

MACROECONOMIC IMPACT ASSESSMENT OF THE SPANISH NATIONAL ENERGY AND CLIMATE DRAFT PLAN (NECP)

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Sustainability, that's it!

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1. Background and aims

The Integrated National Energy and Climate Plans (NECP) 2021-2030, which cover all five dimensions of the Energy Union, are an essential tool to allow the achievement of the overall Energy Union objectives and targets by Member States in a cooperative way. Spain had already produced and sent his draft plan to the European Commission. An important part of this plan is the economic, social and health impact study, that had been co-produced by the Basque Centre for Climate Change (BC3) with the Spanish Ministry for Ecological Transition (MITECO).

The study differentiates between a Baseline scenario (GHG emissions increase by 8 % in 2030 compared to 1990) and a Target scenario (GHG emissions decrease by 20 % in 2030). The impact study carried out is an integrated analysis (including the relationships between the energy and economic systems), multisectorial (including all economic sectors and not only energy or electricity), multidimensional (including other dimensions such as health effects) and social (addressing macroeconomic impacts and their distributive and social impact in a consistent and joint manner).

This study analyses the economic, social and health impact of the Spanish Integrated National Energy and Climate Draft Plan.

2. Methodology

FIVE DIMENSIONS OF THE ENERGY UNION

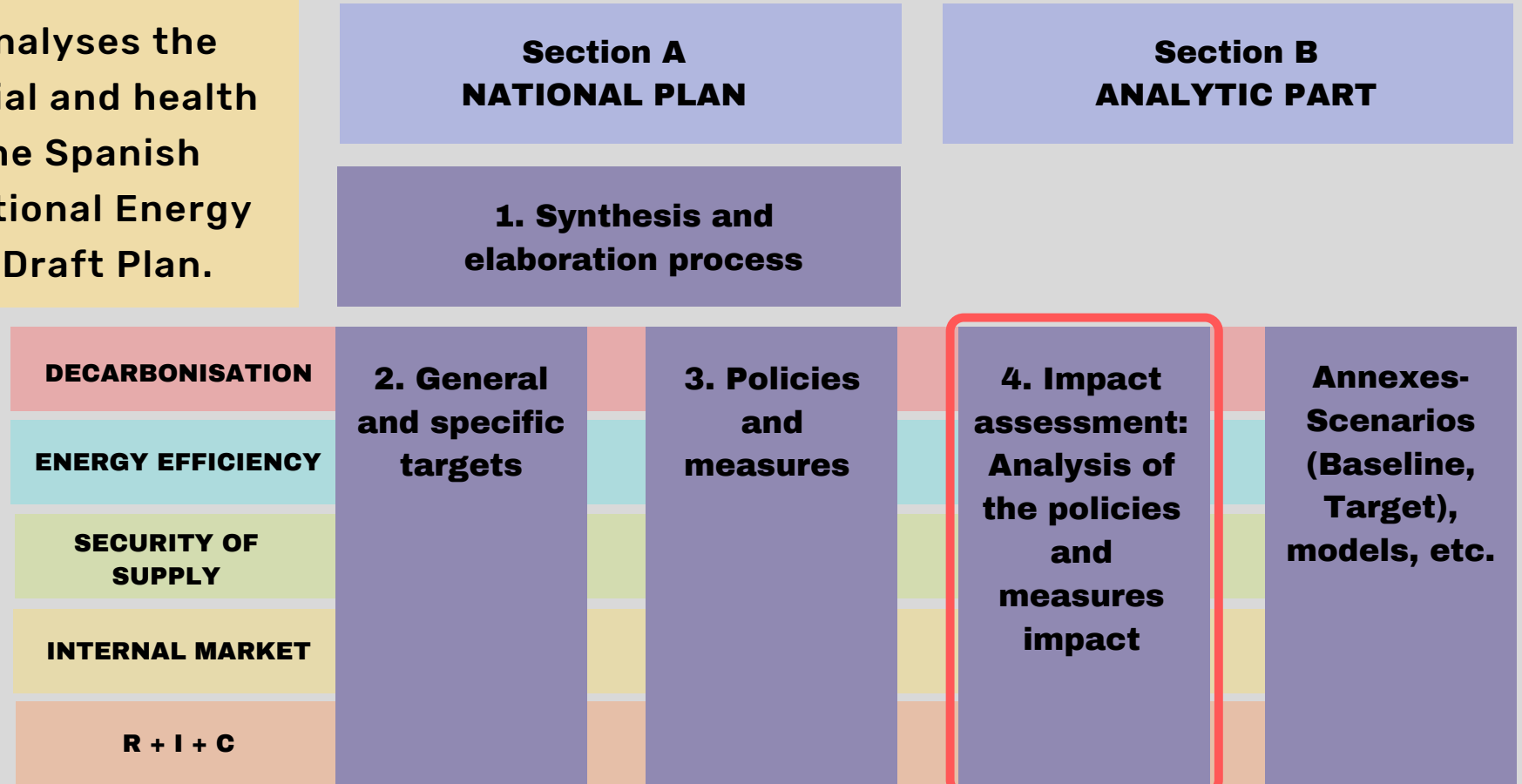


Figure 1. Plan development process

3. Energy modeling

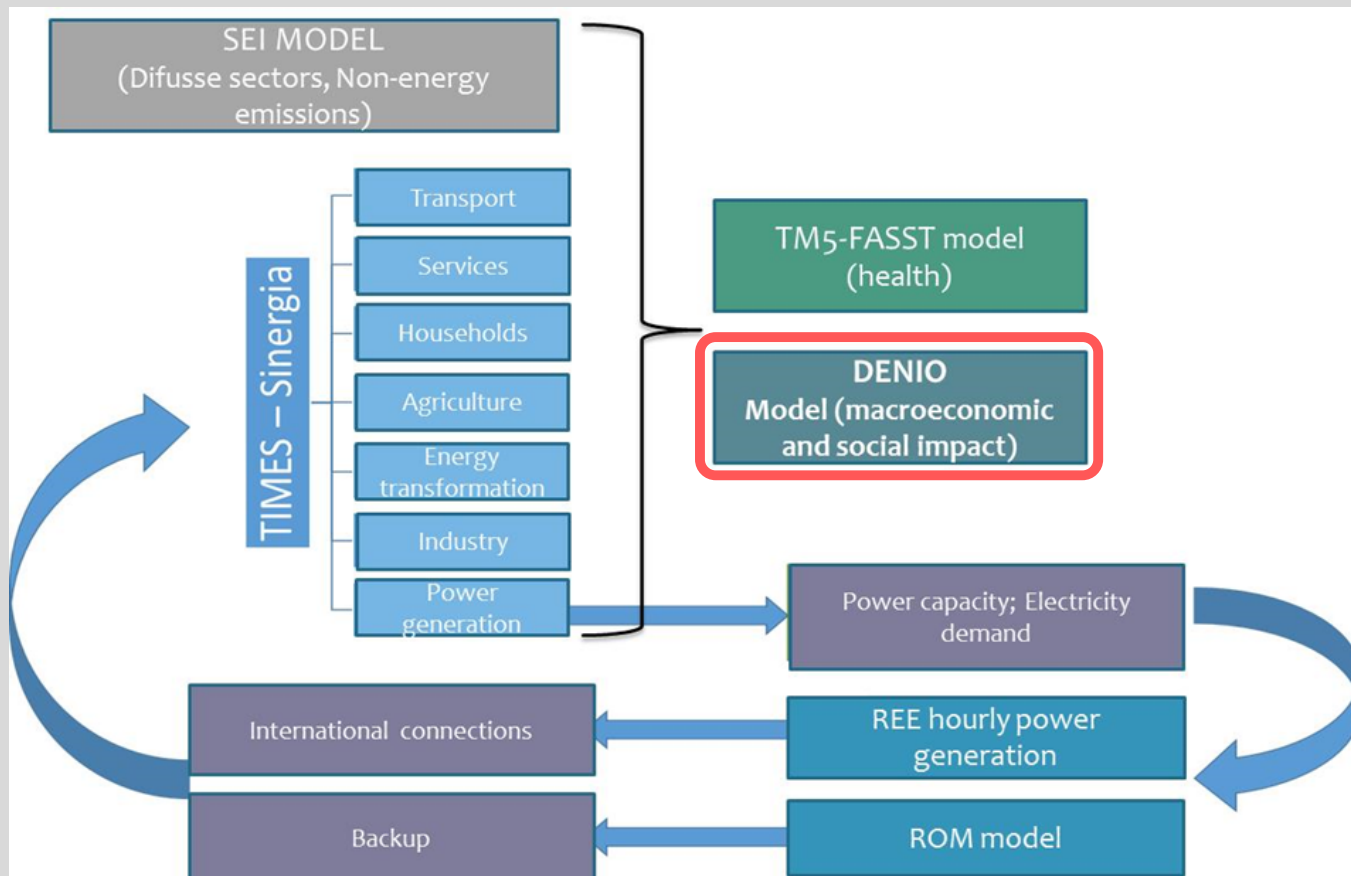


Figure 2. Models used

4. Investments

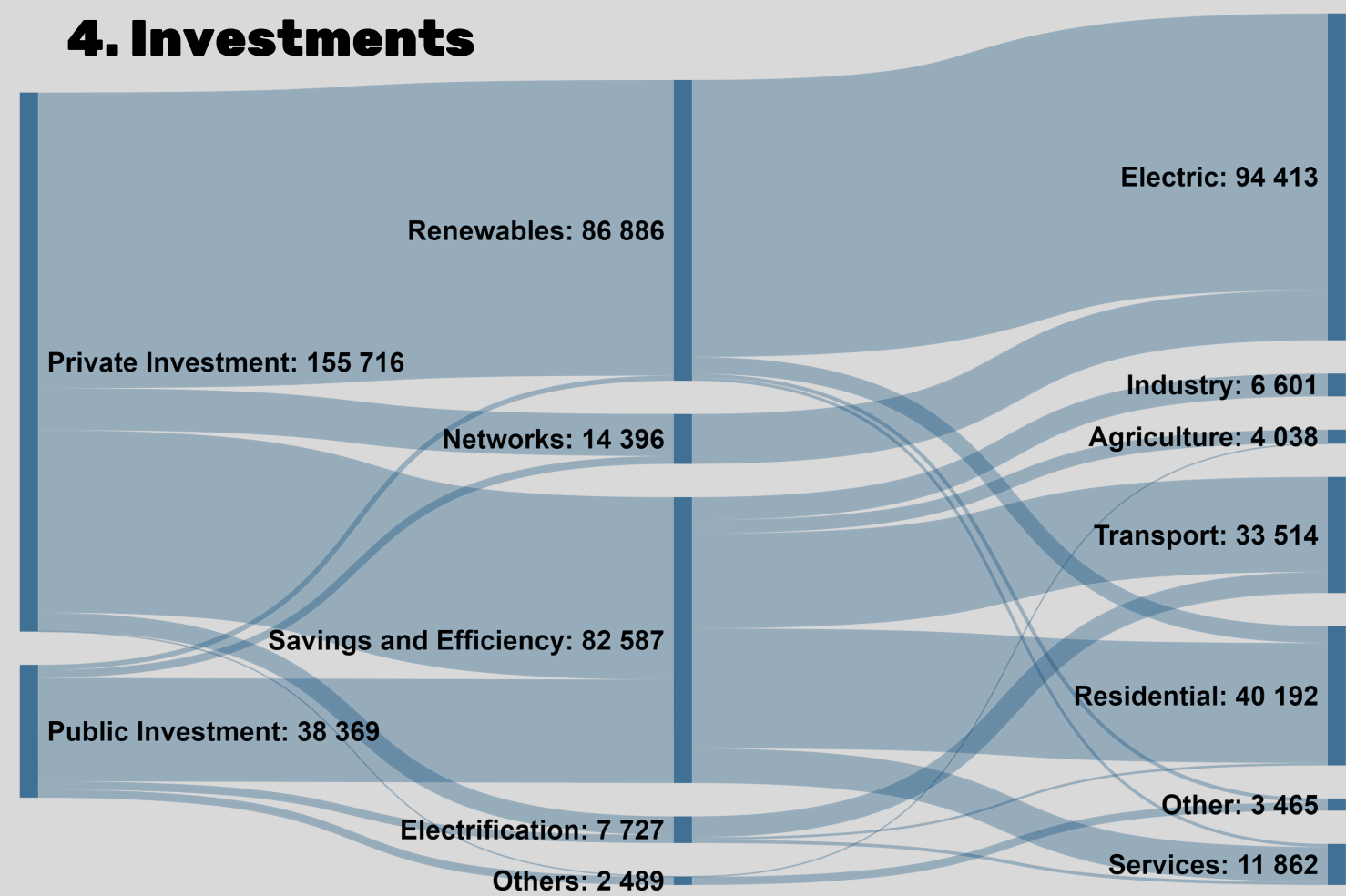


Figure 3. Sankey diagram of additional investments.

