

The Polish energy market: Partner for a Baltic Sea cooperation

17th Inter-Parliamentary Meeting on Renewable Energy
and Energy Efficiency



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Setting the scene...



Population

38 million

% of of EU's population

7,5%



GDP

3% of EU GDP

GDP per capita

39% of EU average

Current market prices



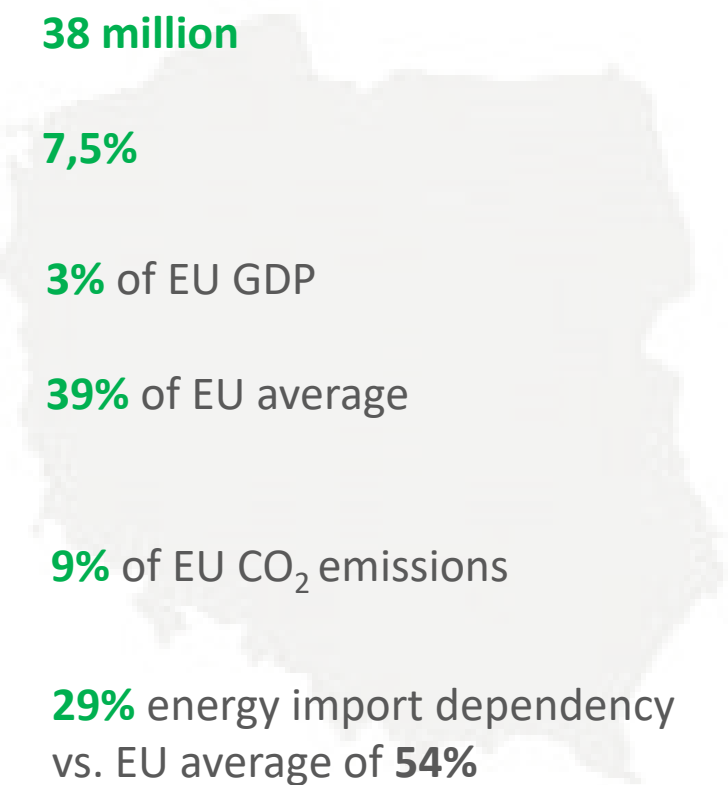
CO₂ emissions

9% of EU CO₂ emissions



Energy
dependency

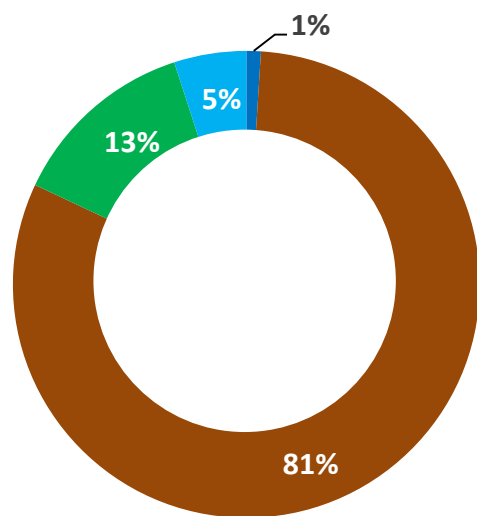
29% energy import dependency
vs. EU average of **54%**



Poland is not exactly average when it comes to fuel mix...

