



# **Smart specialisation across Europe**

**Achieving better synergies between ESI Funds and other EU Funding Programmes**

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**European Commission**

**DG Joint Research Centre**

**Warsaw, 13/10/2016**

# Smart Specialization

## Smart Specialization Platform:

- Since 2011 supporting Member States & Regions to design and implement their S3 by identifying a limited number of R&D and industrial activities with ***high innovation potential***.

POLAND

Facts & Figures

[RIO-PSF page - POLAND](#)

[National S2E Profile](#)

Contacts

S3 Priorities



- EU Countries registered in S3P: 18
- EU Regions registered in S3P: 167
- Non-EU Countries registered in S3P: 2
- Non-EU Regions registered in S3P: 7
- S3P Peer-reviewed Countries: 15
- S3P Peer-reviewed Regions: 60



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## Main activities of the S3 Platform



**Synergies ESIF-H2020  
"Stairway to excellence"**

**Guidance and analysis:  
RIS3 Guide;  
Digital Agenda Toolbox;  
S3 policy briefs**

**Targeted  
Support to  
regions**

**Trans-national focus  
Peer Reviews**

Eye@RIS3

**Interactive web tools**



**Thematic focus on  
actors, process,  
learning and common  
priorities**

**Value chains and  
alignment of  
innovation roadmaps**



**RIS3  
assessment  
and support to  
REGIO desks**

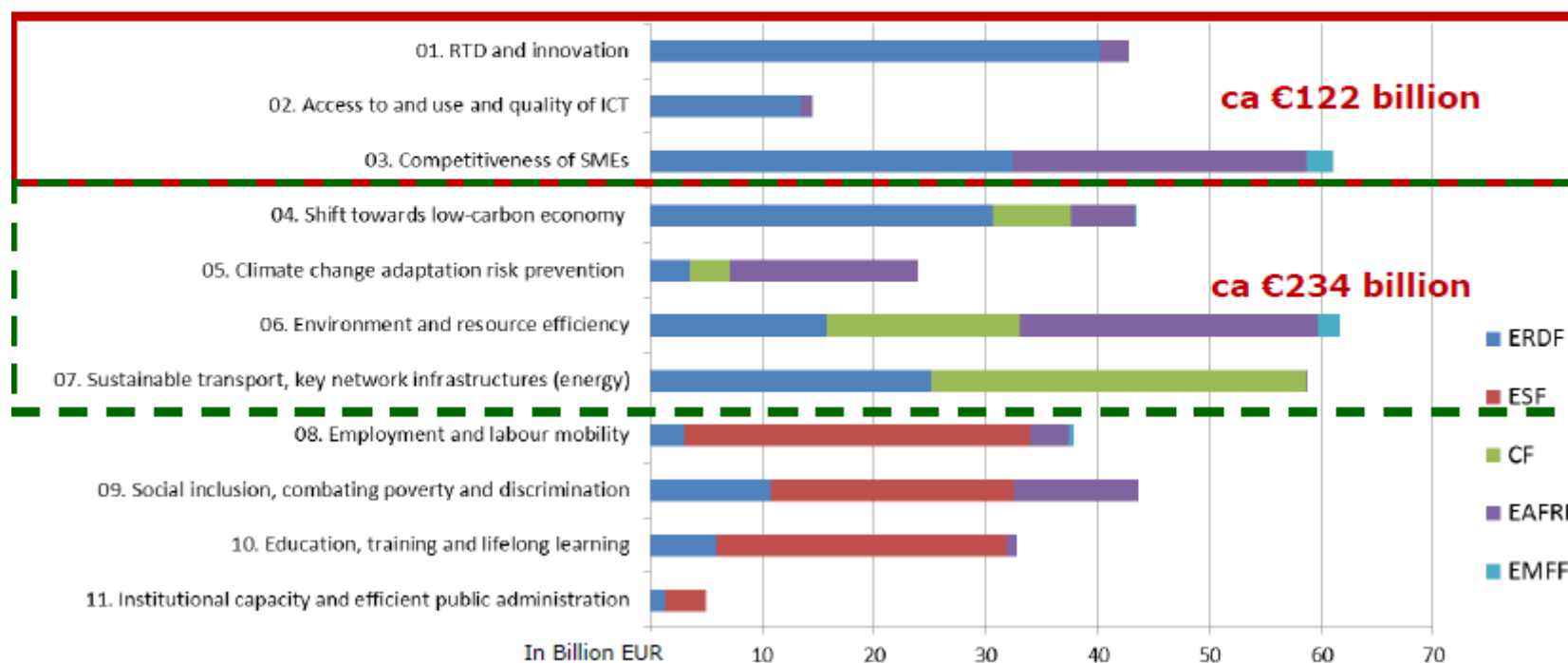
**Focused approach on digital  
growth; energy; agro-food and  
industrial modernization (TSSP)**



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## ESIF programming 2014-20

- **EUR 454 billion of ESIF + EUR 183 billion of national co-financing**
- **456 national/regional OPs and 79 INTERREG cooperation programmes**
- **Concentration on 11 thematic objectives**

