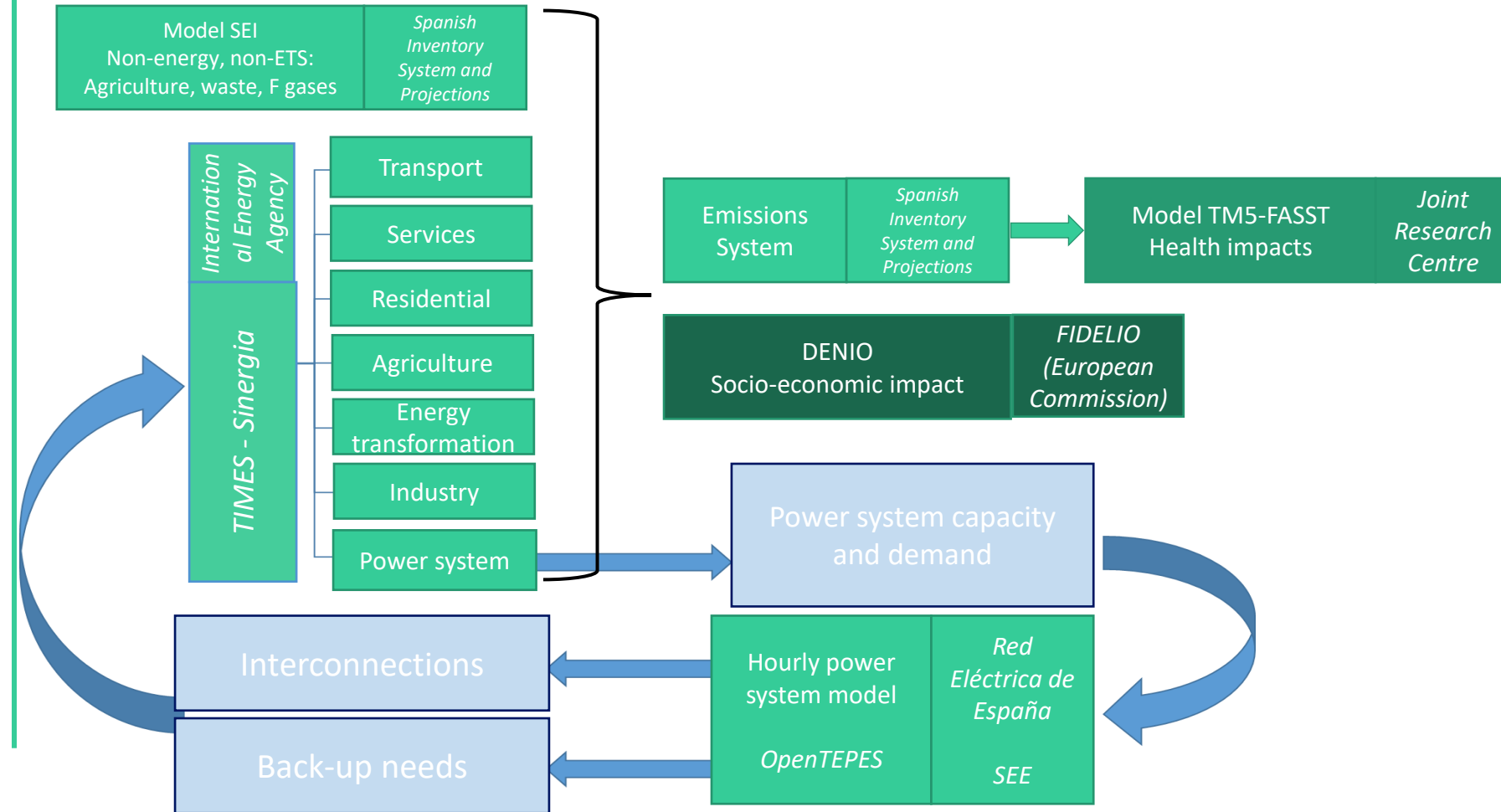
New scenario

- ✓ New statistical data
- ✓ RRF
- ✓ Fit for 55 & RePowerEU
- ✓ +SE plan
- ✓ National and EU regulation (NDC)
- ✓ Workshops
- ✓ Strategies and roadmaps
- ✓ New electricity grid planning
- ✓ Public consultation
- ✓ European Commission recommendations
- ✓ Environmental Assessment

