



MINISTRY  
OF  
ECONOMY



# Energy Policy of Poland until 2030

Prague, October 22nd, 2012.

Krzysztof Maryl Ph.D

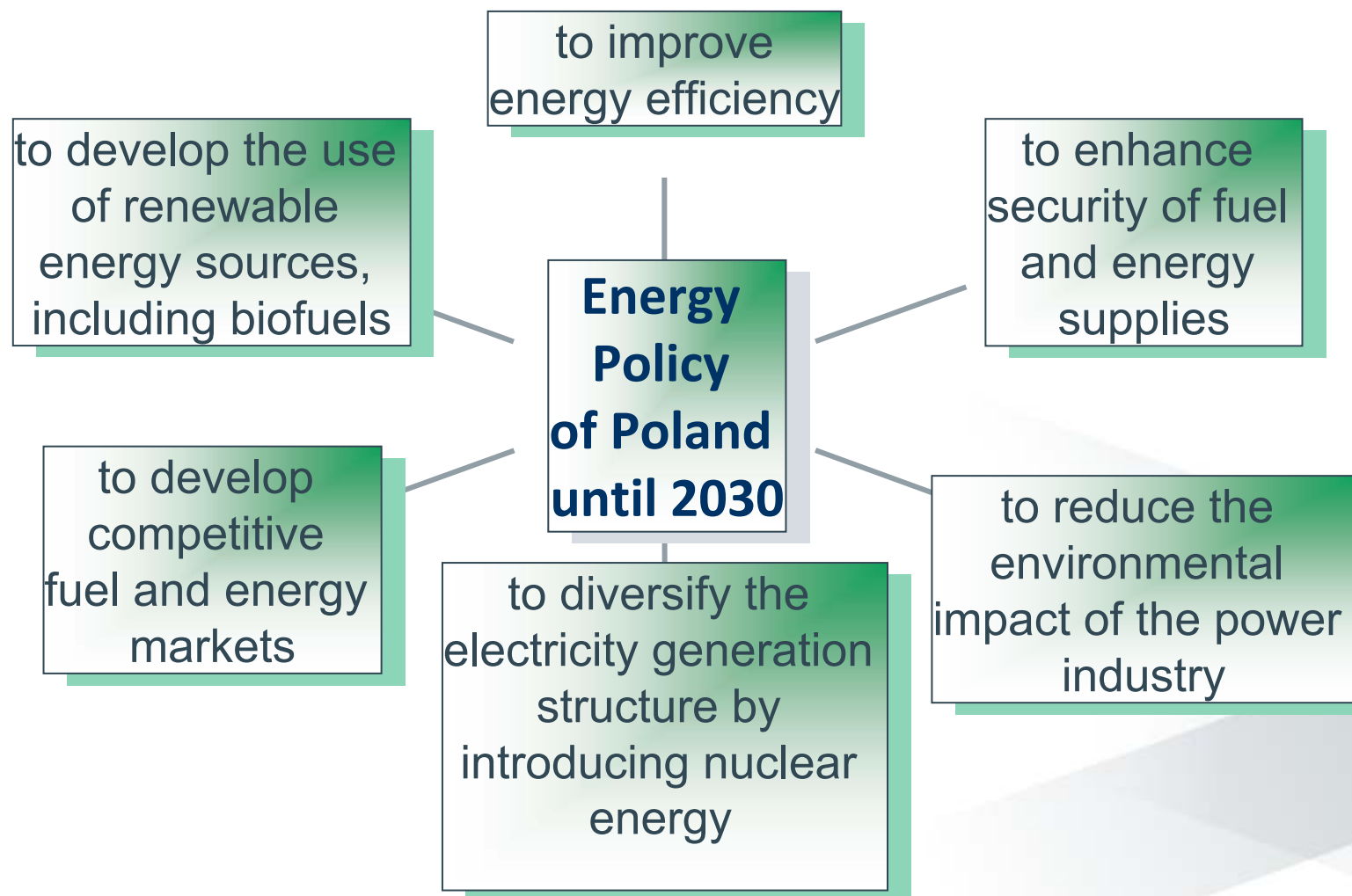


# Outline

- Priorities
- Challenges
- Figures
- Achievements
- Prospects



# Poland's Energy Policy - main priorities...

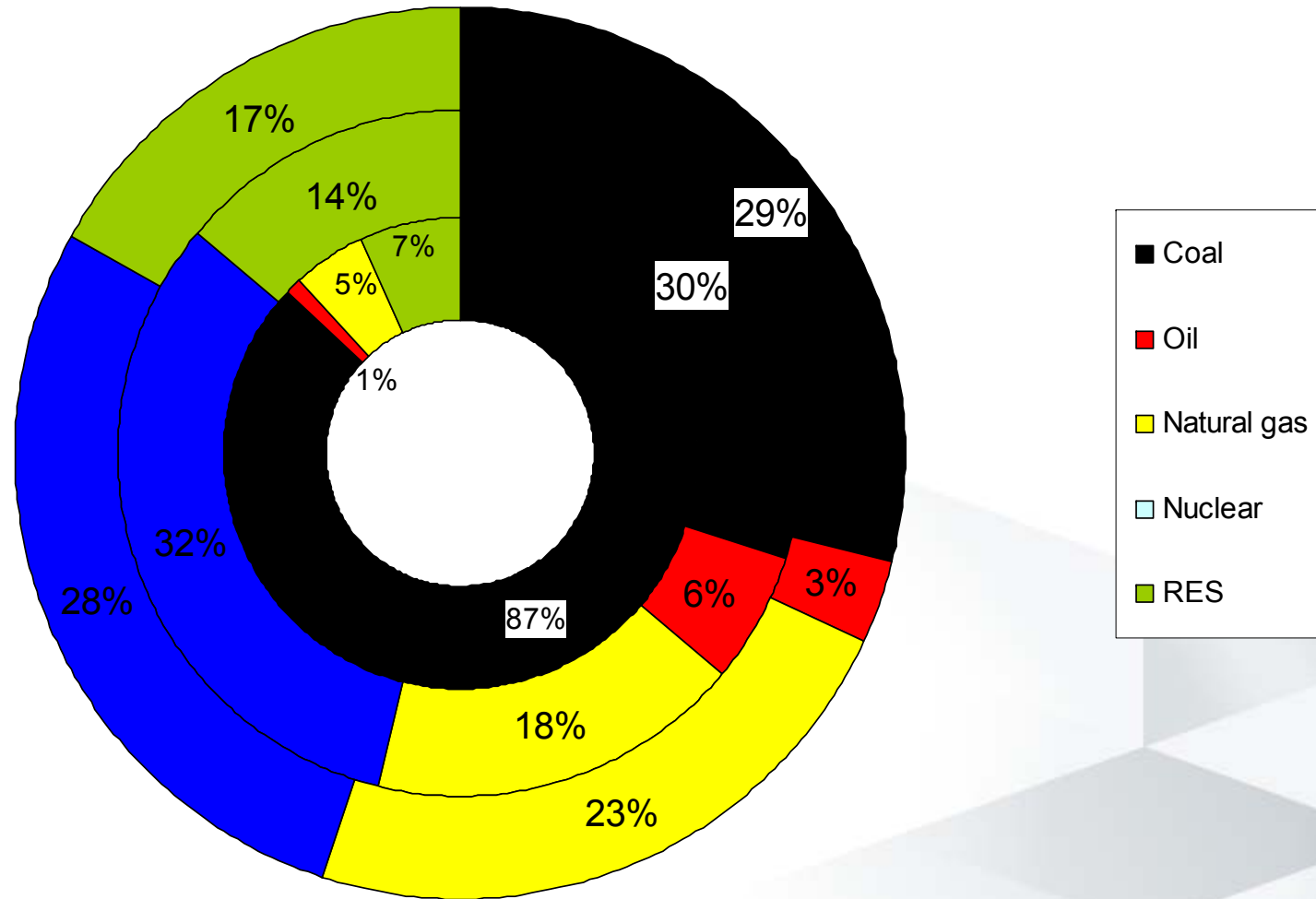


