

European Structural Funds

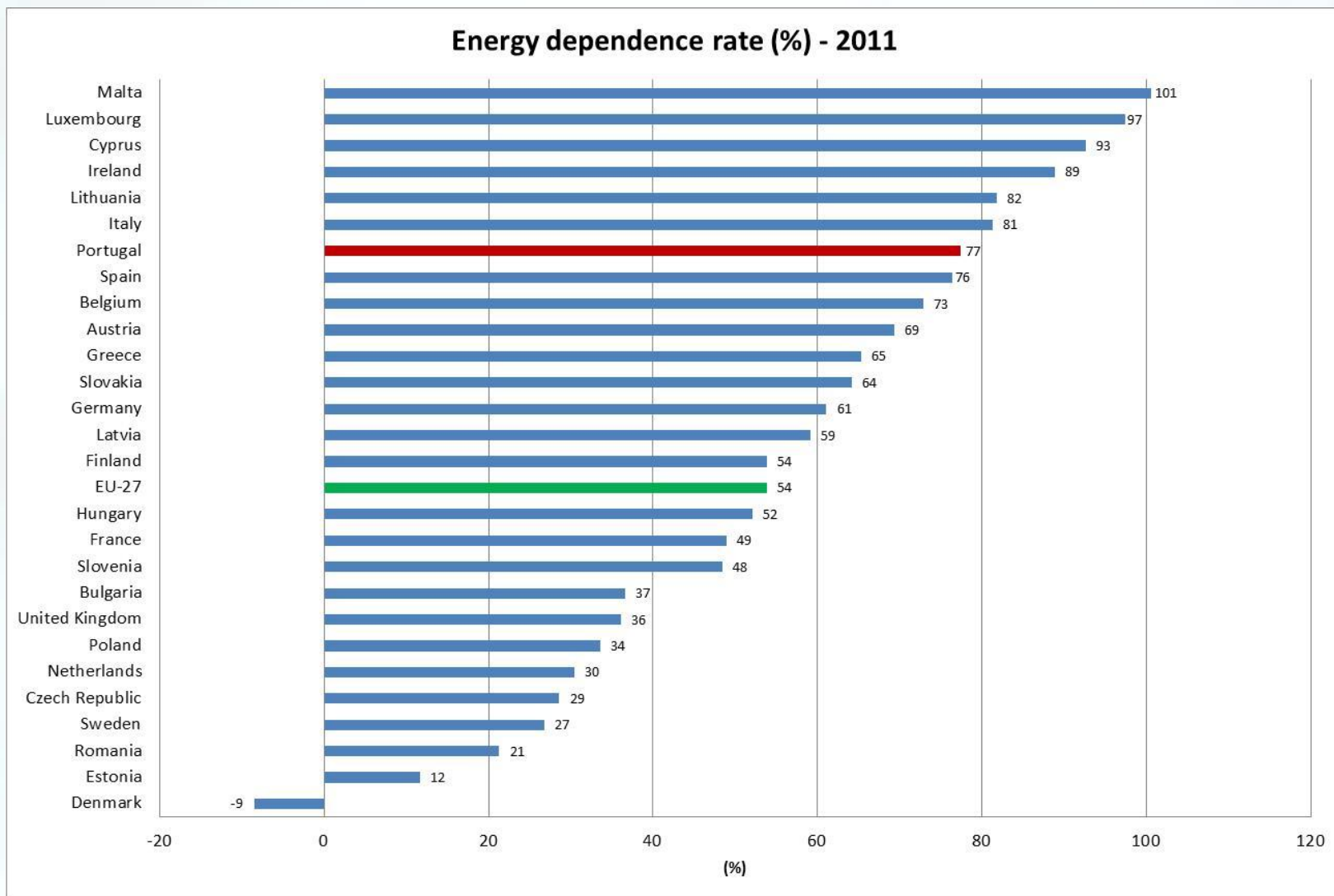
Identifying strategic opportunities

Setting priorities for action

Lisbon, 25th November 2013



The high degree of energy dependence

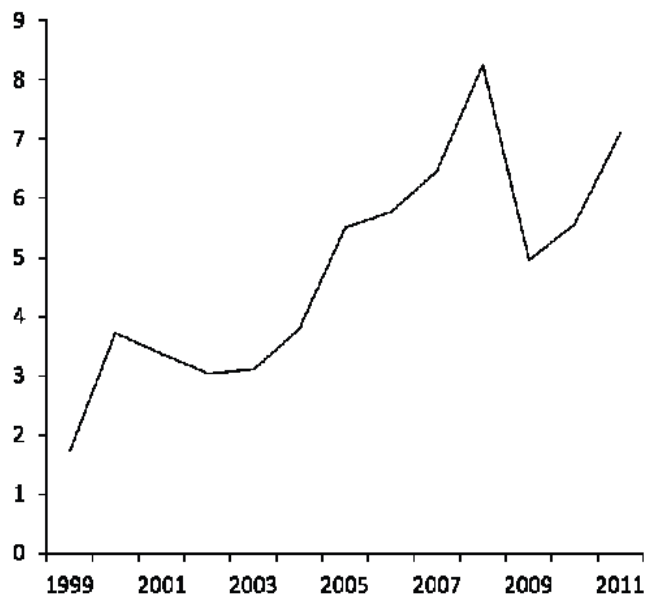


Note: The energy dependence rate is defined as net imports (imports minus exports) divided by gross consumption, expressed as a percentage.
Source: Eurostat.