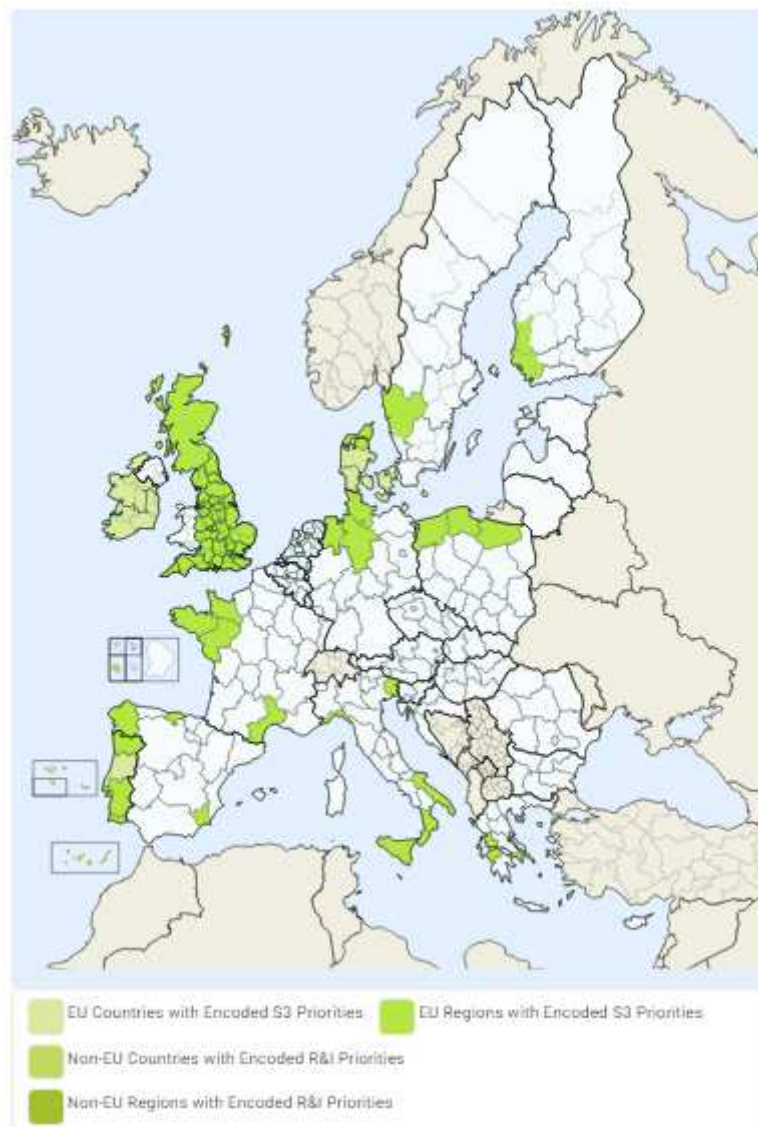


Source: Final ESIF partnership agreements as of December 2015



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# Eye@RIS3



## Research & Innovation Capabilities

Select

## Business Areas & Target Market

Select

## EU Priority

Blue growth

Select

Aeronautics & space

Blue growth

Cultural & creative industries

Digital Agenda

KETs

Nature & biodiversity

Public health & security

Service innovation

Social innovation

Specific local policy priority

Sustainable innovation

Select

Agriculture, forestry & fishing

Construction

Creative, cultural arts & entertainment

Energy production & distribution

Human health & social work activities

Information & communication technologies (ICT)

Manufacturing & industry

Mining & quarrying

Public administration, security & defence

Services

Tourism, restaurants & recreation

Transporting & storage

Water supply, sewerage, waste management & remediation activities

Wholesale & retail trade

## EU Priority (Subcategory)

Select

Select

Aquaculture

Blue renewable energy

Coastal & maritime tourism

Fisheries

Marine biotechnology

Offshore mining, oil & gas

Shipbuilding & ship repair

Transport & logistics (incl. highways of the seas)



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## Other S3 Tools

1. **Benchmarking Regional Structure**
2. **Revealed Competitors and regional competitiveness scoreboard**
3. **ESIF – viewer: planned Investments under ESIF**
4. **R&I Regional Viewer**

Countries

All selected (28) ▼

Regions

All selected (209) ▼

[▶ Show advanced filters](#)

☒ All OP Type

☒ Regional

☒ Multi-regional

☒ National

☒ Transnational

Thematic objectives

None selected ▼

Categories of intervention

None selected ▼

☒ Productive investment

☒ Energy infrastructure

☒ Environmental infrastructure

☒ Transport infrastructure

☒ Sustainable transport

☒ Information and communication technology (ICT) infrastructure

☒ Social, health and education infrastructure and related investment

☒ Research and development and innovation

☒ Business development

☒ Information and communication technology (ICT) – demand stimulation...

☒ Development of endogenous potential - Environment

☒ Development of endogenous potential - Other

☒ Promoting sustainable and quality employment and supporting labour m...

☒ Promoting social inclusion, combating poverty and any discrimination

☒ Investing in education, training and vocational training for skills and lifelo...

☒ Enhancing institutional capacity of public authorities and stakeholders a...



# Stairway to Excellence (S2E) Initiative

Pilot Project funded by the European Parliament

## **Objectives:**

- Assistance to Member States and Regions to enhance the value of these two EU funding sources for R&I by promoting their combination (2015/2016: focus on EU13).
- Stimulating the effective implementation of RIS3.