## ... addressing main challenges of the Polish Energy Sector

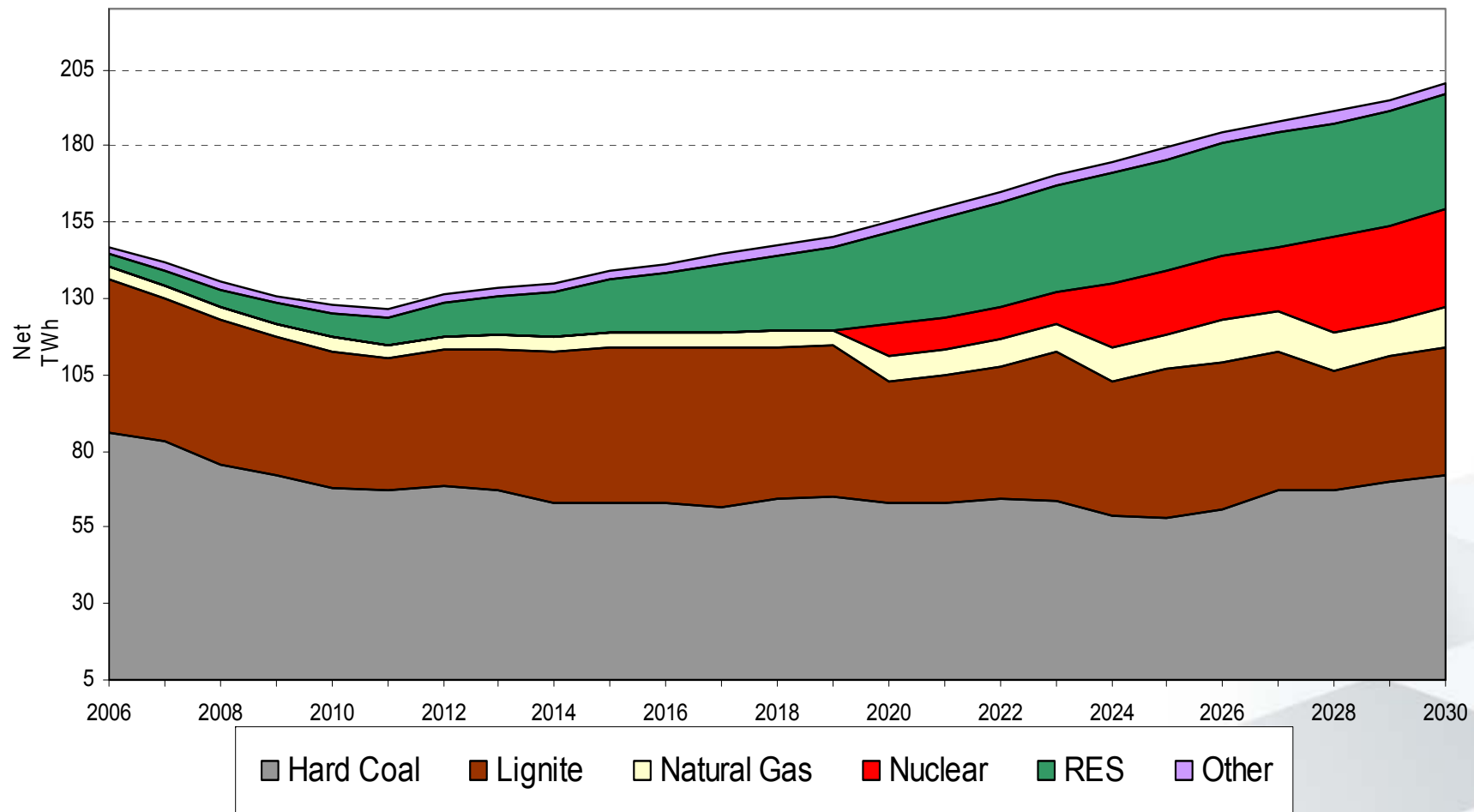
- Increasing demand for final energy
- Inadequate generation and transmission infrastructure
- Coal-based electricity generation
- International commitments on energy and climate
- Dependence on external suppliers of natural gas and crude oil