5. Results

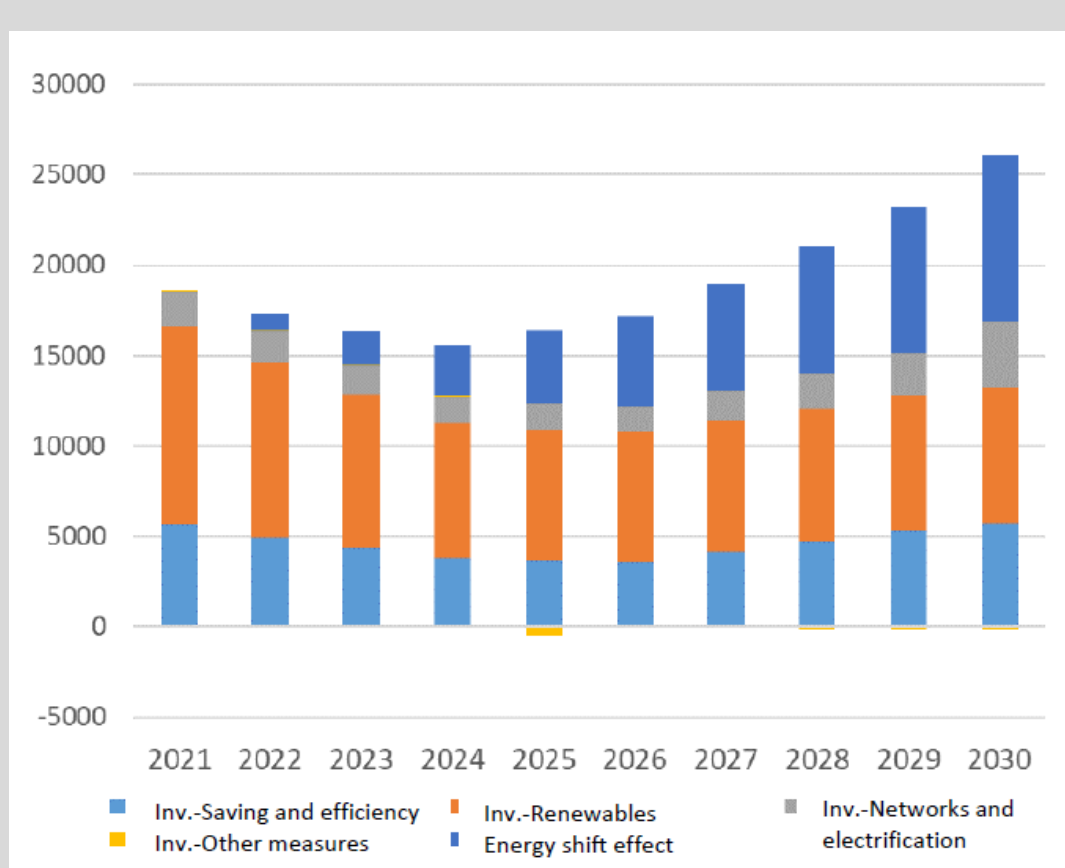


Figure 4. Impact on GDP by type of measure (€ m)

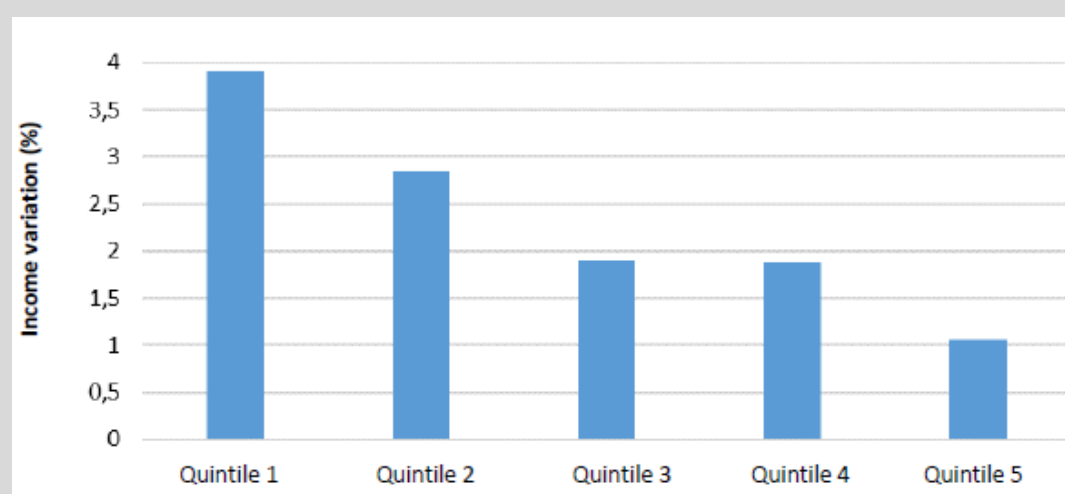


Figure 5. Variation in disposable income in 2030 by income quintiles (%)

