



European Week of
Regions and Cities

Brussels
10-13 October 2016



Pomorskie

The development of SMART GRIDS - the perspective of the POMORSKIE region

Brussels, 13th October 2016

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Open, active society

2,3 mln

Consumer market



700 000
Active workforce



100 000
Students



95 new
companies
registered daily

positive

Migration saldo

Gdańsk

Pomeranians
are most satisfied with the
place they live in*

**Social Diagnosis, 2015r.*

If all Pomeranians stood holding each others' hands they would create a chain to Barcelona and back!

4x more

People during holiday season

8,5 million

Tourists in 2016r.

Rise of the workforce
in Pomorskie
2006-2015*

The highest ratio
among the EU
regions*

**Ranking Eurostatu, 2016*

45%



Stable economy

Three pillars of development



38%
ICT



34%
Energy



28%
Ship-building



Rising branches

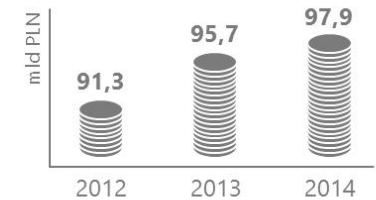


Solid export

- Nr 2 – export companies share
- Export in Pomorskie - 18%,
- In Poland - 13%
- Export companies income



Constant rise of GDP



Biggest Baltic Ports



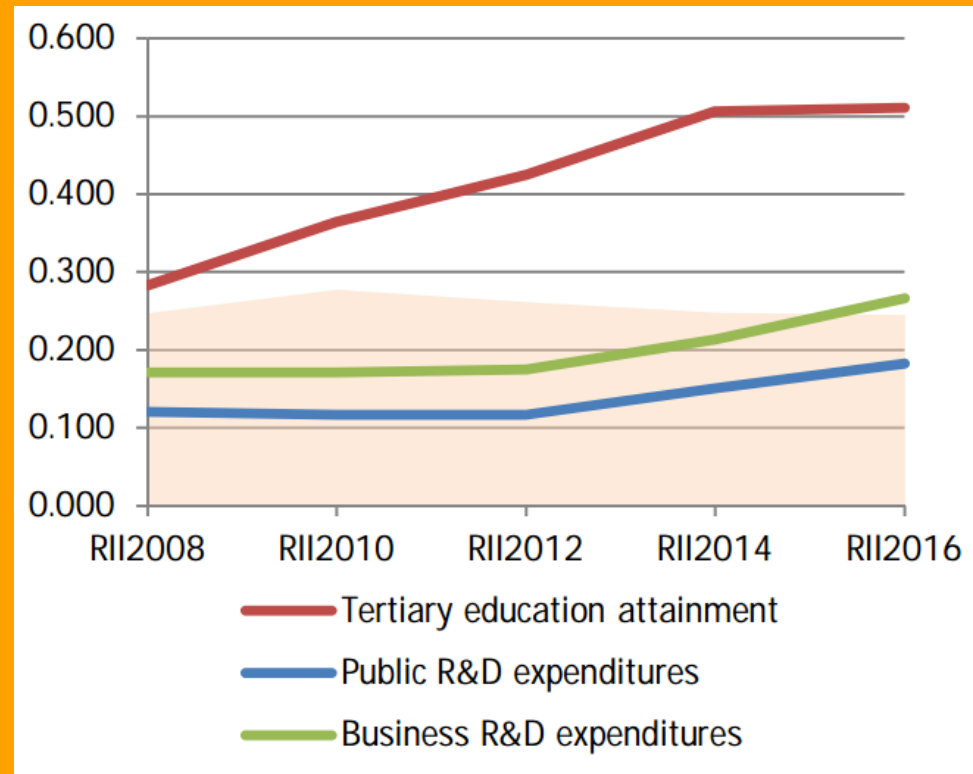
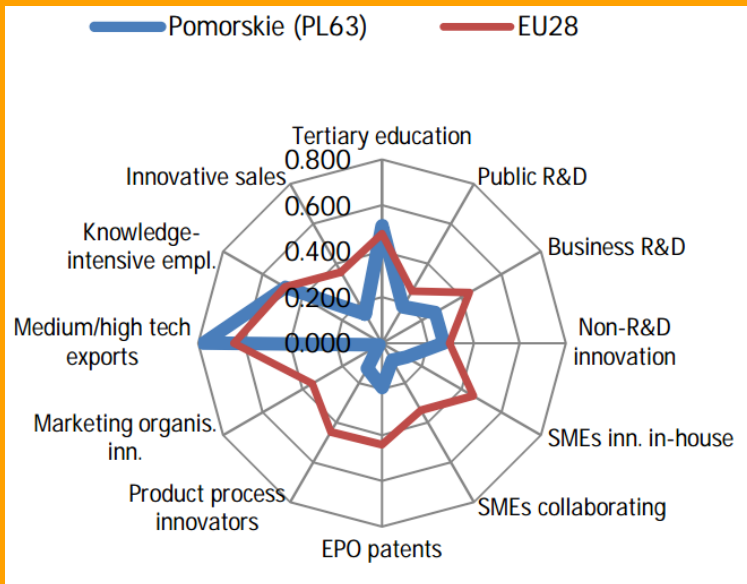
More than 270 000 companies
1 company for 10-people group
of Pomeranians



Regional Innovation Scoreboard 2016

The Pomorskie region is a **Moderate Innovator**.

The radar graph shows that relative strengths compared to the EU28 are in Exports of medium and high tech products, Tertiary education attainment, and Employment in knowledgeintensive industries.