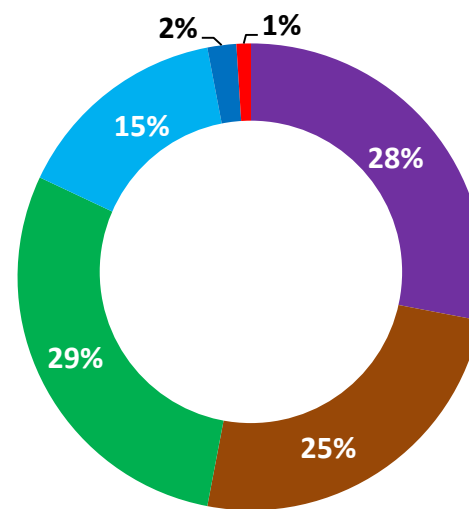
Gross electricity generation by fuel, %

Poland



- Petroleum and products
- Solid Fuels
- Renewables
- Natural gas

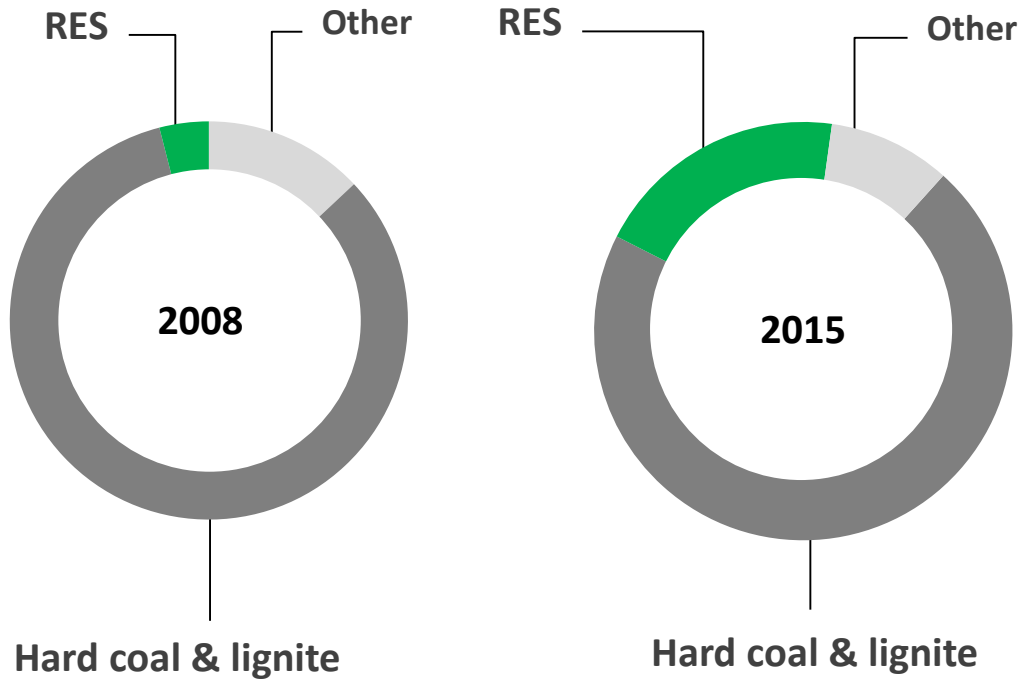
EU-28



- Nuclear
- Solid Fuels
- Renewables
- Gases
- Petroleum and Products
- Wastes, Non Renewable

...but it is moving into the right direction!

Installed capacity

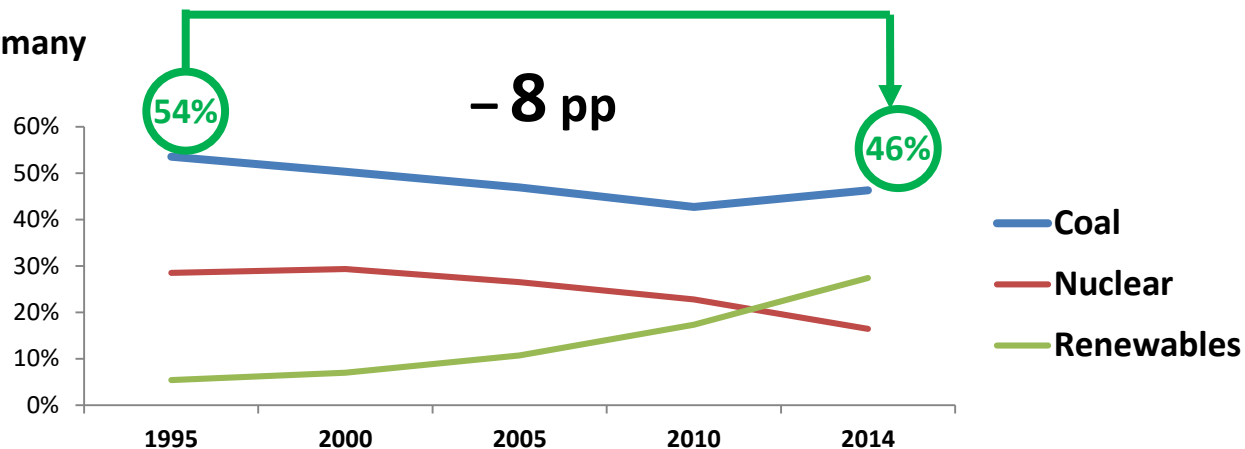


**Between 2008 and 2015
RES share in installed
capacity has grown
from 4% to 20%**

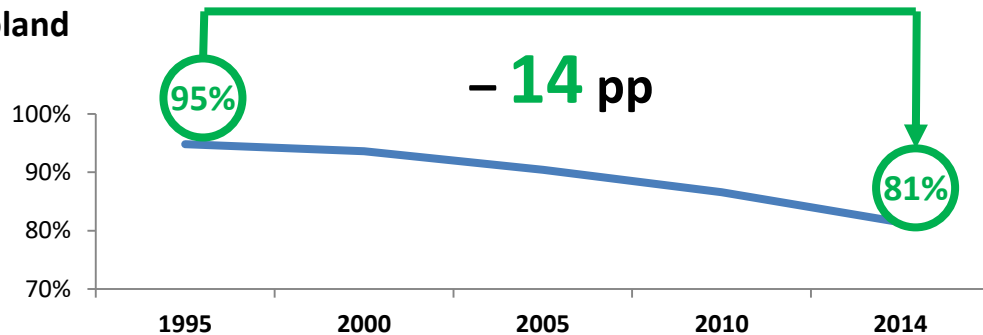
...Is that quick enough?

