

# Policy Debate

## European Commission and Alliance4Life Strategy Board

### **Cornelius Schmaltz**

- European Commission
- Head of Unit RTD-E1: Health – Strategy

### **Stefan Weiers**

- European Commission
- Deputy Head of Unit RTD-B5: Spreading excellence and widening participation

### **Ágnes Hegyváriné Nagy**

- Research Executive Agency
- Project Adviser Unit B5: Spreading excellence and widening participation

### **Vincent Leiner**

- European Commission
- Team Leader DG REGIO-G1: Smart and Sustainable Growth

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**Excellent Science  
(24.4 B €)**

European Research  
Council  
(13.1 B €)

Future and Emerging  
Technologies  
( 2.7 B €)

Marie Skłodowska-Curie  
Actions  
( 6.1 B €)

Research Infrastructures  
( 2.5 B €)

**Industrial Leadership  
(17 B €)**

LEIT = Leadership in  
enabling and industrial  
technologies

- ICT
- Nano, new materials
- Biotechnology
- Space

( 13.5 B €)

Access to Risk Finance  
( 2.9 B €)

Innovation in SMEs  
( 0.6 B €)

**Societal Challenges  
(29.7 B €)**

Health  
(7.5 B €)

Food  
(3.9 B €)

Energy  
(6 B €)

Transport  
(6.3 B €)

Climate  
(3 B €)

Inclusive Societies  
(1.3 B €)

Security  
(1.7 B €)