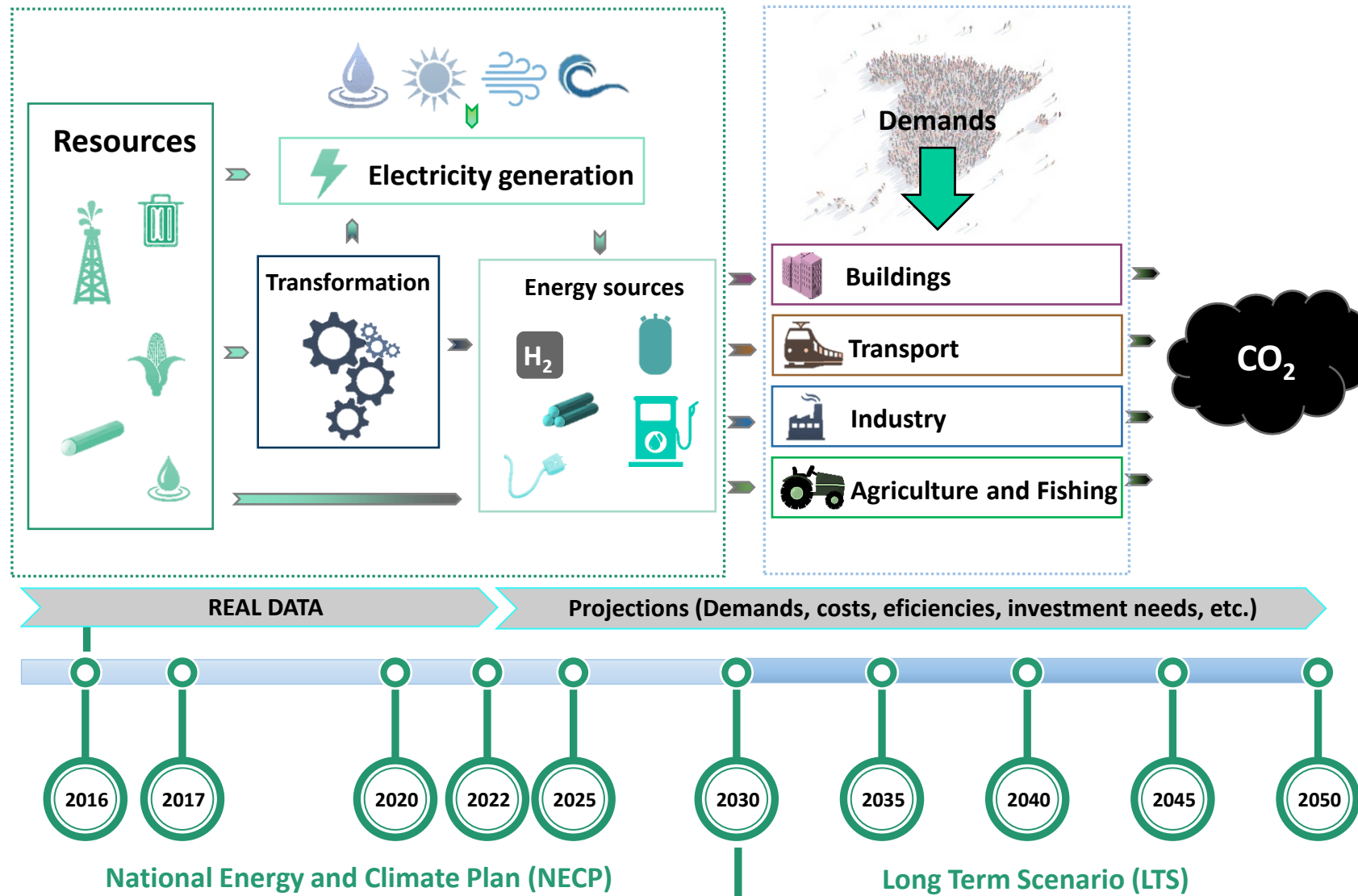
Updated macroeconomic data and assumptions

- ✓ Energy balance
- ✓ GDP pathway
- ✓ CO₂ prices pathway
- ✓ Fuel prices pathway
- ✓ Investment needs

Robust methodology



TIMES – Sinergia projections





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arecio@miteco.es