## **Stakeholders Involvement:**

- COM services (JRC, REGIO, RTD, ENER, CNECT, GROW)
- Other European Institutions (EP, CoR, EIT)
- Stakeholders' Representatives (EARTO, EBN, ERRIN, KICs)
- Regions and Member States (S3P network, S2E events)
- FP / H2020 (NCP, regional networks, innovation agencies)





# Stairway to Excellence (S2E) Initiative

## Economic Background

- Composition of GBAORD at the European Level
- New ESIF Thematic Concentration towards knowledge investments

## Economic Rationale

- Efficiency-related leverage effect of EC R&I funding by matching programmes with:
  - ✓ (apparently) different objectives
  - ✓ different management of the programmes (shared vs central management & ex-ante vs competitive-based allocation).
  - ✓ different support to innovation life cycle (innovation capacity building & innovation absorption capacity).

## Legal Novelties

- Synergies under the new MFF 2014-2020 (COM Guide on Synergies, spring 2014)





# National S2E Events

- **A better understanding of the national innovation ecosystem**
- **Raising awareness of the actions needed to enable synergies**
- **Sharing experiences in combining different EU funds**

Cyprus (September 2016)

Bulgaria (July 2016)

Romania (June 2016)

Hungary (May 2016)

Poland (April 2016)

Slovenia (April 2016)

Estonia (March 2016)

Czech Republic (March 2016)

Lithuania (October 2015)

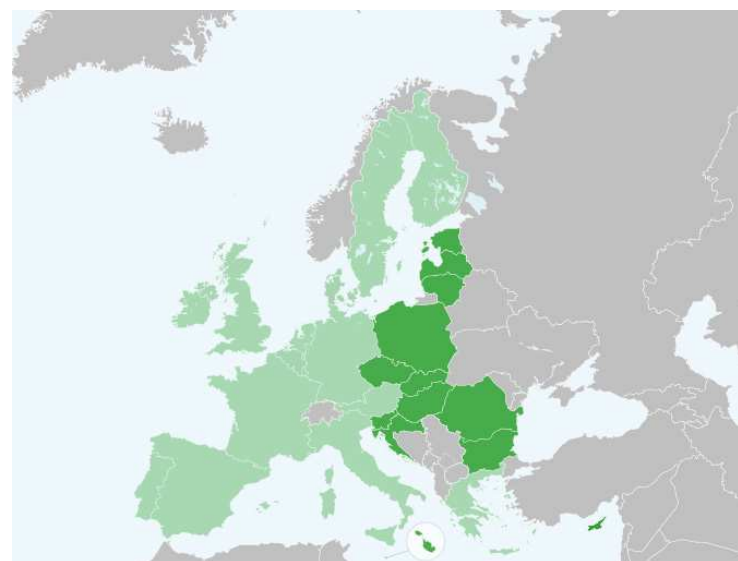
Malta (July 2015)

Slovakia (June 2015)

Latvia (April 2015)

Croatia (March 2015)

Events open to national and regional MAs, NCPs, national authorities in charge of RIS3, selected experts and representatives from business and research organisations.



# General macro-economic indicators

	<b>EU13*</b>	<b>EU15</b>	<b>EU28</b>
Population	105 127 027	401 484 800	506 611 827
GDP - Euro per capita	10 417	29 800	25 700
GDP - Euro per capita in % of EU average	40.5	115.3	100
R&D expenditure - Total (million Euro)	11 521.81	260 036.97	271 558.78
R&D expenditure - Total [% of GDP]	1.05	2.09	2.01
R&D expenditure - Business Enterprise Sector (BES) [% of GDP]	0.54	1.34	1.28
R&D expenditure - Government Sector (GOV) [% of GDP]	0.23	0.25	0.25
R&D expenditure - Higher Education Sector (HES) [% of GDP]	0.27	0.49	0.47
R&D expenditure - Private non-Profit Sector (PnP) [% of GDP]	0.004	0.02	0.02
R&D Personnel** - Total (% of active population)	0.62	1.25	1.12
R&D Personnel - BES (% of active population)	0.25	0.69	0.60
R&D Personnel - GOV (% of active population)	0.15	0.15	0.15
R&D Personnel - HES (% of active population)	0.22	0.39	0.36
R&D Personnel - PnP (% of active population)	0.002	0.01	0.01
Unemployment Rate***	9.9	9.50	9.60