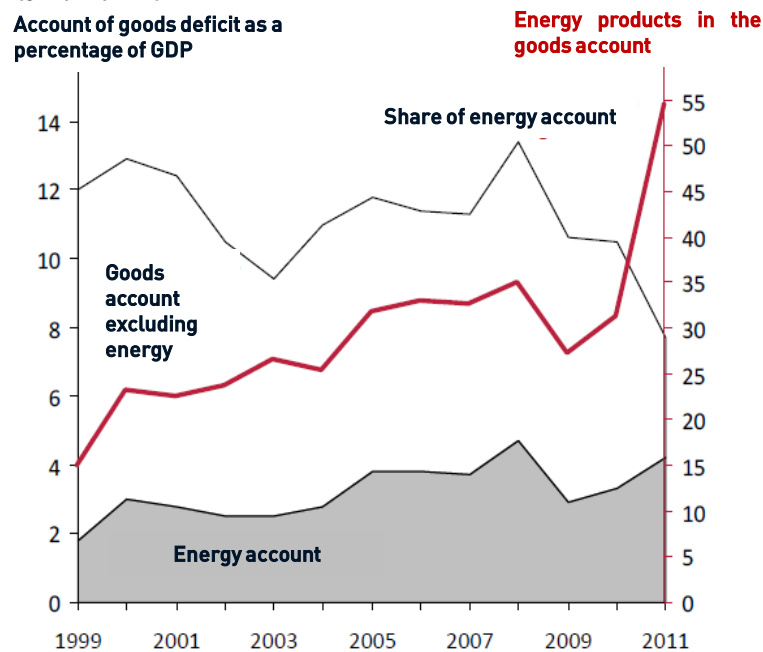


Current Account (goods) deficit: an increasing weight of energy component

Portugal's Energy Bill
billion euros (1999-2011)



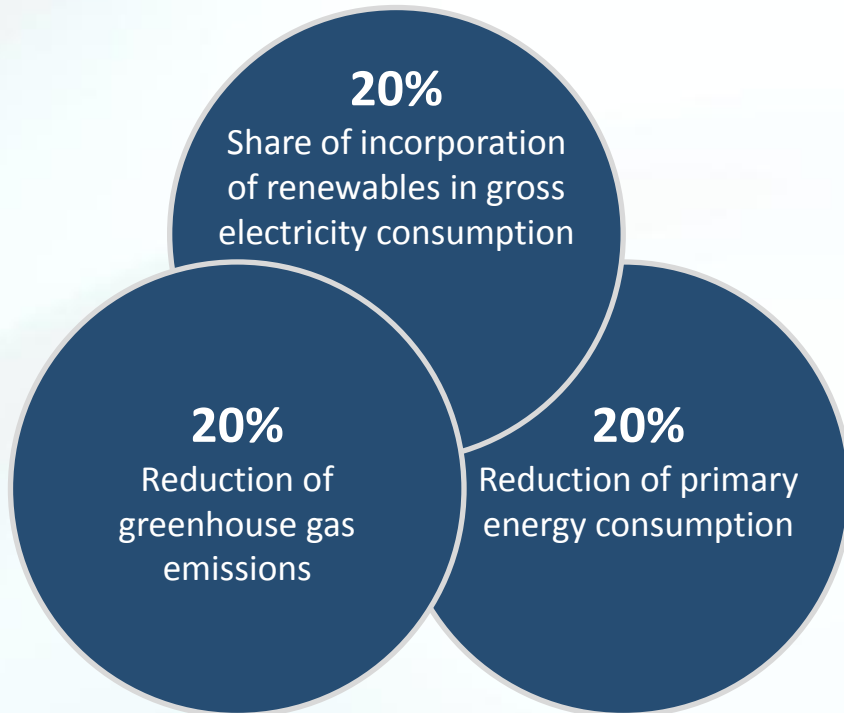
Breakdown of the deficit in the goods account
% of the GDP and % energy in the balance of goods account
(1999-2011)