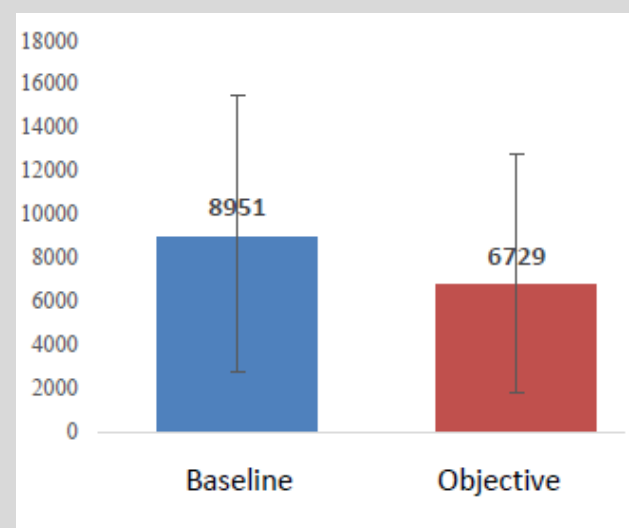


Figure 6. Premature deaths in 2030 due to air pollution (persons)

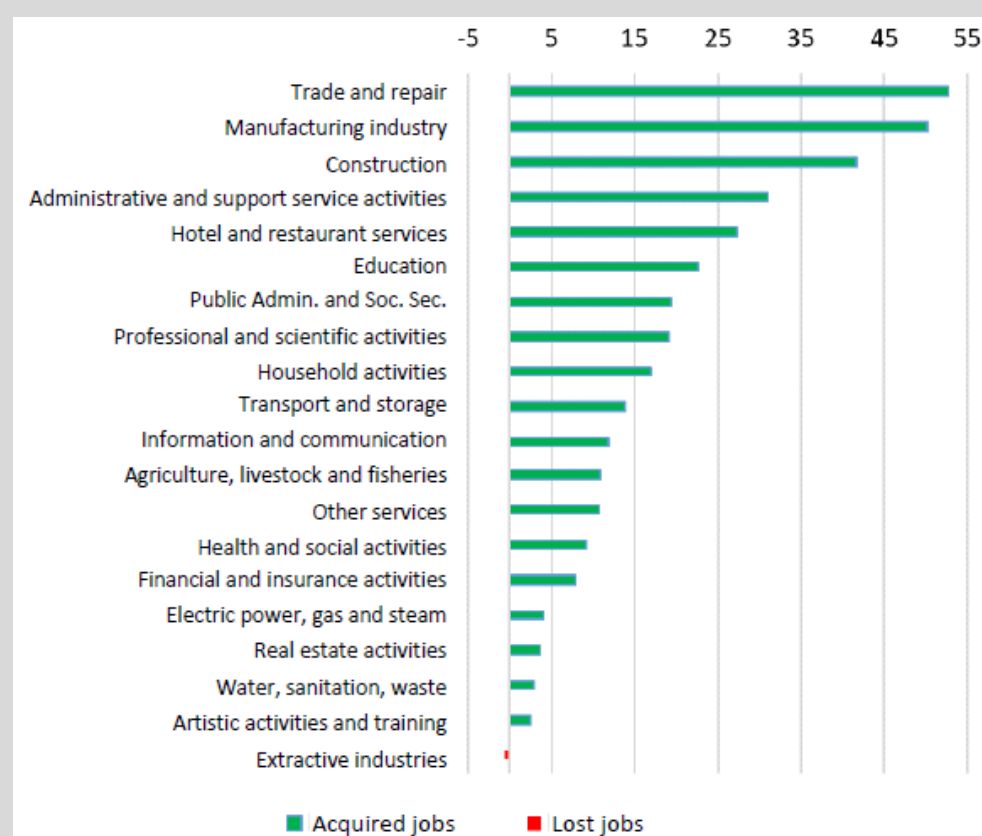


Figure 7. Impact on employment by sector (thousands of jobs/year)

6. Conclusions

- **Total investments mobilised:** EUR 236 bn between 2021 and 2030.
- **Fossil fuel imports:** reduction of EUR 75 bn accumulated between 2021 and 2030.
- **GDP:** increases by EUR 19.3 to EUR 25.1 bn/year (+1.8 % GDP in 2030)
- **Net employment:** increases by 250,000 to 364,000 jobs/year (+1.7 % in 2030)
- **Premature deaths due to air pollution in 2030 decrease by 2,222 people, going from 8,951 in the Baseline scenario to 6,729 in the Target scenario.**
- **The NECP also favours lower-income households and vulnerable groups.**

More information:

https://ec.europa.eu/energy/sites/ener/files/documents/ec_courtesy_translation_es_necp.pdf