# Electricity generation by sources - World, EU, Poland

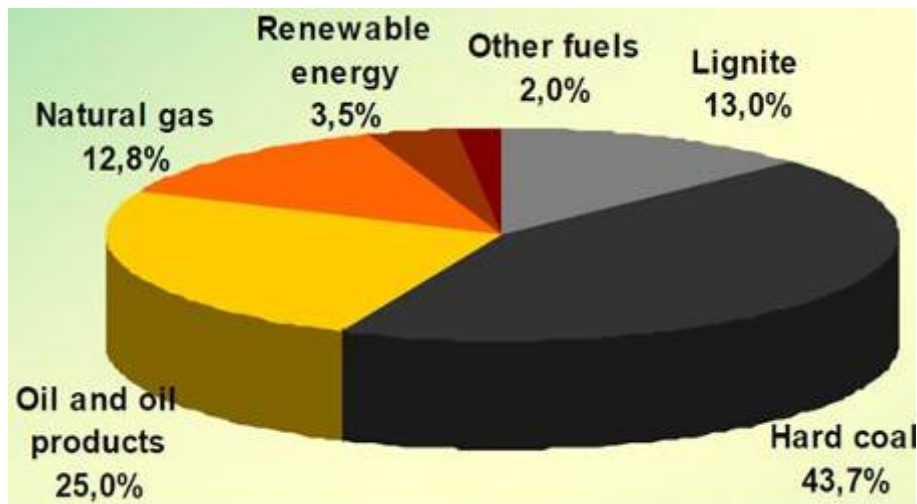


# Electricity generation by sources (TWh)

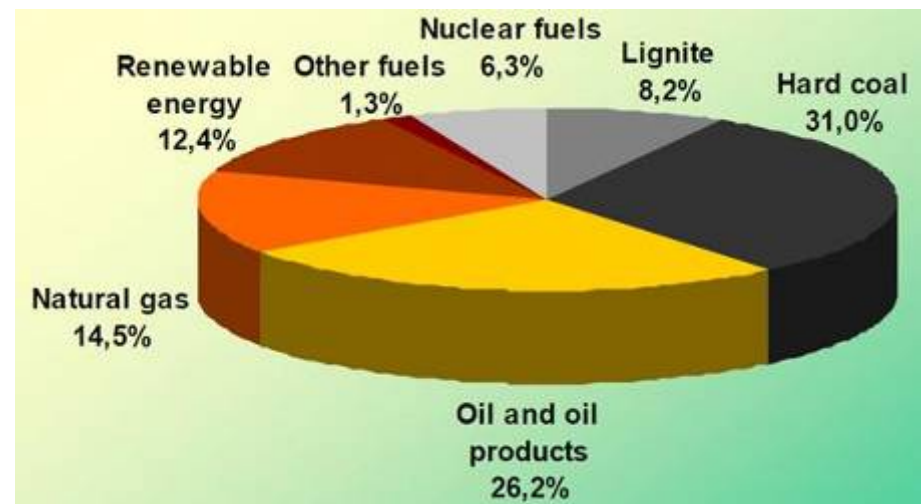


## Demand for primary energy by carriers (%)

2009



2030



# Improvement of energy efficiency

## Main targets:

- To achieve zero-energy economic growth, i.e. economic growth with no extra demand for primary energy
- To reduce the energy intensity of the Polish economy to the EU-15 level (in 2005)