Source: Compiled and calculated by using Eurostat 2013

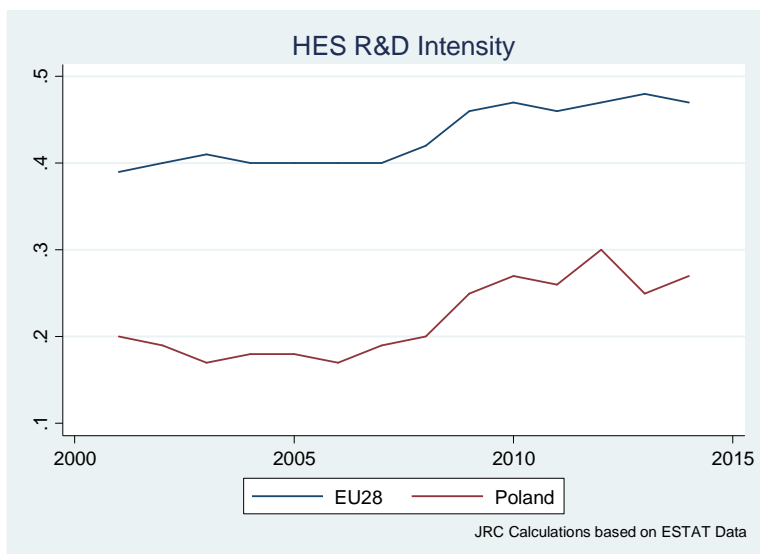
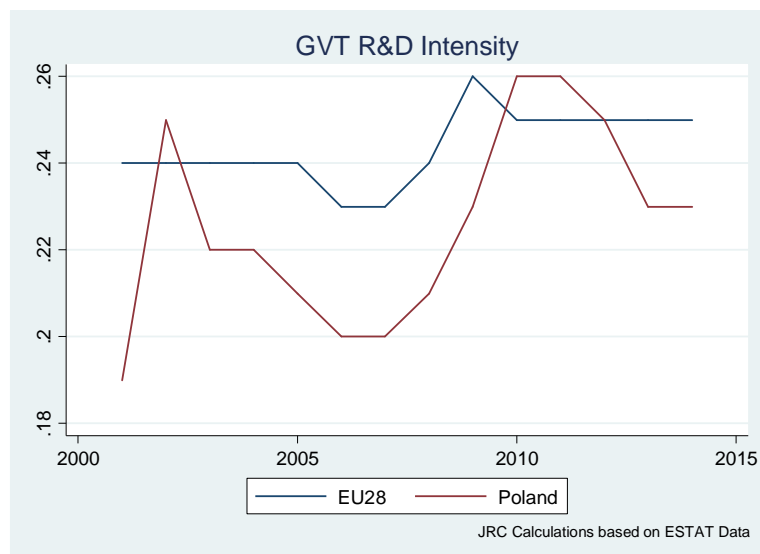
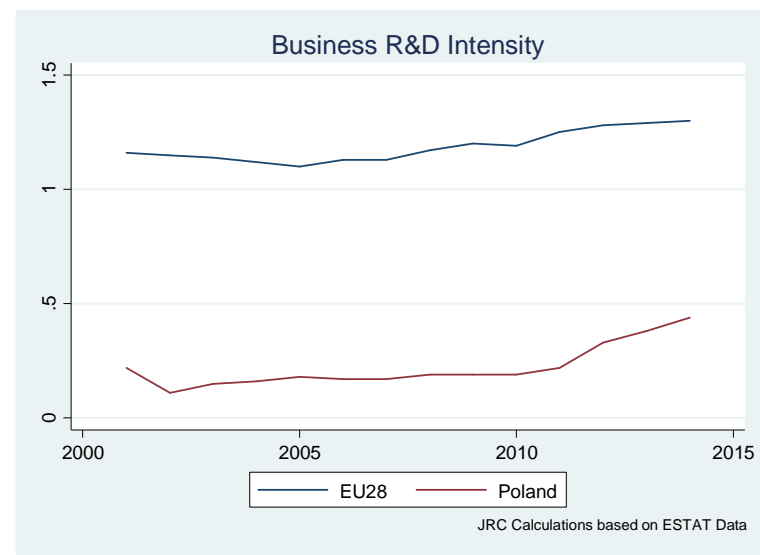
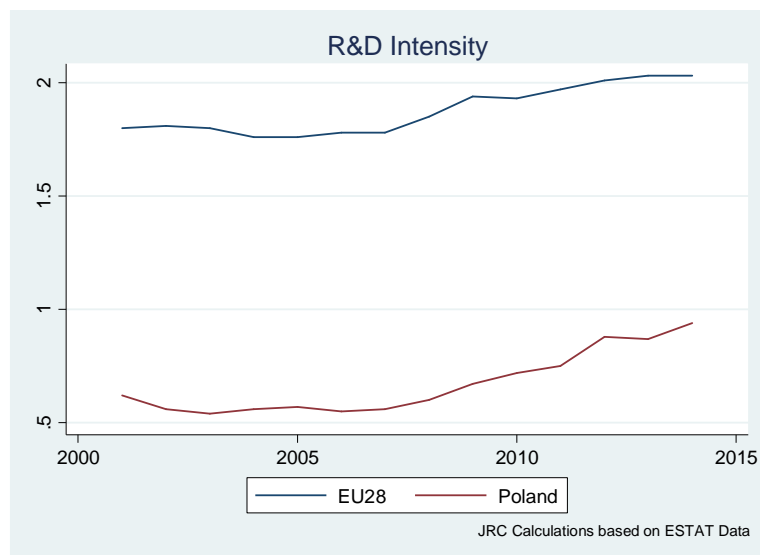
\* EU13 aggregate not available in EUROSTAT

\*\* R&D personnel refer to the number of full time equivalent R&D personnel.

\*\*\*Unemployment uses latest available figures for 2013 age group 15 years and over.



