



# SPREADING EXCELLENCE ACROSS EUROPE

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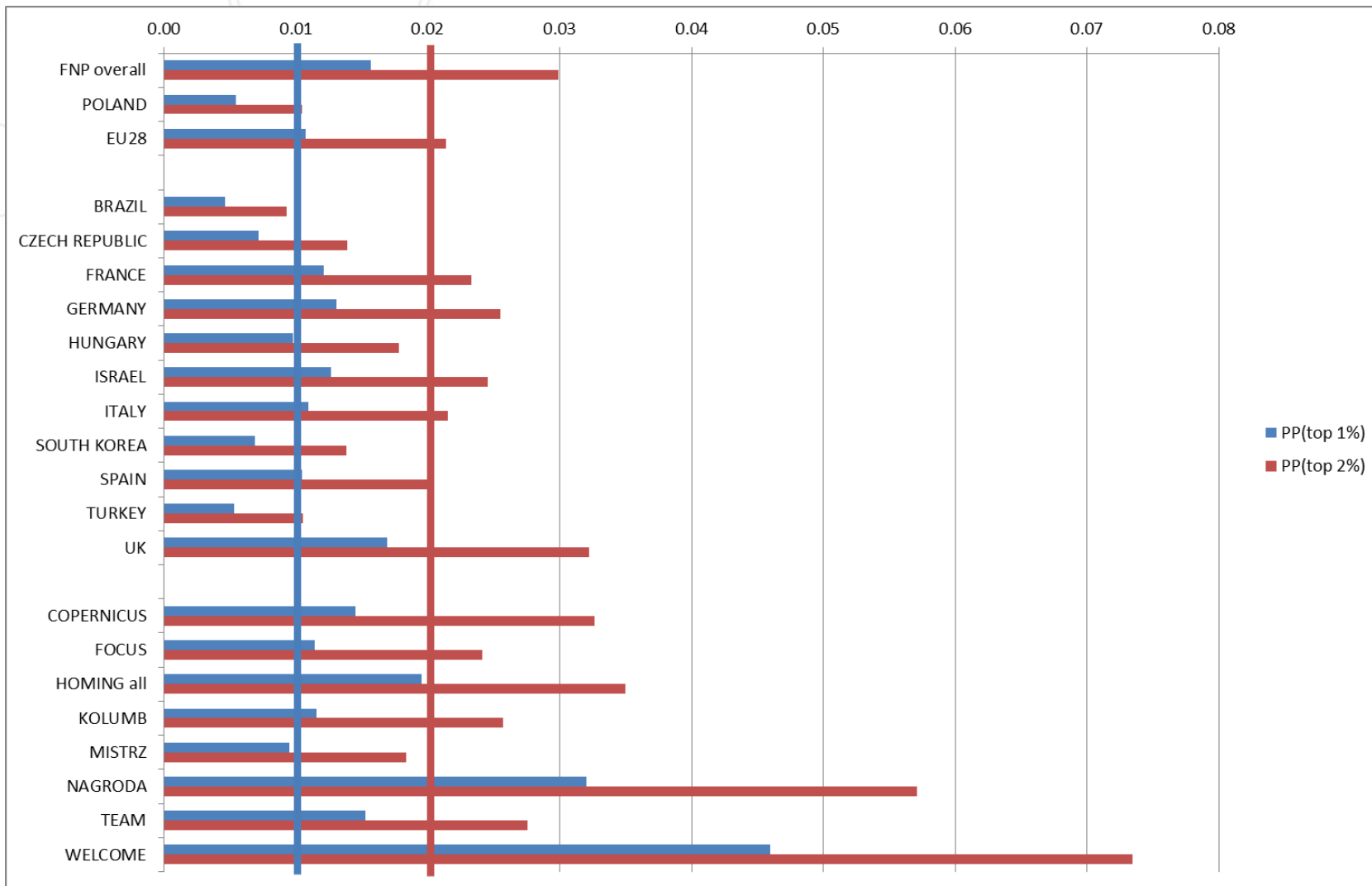
*Foundation for Polish Science*