## Means of implementation:

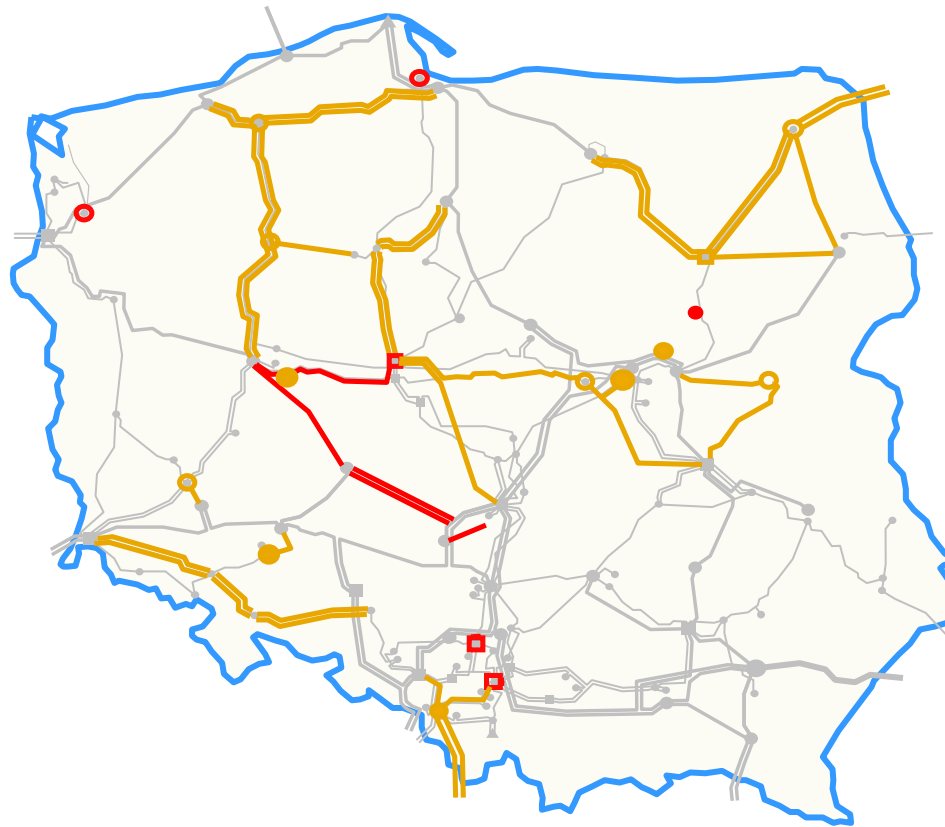
- Reducing energy consumption
- Enhancing the efficiency of generation
- Decreasing transmission losses








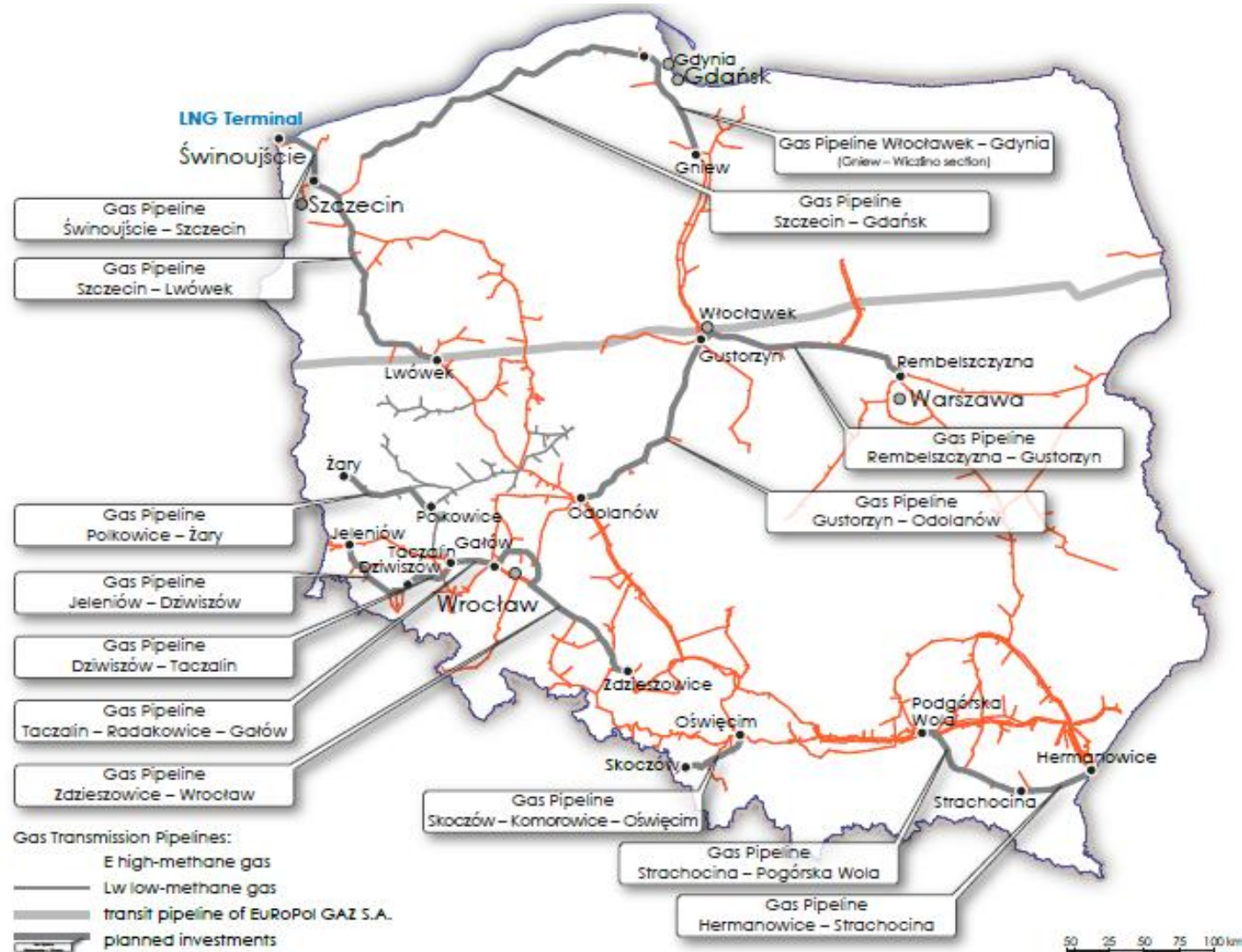
# Security of fuel and energy supplies - investments in electricity transmission grid