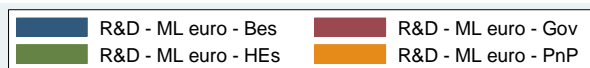
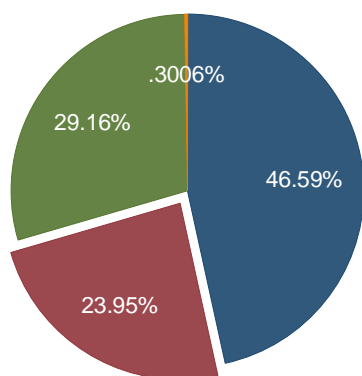
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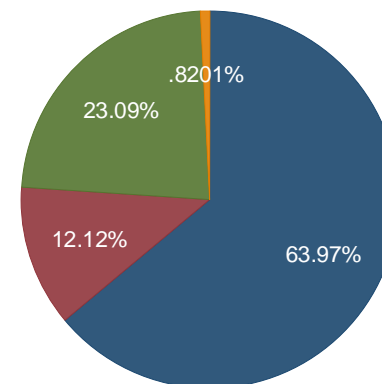
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R&D Investment - Poland 2014



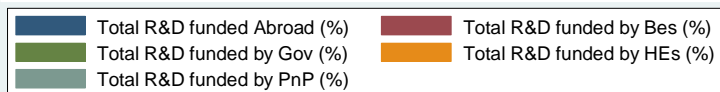
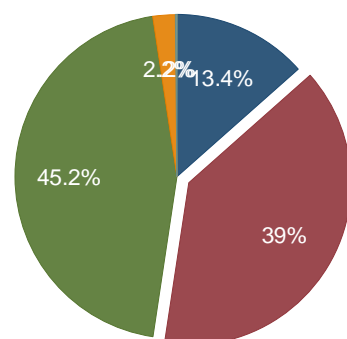
JRC Calculations based on ESTAT Data

R&D Investment - EU28 2014



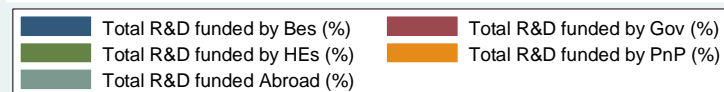
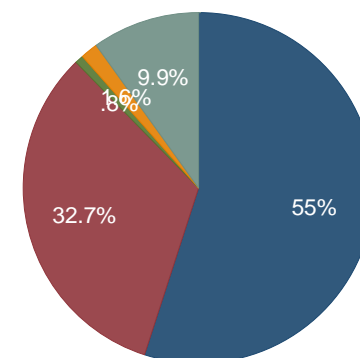
JRC Calculations based on ESTAT Data

R&D Funding - Poland 2014



JRC Calculations based on ESTAT Data

R&D Investment - Funding - EU28 2013



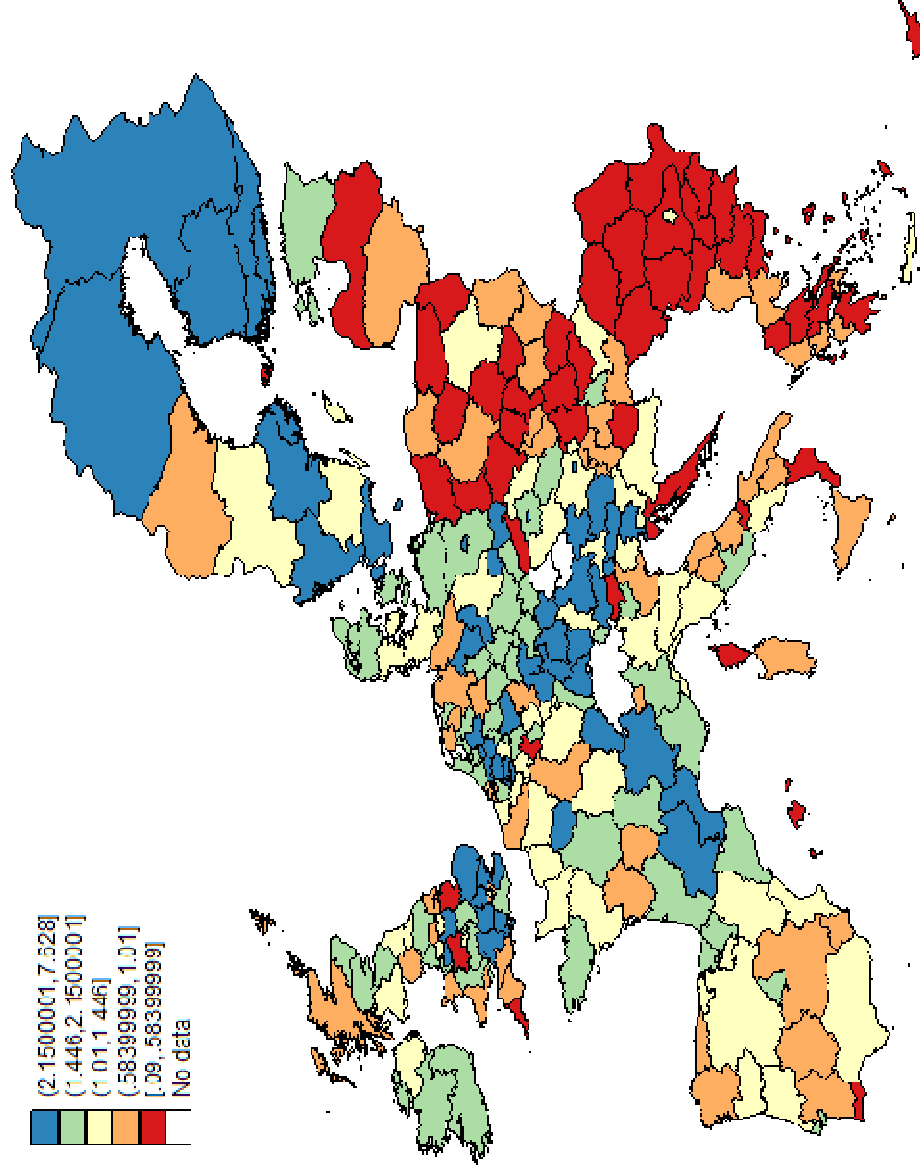
Source: JRC Calculations based on ESTAT data