Evolution of fuel mix, %

Germany

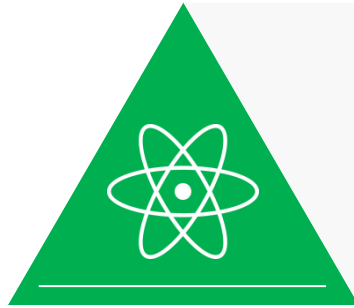


Poland



For the past 20 years, Poland has been moving away from coal at a faster pace than Germany

Which way to go forward? Choices we've got:



Nuclear



Easier said than
done?



Gas



Political
issue

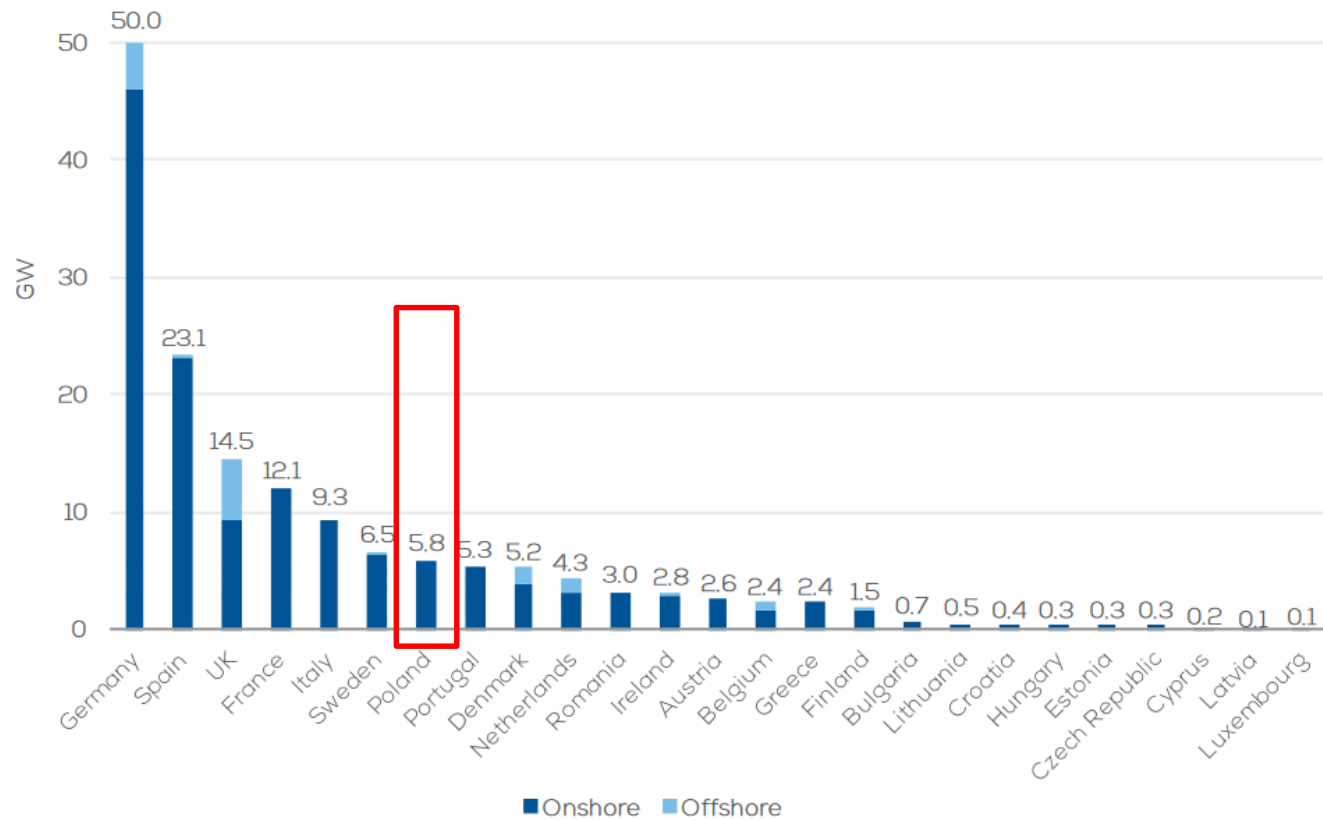


Renewables



Yes, **at reasonable
cost**

Poland is already the 7th market for wind in Europe



Source: WindEurope

...and the potential is still there, especially for offshore

WindEurope 2030 offshore wind scenario for Poland:

Low: 2200 MW

Central: 3200 MW

High: 6000 MW

Cost!

Prerequisites:

Industrial potential

Regionalisation

Thank you!

 @MoMorawiecka



PKEE
Polish Electricity
Association