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# FOUNDATION FOR POLISH SCIENCE

- Non-governmental, non-political, non-profit institution established in 1991
- The major off-budget funding source in Poland (endowment and EU funds)
- Supporting science in Poland (spreading excellence)
- Supporting innovative research projects

# Share of highly cited publications (2002-2012)



# Teaming for Excellence

January 2013: white paper **“Teaming for Excellence: Building High-Quality Research Across Europe Through Partnership”**

- Creation of centers of excellence in member states that are lagging behind in research, set up as joint ventures with excellent partners from other member states
- Signed by research organizations: CNRS, CSIC, CNR, Institute Pasteur, Max Planck Society etc.

# Teamig for Excellence

December 2013: Horizon 2020 work program “**Spreading Excellence and Widening Participation 2014–2015**”

- Promoting the excellence in science
- Closing the innovation gap
- Plans for creation of new (or upgrading of existing) centres of excellence in low-performing member states

# Composite Indicator of Research Excellence

- The share of **highly cited publications** in all publications where at least one of the authors has an affiliation in a given country;
- Number of **top scientific universities and public research organizations** in a country per million population;
- **Patent applications** per million population;
- Total value of **ERC grants** received divided by public R&D performed by the higher education and government sectors;

Teaming for Excellence for MSs below 70% of the EU27 average of the Composite Indicator on Research Excellence (CIRE)

# Teaming for Excellence

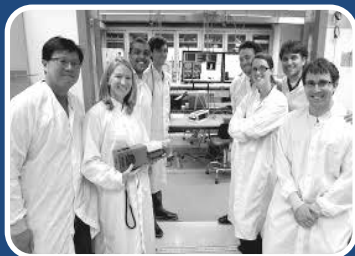
*To reach a higher level of the Composite Indicator of Research Excellence:*

- Efforts in rising the share of the best papers
- Creation of top research centres
- Rising the number of patents
- Increasing chances in ERC competitions

# Polish strategy for Synergy with Teaming for Excellence



**International Research Agendas  
(Smart Growth OP) – 127 mln EUR**



**R&D projects and infrastructure  
(Regional OPs) – 2 bln EUR**



**Polish Roadmap of Infrastructure  
(Smart Growth OP) – 453 mln EUR**



# FNP and national strategy

- **Teaming proposals in Poland**  
Horizon2020 (WP 2014-2015)
- **Cooperation with the national leader –**  
National Centre for R&D (NCBR)
- **International Research Agendas –**  
ERDF 2014–2020 (Smart Growth OP)

# INTERNATIONAL RESEARCH AGENDAS

- Creation of new organizations
- Real “culture of excellence”
- Favourable institutional conditions
- Links to Smart Specialization industrial partners

*It is sometimes easier and faster for an institution or a national system to impose rules of excellence in the context of international cooperation than to develop the same level of excellence in an isolated context.*

White Paper: „Teaming for excellence Building high quality research across Europe through partnership”

# INTERNATIONAL RESEARCH AGENDAS

## Goals:

- Excellence-based management (achievements) (CIRE)
- Highly competitive positions of PIs (best researchers from around the world) - top centres (CIRE)
- Strong commitment to apply science to economy - patents, commercialize science (CIRE)
- Provide environment for successful ERC proposals (CIRE)

# INTERNATIONAL RESEARCH AGENDAS

## Partners abroad:

- Nominate members of the **International Scientific Committee** to promote the highest standards to the recruitment of researchers, organisation and administration and research in the new center
- Contribute to / evaluate / develop the Research Agenda
- Manage human potential (established experts and young talents)
- Continue scientific partnership with new center „*Excellence breeds excellence*” (new grants or projects)

# FNP- NEW PROGRAMMES

further support for teaming



**Homing / Reintegration / First Team**



**Team**



**Technology Team (Team Tech)**

# Thank you for your attention!



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