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## Regional R&D Intensity as a % of GDP

### 5 Country Groups

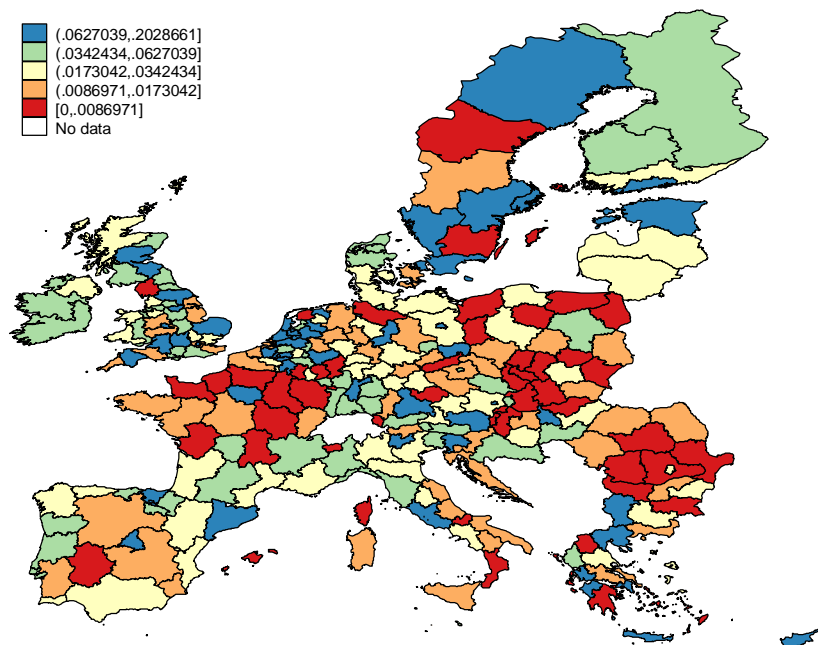


Source: JRC/IPTS



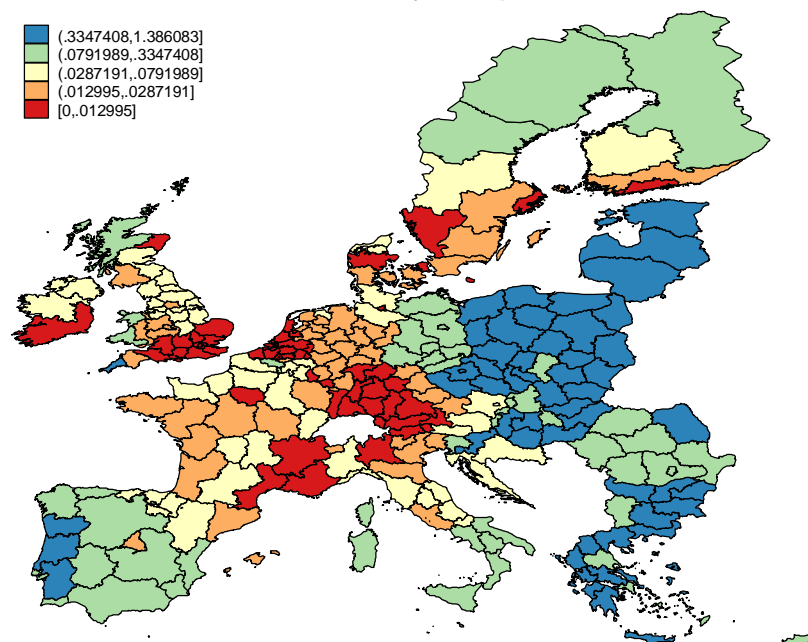
## Funding Distribution of 7<sup>th</sup> FP and SFs