-  planned 400 kV lines before 2013
-  planned 400 kV lines after 2013



# Security of fuel and energy supplies - investments in gas transmission grid



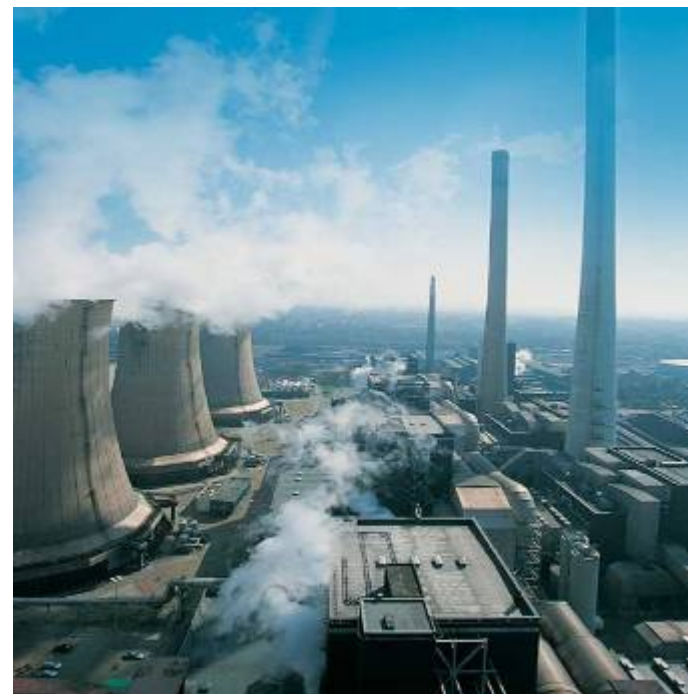
# Reduction of the environmental impact of the power industry

## Main targets:

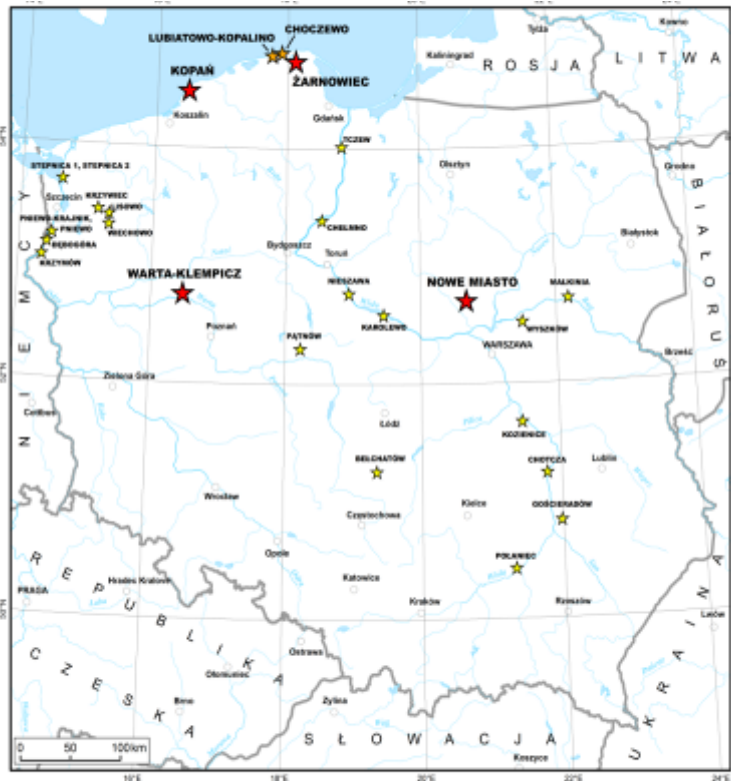
- Reducing emission of CO<sub>2</sub>, SO<sub>2</sub>, NO<sub>x</sub> and dust
- Development of low-emission technologies