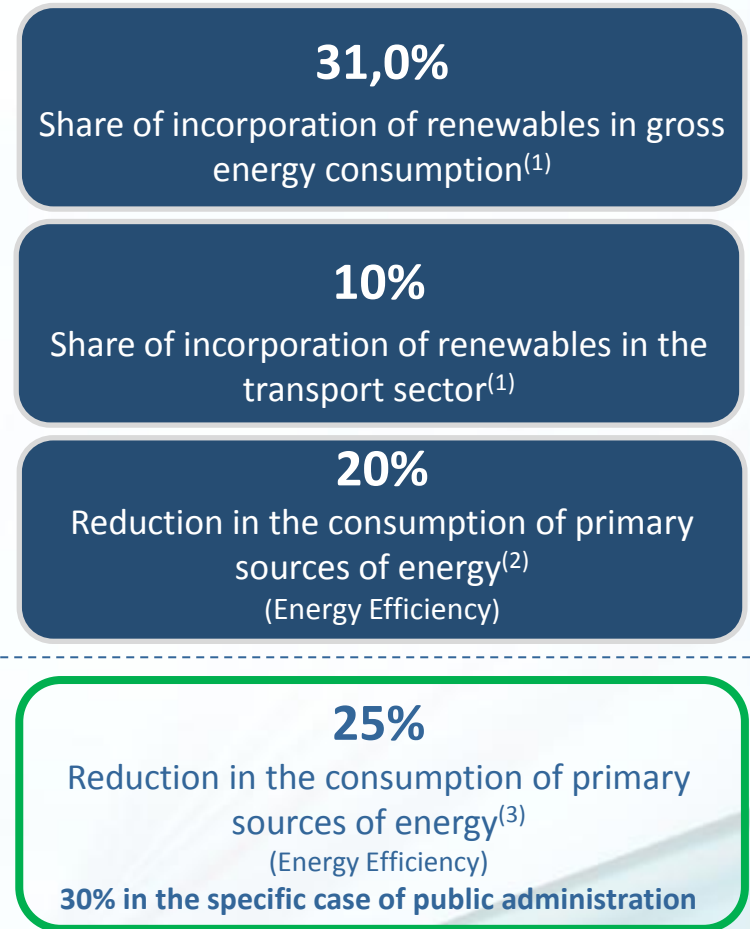
Adapted from: EDP; Directorate General of Energy and Geology; Banco de Portugal.

Energy Targets

EU targets by 2020



National targets by 2020



(1) EU binding target ; (2) Reduction in the consumption of primary sources of energy by 2020 (Primes model) ; (3) Government's target

European energy policies

Main official documents:

- EU 2020 Strategy and flagship initiative “*Resource Efficient Europe*”;
- Energy Efficiency Plan (2011);
- European Energy Programme for Recovery;
- Energy Security and Solidarity Action Plan;
- Roadmap for Moving to a Competitive Low-Carbon Economy in 2050;
- Directive 2009/28/EC – on the promotion of the use of energy from renewable sources;
- Directive 2010/31/UE – on the energy performance of buildings;
- Directive 2012/27/UE - establishes a common framework of measures for the promotion of energy efficiency within the EU.



National energy policy

Main official documents:

- National Strategy for Sustainable Development (ENDS 2015);
- Energy Efficiency Strategy (this strategy repealed the National Strategy for Energy - ENE 2020);
- National Renewable Energy Action Plan 2013-2020 (Strategy for Renewable Energies);
- National Energy Efficiency Action Plan 2013-2016 (Strategy for Energy Efficiency);
- Energy Efficiency Programs in Public Administration (ECO.AP)
- Sectorial Plans for building a low-carbon economy;
- Energy Performance Contracting.

Mechanisms for funding energy

National funding

Energy Efficiency Fund

Innovation Support Fund

Portuguese Carbon Fund

Plan for Promoting Efficiency in
Electricity Consumption

European funding

Structural Funds 2014-2020

JESSICA

*(Joint European Support for Sustainable
Investment in City Areas)*



4th Thematic objective 2014-2020 - *Supporting the shift towards a low-carbon economy in all sectors*

Thematic objective	Investment Priorities
Supporting the shift towards a low-carbon economy in all sectors	Promoting the production and distribution of renewable energy sources
	Promoting energy efficiency and renewable energy use in SMEs
	Supporting energy efficiency and renewable energy use in public infrastructures and in the housing sector
	Developing smart distribution systems at low voltage levels
	Promoting low-carbon strategies for urban areas

Promoting the production and distribution of renewable energy sources

1) **Production technologies that have passed their stage of maturity**, their stage of development (pilot project or start-up), and that are being disseminated. However, these technologies are not yet economically viable (defined by the price at energy is sold).

Examples: thermal solar; solar photovoltaic; biomass; biogas; upgrade and injection of biomethane into the natural gas system.



Promoting the production and distribution of renewable energy sources

2) Technologies with great potential but still under development or demonstration and high costs.

Examples: wave and tidal energy; offshore wind energy; concentrated photovoltaic system; hydrogen-related technologies.

Promoting the production and distribution of renewable energy sources

Main objectives and expected outcomes:

- Diversification of energy sources and development of renewable energy sources, taking advantage of the specific energy potential and reducing national energy dependence;
- Integration of renewable energy sources into the grid;
- Production optimization and a more secure energy supply.