Off-shore, port and logistics technologies which will foster on the economically effective and environmentally safe exploration and exploitation of maritime resources



Interactive technologies in an information-saturated environment which will improve the effectiveness and security of various human activities in the economic and social sphere



Eco-effective technologies in the generation, transmission, distribution and consumption of energy and fuels and in construction which will contribute to decreased energy consumption of the economy and lower its negative impact on the environment



Medical technologies in the area of civilization and ageing-associated diseases which will contribute to the reduction of social and economic costs of civilization and ageing-associated diseases



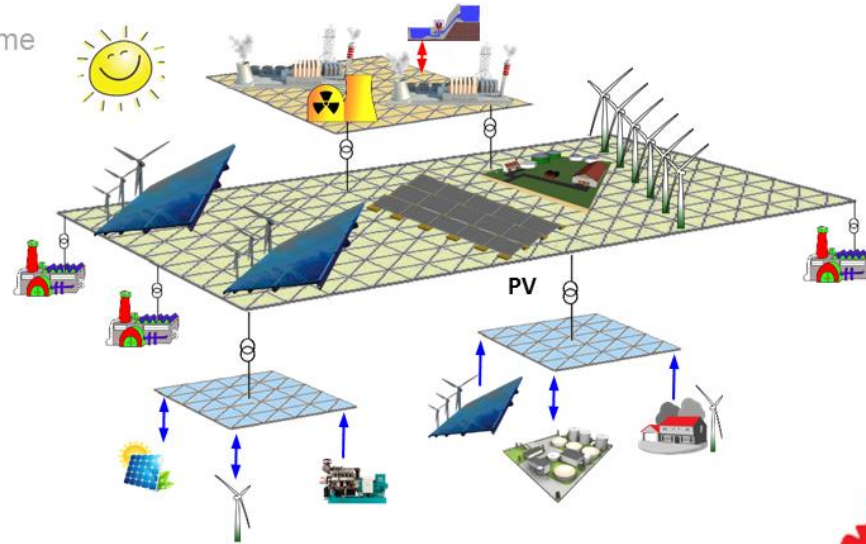
"Smart grid" technologies in energy distribution

1. solution increasing reliability of deliveries, flexibility and safety of work of a distribution network making it possible to use production potential of renewable energy sources effectively;
2. technologies for automation and adjustment of voltage in MV and LV grids;
3. comprehensive solutions and systems for measurement and assessment of quality parameters of electric energy;
4. systems, products and solutions in the area of so-called virtual power stations;
5. development of technologies, products and services aimed at increasing speed of reliability and safety of transmission and processing of measurement data;
6. technologies and systems for management of clients' demand (interventional power reduction);
7. systems for cooperation of renewable sources with electric transport.



Smart Grids

Definition: Regional Strategic Programme
EcoEffective Pomorskie



Energy Islands/clusters:

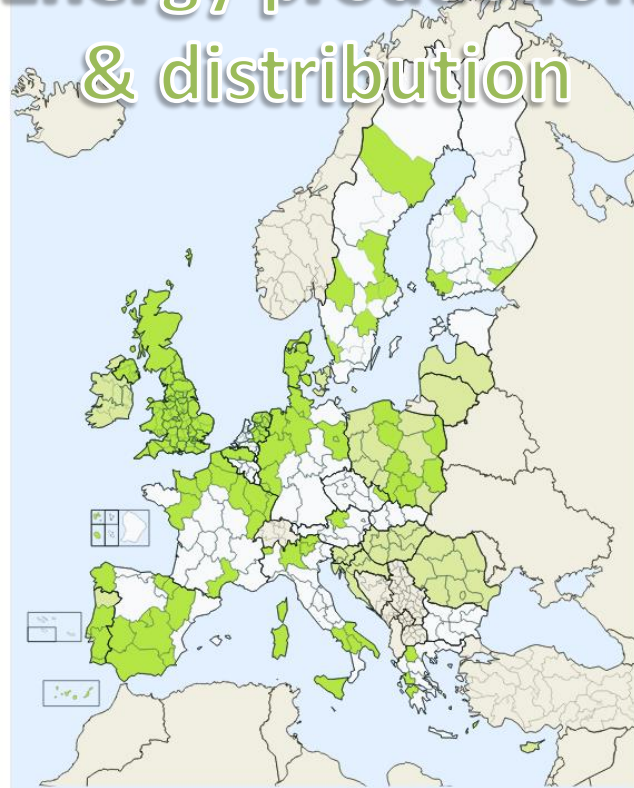
Independent local energy system, grouping producers, consumers and prosumers, with the possibility of real time adjustment of energy produced and consumed within the system, with the possibility of cooperation with other independent systems and the local energy distributor.



Why cooperation is important to better implement your RIS3 energy-related priorities?

EYE@RIS3

Energy production
& distribution



The main objective of the Smart Specialisation of Pomorskie in the area of Eco-effective technologies (...) is to **build and strengthen the competitiveness of business entities** focusing on the development of **new products and services based on the results of R&D** and implementation works, including **improvement in efficiency of distribution, generation, processing and consumption of energy, extraction of raw materials and processing of fuels** as well as decrease in impact on the natural environment.

THIS CAN BE ONLY ACHIEVED IN CLOSE COOPERATION WITH INTERESTED REGIONS FROM THE EU AND BEYOND.



The main objective will be achieved through the following operational objectives:

- preparation and implementation of innovative technical, technological and organisational solutions;
- promotion of application of eco-effective technologies through demonstrators and educational campaigns;
- development of education adapted to needs of the smart specialisation;
- improvement of accessibility and development of specialised research and development infrastructure;
- development of specialist support services in the range of acceleration and financing of new innovative undertakings, networking and animation of cooperation between companies, R&D centres and administration and promotion of internationalisation and foreign expansion.



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Thank you for your attention!

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