## Main actions:

- Development of technologies which reduce the emission of pollutants (RES, cogeneration, nuclear)
- Development of clean coal technologies
- Utilization of methane from mining sector for energy generation



# Introduction of the Nuclear Energy



Locations for nuclear plants selected in 2010

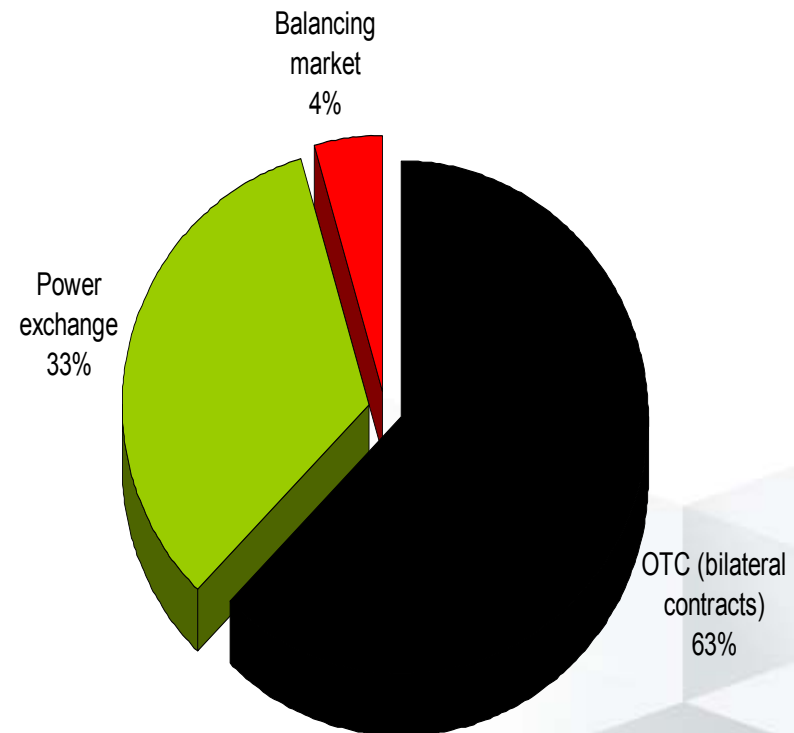
## Main targets:

- Preparing framework and infrastructure for nuclear energy
- Ensuring appropriate conditions for investors interested in building and launching nuclear power plants
- Gaining public acceptance for nuclear energy



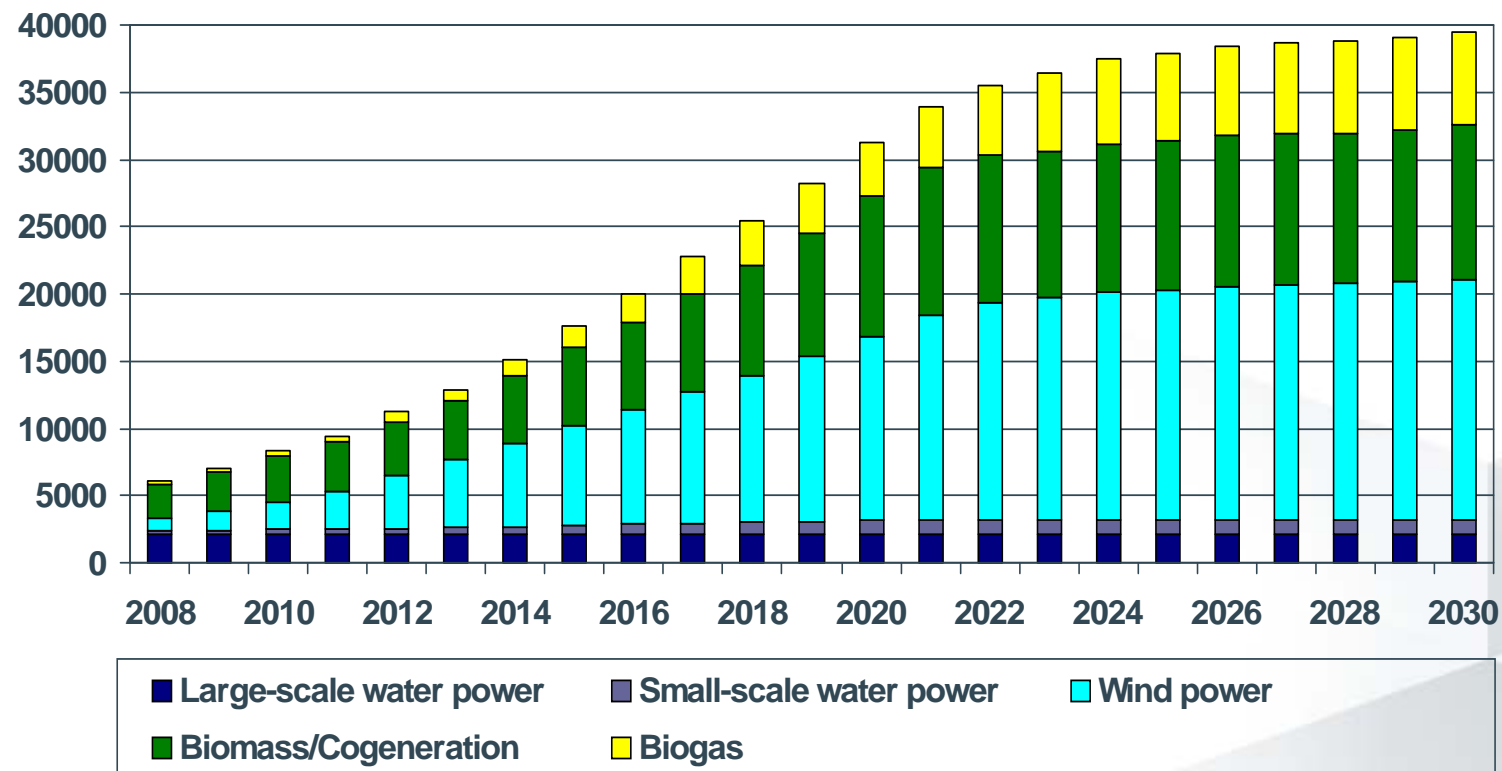
# Development of competitive energy markets