FP-based R&D Intensity as a % of GDP  
5 Country Groups



Source: JRC/IPTS

SF-based R&D Intensity as a % of GDP  
5 Country Groups



Source: JRC/IPTS



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# Stairway to excellence

Cohesion Policy and the Synergies with the  
Research and Innovation Funds

## POLAND Facts & Figures



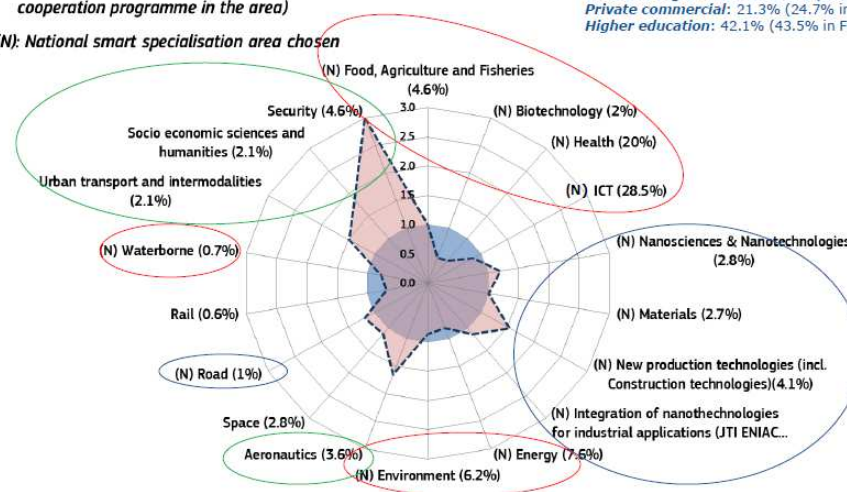
# S2E Facts and Figures

## Poland – FP7 thematic profile

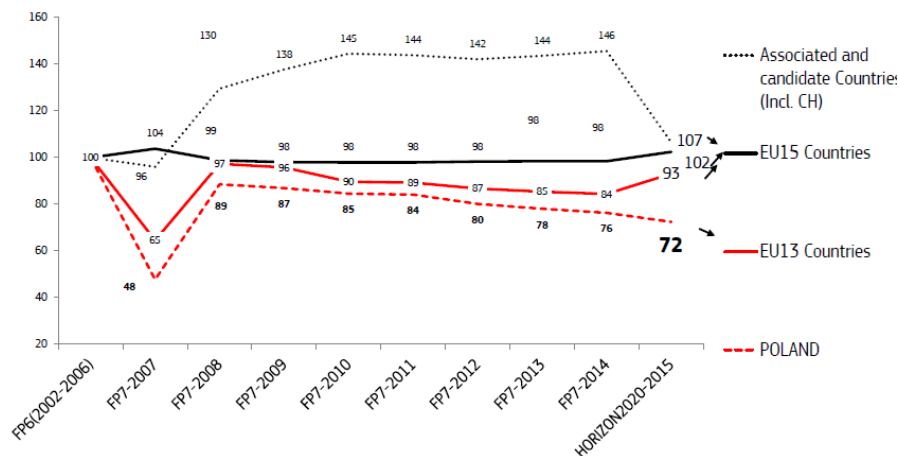
■ Framework programme 7 (% of FP7 budget dedicated to  
cooperation programme in the area)

(N): National smart specialisation area chosen

Research organisations: 32.7% (26.9% in FP7)  
Private commercial: 21.3% (24.7% in FP7)  
Higher education: 42.1% (43.5% in FP7)



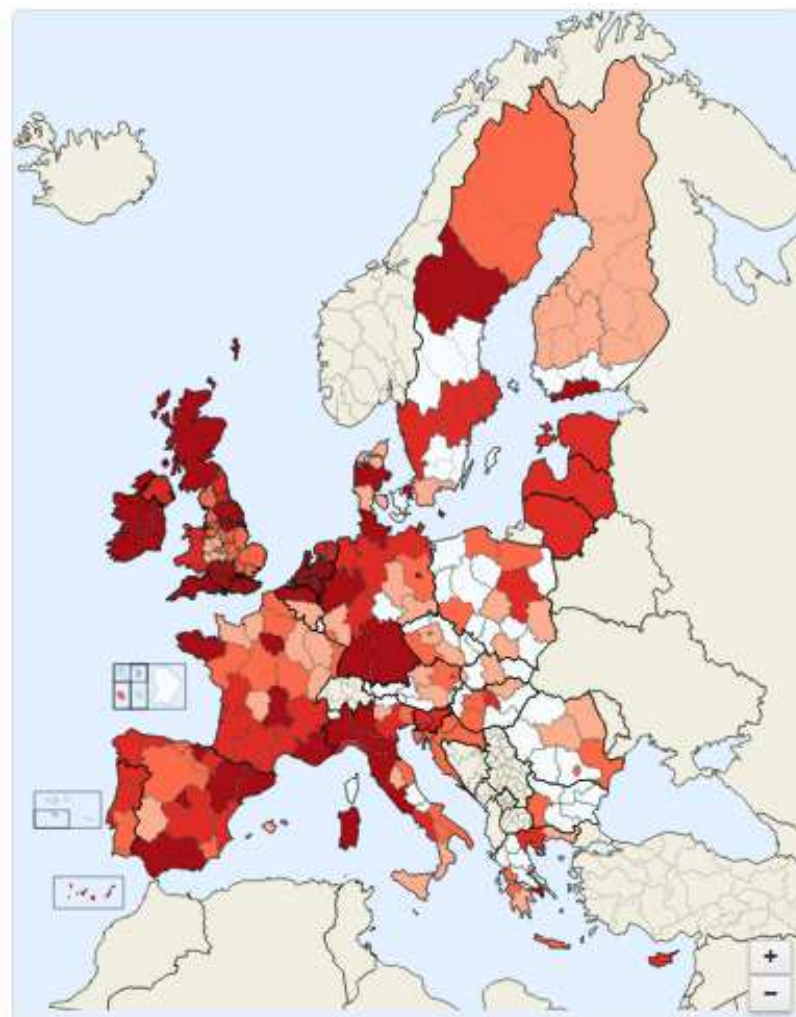
## Evolution of the Share of EU FP contribution received





