

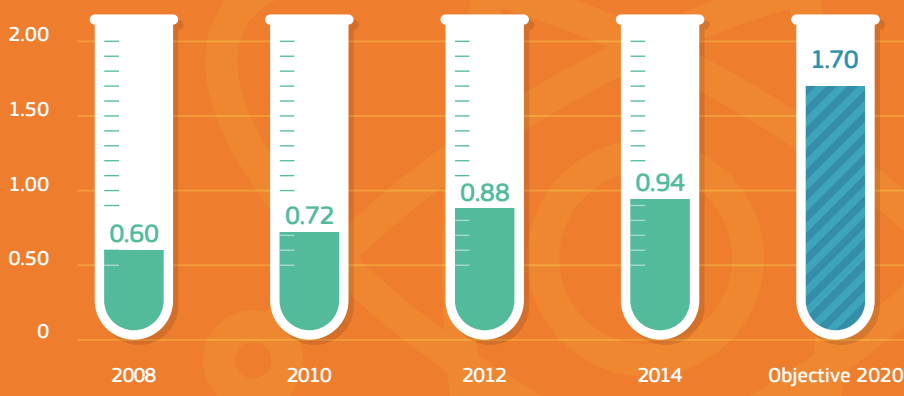
Poland

Improving the quality of the science base and fostering innovation in enterprises

INVESTMENT IN R&D

R&D SPENDING

R&D investment is growing as a proportion of GDP, with progress towards the national R&D intensity target. However, it remains one of the lowest in Europe, strongly dependent on EU Structural Funds

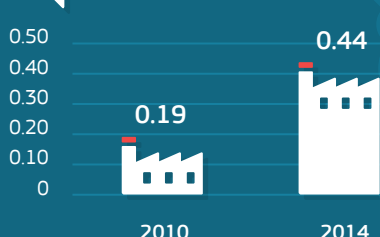


R&D intensity (total R&D spending as % of GDP)

STRENGTHS OF R&I SYSTEM

BUSINESS R&D INVESTMENT

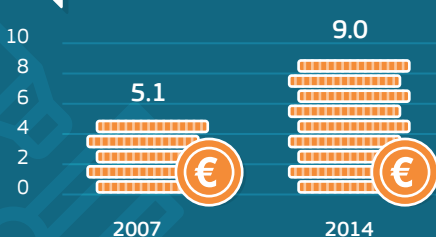
Business R&D investment is growing as a proportion of GDP



Business R&D intensity (business R&D spending as % of GDP)

FUNDING FROM ABROAD

More and more R&D investment comes from abroad



Proportion of Business R&D spending financed from abroad

SCIENCE & ENGINEERING SKILLS

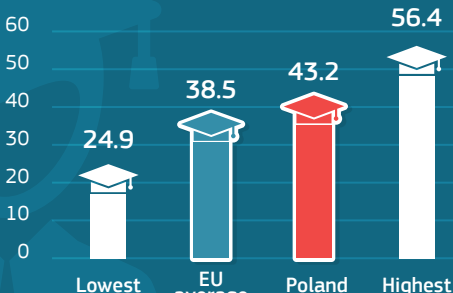
The availability of highly skilled human resources in the workforce represents an added value for the country



Share of new graduates (thousand aged 25-34) in science and engineering (2014)

TERTIARY EDUCATION

Above EU average for share of 30-34 year olds who have graduated from tertiary education

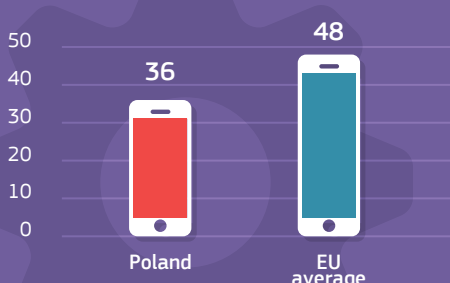


% 30-34-year olds who have graduated from tertiary education (2015)

KEY CHALLENGES

INNOVATION LEVELS

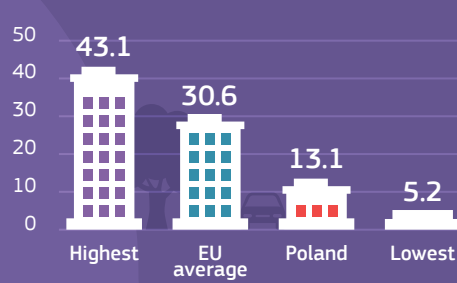
The innovativeness of the economy still requires policy attention



Value added in HT and MHT manufacturing and KI services as % of total value added (2013)

SME INNOVATION

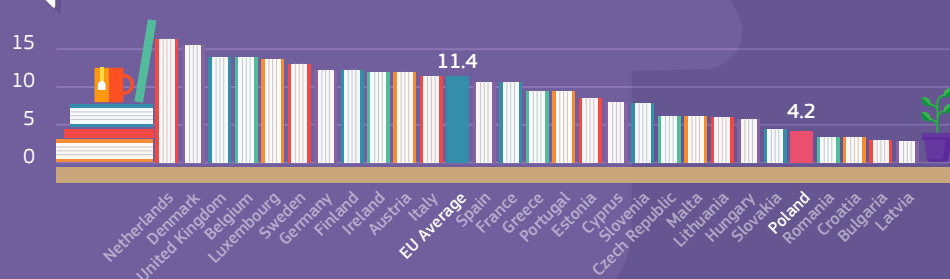
SMEs are less innovative than in EU average



SMEs introducing product or process innovation, as % of SMEs (2012)

QUALITY OF RESEARCH SYSTEM

Scientific quality is still far from EU standards



Scientific publications within the top 10% most cited worldwide as % of total scientific publications (2010)

INTERNATIONAL COOPERATION

The system would benefit from more openness to international collaborations



Number of international scientific co-publications per million population (2013)

RECOMMENDATIONS

ROOM FOR IMPROVEMENT

- More **business innovation** needed – drive economy towards more medium- and high-tech products and services
- Raise the quality of the **public science base** and nurture its international exposure
- Strengthen cooperation between **academia and business**
- Improve synergies** between regional and national R&I governance systems

HORIZON 2020 POLICY SUPPORT FACILITY ACTIVITIES

- Poland asked for a **Peer Review** of its research and innovation system – to be launched at the beginning of 2017