- Implementation of the IIIrd Energy Package
- The three-pack:
  - New Energy Law
  - Gas Law
  - The RES act
- Setting energy prices for households

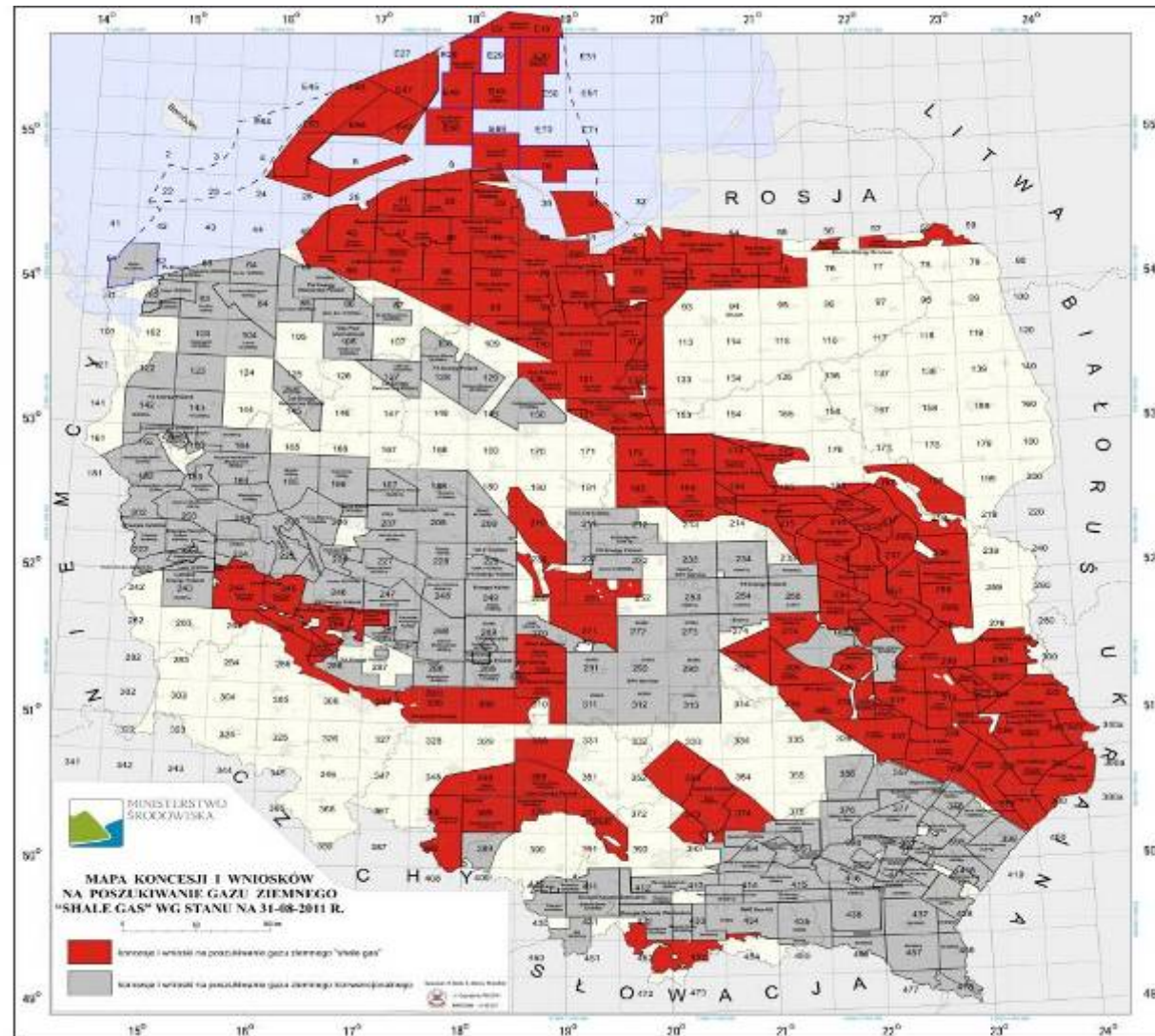


# Development of RES

## Projected RES Generation (electricity) 2008 – 2020 [GWh]

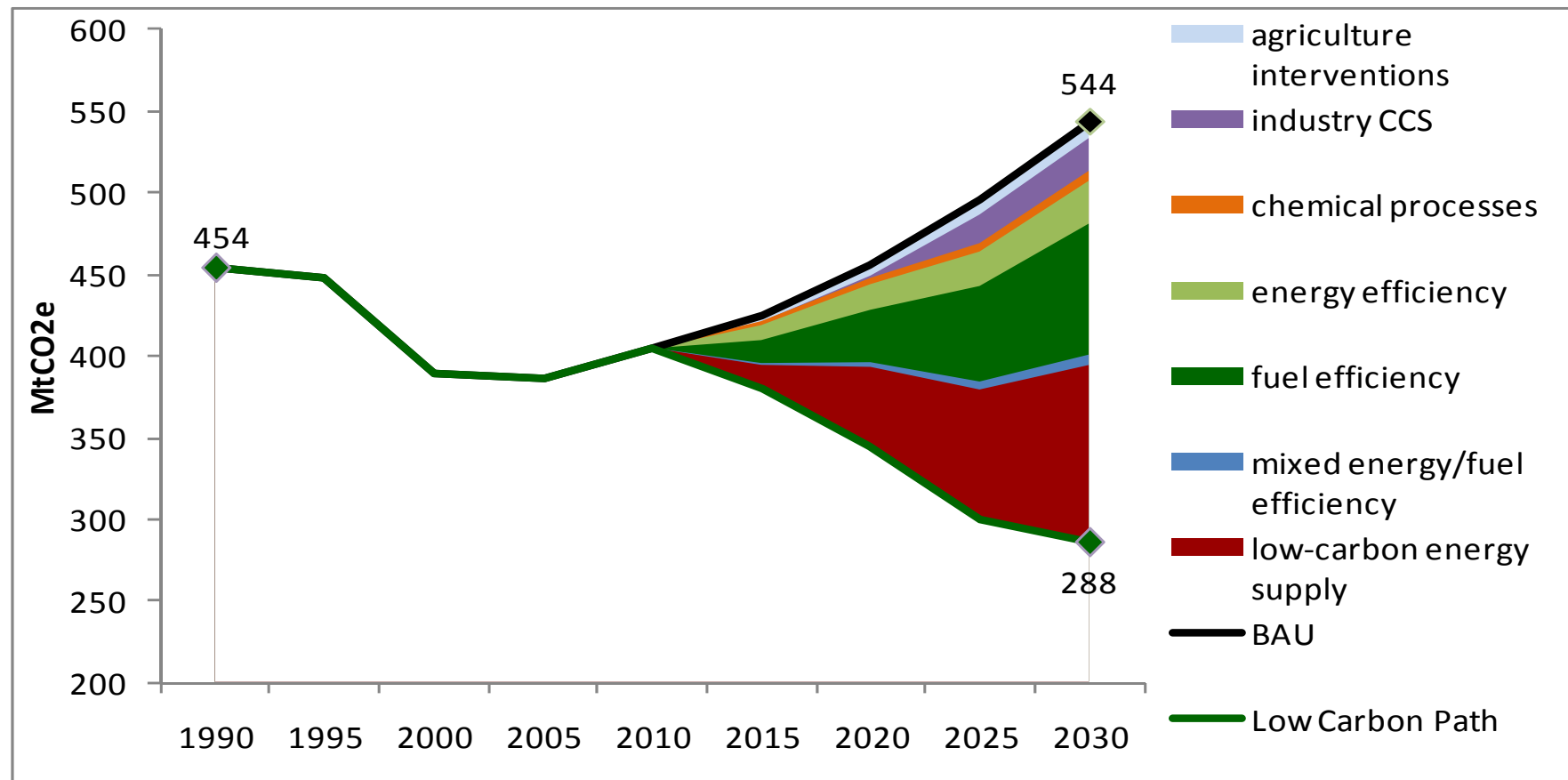


# Prospects - Shale gas



# Prospects - GHG abatement

## Switch to low-emissions economy







krzysztof.maryl@mg.gov.pl

Thank you for your attention.

Ministry of Economy  
Energy Department

Pl. Trzech Krzyży 3/5  
00-507 Warsaw

tel +48 22 693 50 00  
fax +48 22 693 40 46

email [mg@mg.gov.pl](mailto:mg@mg.gov.pl)  
web [www.mg.gov.pl](http://www.mg.gov.pl)