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# R&I Regional Viewer



## Economic Data

Regional context indicators  
Last available data

GDP - Euro per capita ▼

## Structural Funds

Planned investments  
2014-2020

Total ESIF Research & ▼

## Horizon 2020

Allocated funding  
2014-March 2016

EU.3.2. - Food security ▼

Food Security, Sustainable Agriculture and  
Forestry, Marine, Maritime and Inland  
Water Research and the Bioeconomy



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# S2E Web

## S3 Targeted Support

[RIS3 in REMTh](#)

[Rural Innovation](#)

**Stairway to Excellence**

[What is Stairway to](#)

[Excellence](#)

[National Events](#)

[Country & Region](#)

[Information](#)

[Synergies Examples](#)

[Instruments, Platforms &](#)

[Concepts](#)

[Relevant Initiatives](#)

[Reference Documents](#)

[FAQ on S2E](#)

## Latest News

### CALL FOR CONTRIBUTION

**S3 Targeted Support**

CALL FOR CONTRIBUTION to  
forthcoming S2E events

### Latest S2E activity

**S3 Targeted Support**

Latest publications available on-line

### UPCOMING S2E National Events

## Stairway to Excellence

### What is Stairway to Excellence

The "Cohesion Policy and the synergies with the research and development funds: the STAIRWAY TO EXCELLENCE (S2E)" project was launched in 2014 within the [Smart Specialisation Platform \(S3P\)](#).

The **Stairway to Excellence (S2E)** project aims to support [EU13 regions and countries](#) in developing and exploiting the synergies between European Structural and Investment Funds (ESIF), Horizon 2020 (H2020) and other EU funding programmes and:

- Assist them in closing the innovation gap, in order to promote excellence in all regions and EU countries;
- Stimulate the early and effective implementation of national and regional Smart Specialisation Strategies.

[Activities of S2E](#)

[Background for the Project](#)

### National Events

[National Events](#) are being organized in [EU13 Members States](#) to:

- Ease understanding of national and regional innovation ecosystems
- Raise awareness to enable synergies between EU funding programmes
- Share experiences in combining Structural Funds and Framework Programme to improve excellence
- Draw lessons for the future and identify follow-up actions to enhance potential synergies

### Country & Region Information

Quantitative and Qualitative information are produced for [EU13 regions and countries](#):

- [National and Regional Fact & Figures](#) aim to draw the European profile of a country/ region with statistical and financial information coming from the EU's 7th Framework Programme and Structural Funds dedicated to research and innovation.
- [S2E Country Reports](#) provide further analysis on selected policy issues that affect optimal use and the combination of key EU funds for R&I and offer country-tailored policy suggestions aiming to tackle the weaknesses identified in the analysis.





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#### S3 Targeted Support

S2E organizes National Events in all EU13 Member States

## Related Links

Smart Specialisation Platform (SS3P) HomePage, and specifically:

- S3 Platform Membership Registered Countries and Regions
- Eye@RIS3
- Eye@RIS3 Specialisation Mapping
- Guides related to aspects of the S3

DIG REGIO HomePage

## Contacts

Contact the S2E email box

Know the S2E Team members

More Specific contacts are available for the respective registered Member States on S3P, for instance:

- H2020 National Contact Points
- European Enterprise Network branches

## Synergies examples

Synergies examples are provided in which SF/ ESIF and FP7/ H2020 funds have been combined in order to amplify the R&I investments and their impact, using different forms of innovation and competitiveness support, or carrying innovative ideas further along the innovation cycle or value chain to bring them to the market.

## Instruments, Platforms & Concepts

Fiches are being made available on a selection of European instruments/ platforms/ concepts that can be considered as facilitators especially for "downstream activities", to exploit and diffuse results from earlier programming period (FP7) and current one (H2020), and as key elements in monitoring the implementation of synergies in their various forms.

## Relevant Initiatives, Projects and Platforms

Beyond the Reference Documents (below) and Related Links (left), there are a number of Relevant Initiatives, Projects and Platforms for Cohesion Policy and the synergies with the research and development funds.

## Reference Documents

We gather Reference Documents relevant to Cohesion Policy and the synergies with the research and development funds, including guidance for Policy-Makers, Implementing Bodies and Beneficiaries of EU Funds and instruments issued by the European Commission or other bodies.

## FAQ

Frequently Asked Questions relate to practical application of the Guidance on synergies between ESIF, Horizon2020 and other research, innovation and competitiveness-related Union programmes.

A list of acronyms is also available.

## Events

## Publications



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Valsts izglītības attīstības aģentūra

## JOINT STATEMENT OF THE NATIONAL EVENT OF LATVIA "The Synergies with Research and Innovation Funds"

*organised by*

European Commission, Joint Research Centre (Stairway to Excellence Initiative)

Latvian State Education Development Agency

15 April 2015, Riga-Latvia

1. Consensus for Better Coordination & New Opportunities
2. Upstream activities
3. Downstream activities
4. The Way Forward

*Key Issue 2: The need for improved research collaboration with the Central and Western European countries (EU15).*

**Potential Actions:** e.g. enhancing the network & learning (and adapting) from good practices across Europe.

**Key Issue 5:** Low rate of participation in international research collaboration  
**Key Issue 6:** Long-term availability (sustainability) of ESIF

**Potential Actions:** e.g. establishment of incubation centres, enhanced autonomy for public universities, institute-dedicated budget, alignment of national funds and performance-based funding.

# Thank you!



<http://s3platform.jrc.ec.europa.eu>

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