**Spreading Excellence (0.8 B €)**

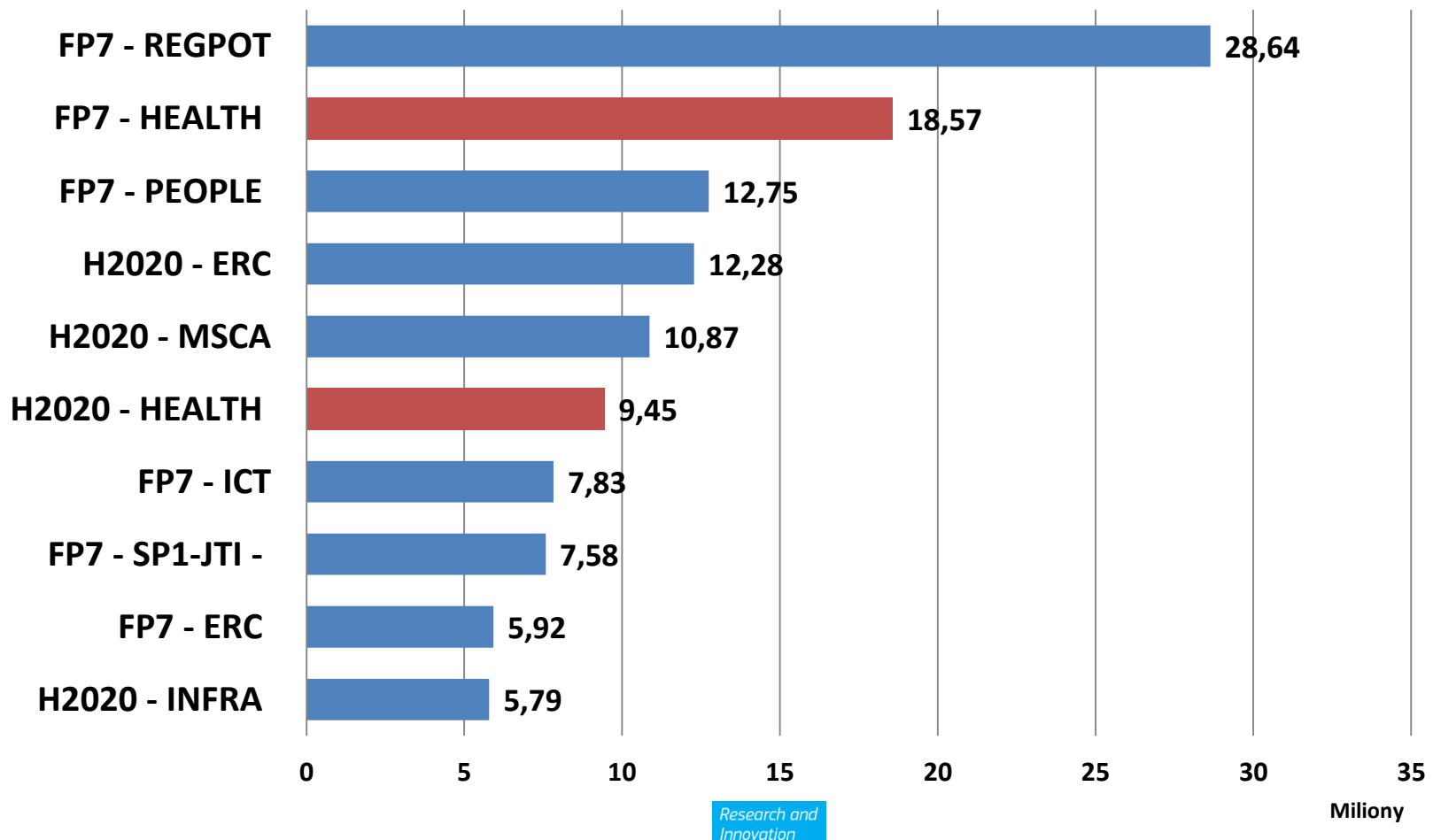
**Science for Society (0.5 B €)**

**EIT (2.7 B €)**

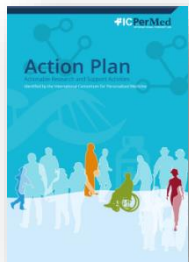
**JRC (1.9 B €)**

**Euratom (1.6 B €)**

## A4L partners in FP7 and H2020 thematic areas



## Health collaborative research 2018–2020



Personalised medicine



Innovative health and care industry



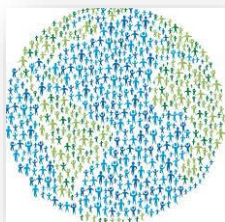
Innovative health, and care systems - Integration of care



Decoding the role of the environment for health and well-being



Digital transformation in Health and Care



Improving global health



Trusted Big Data solutions and Cybersecurity for Health and Care

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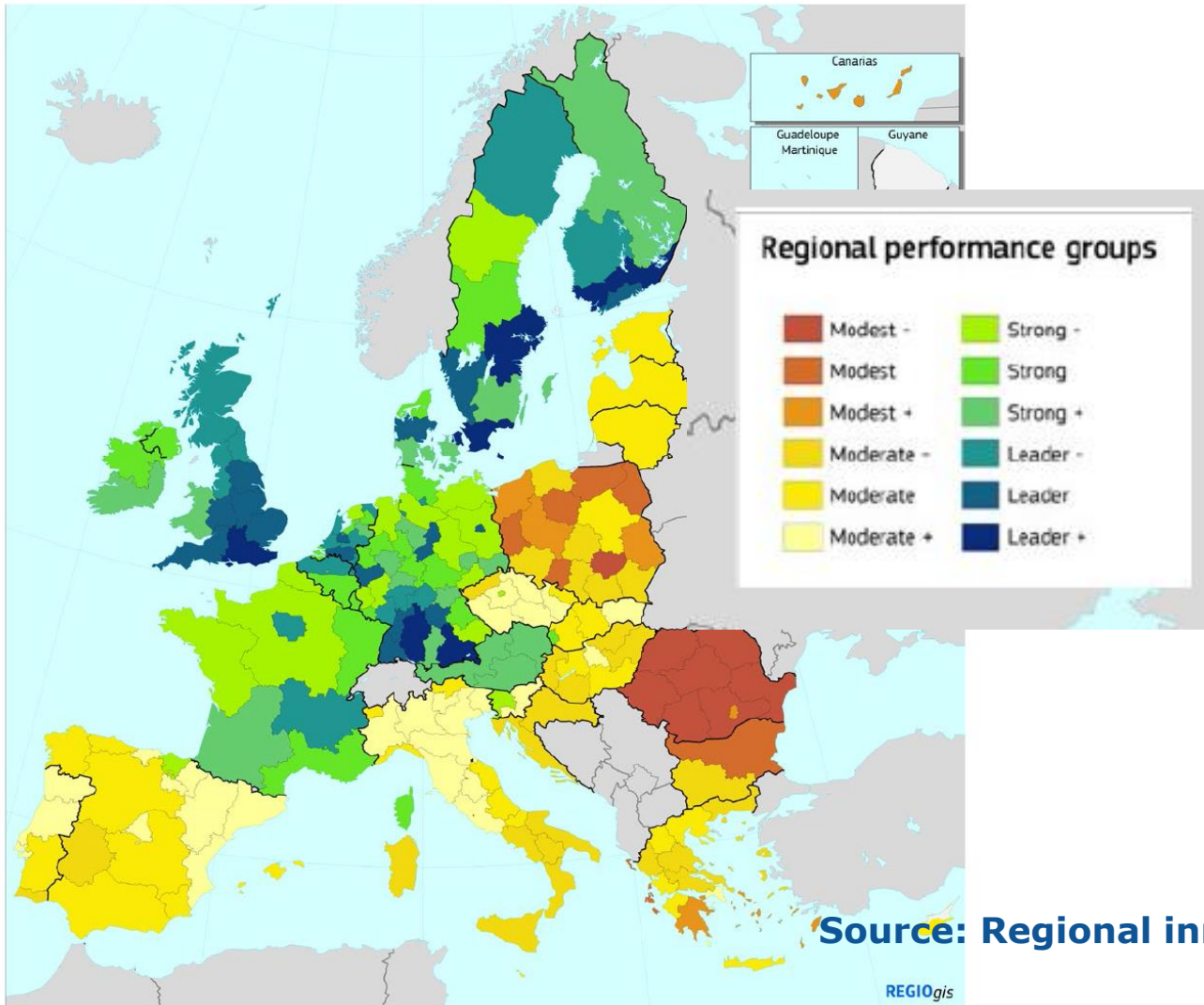
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# The Innovation Divide in Europe



Source: Regional innovation Scoreboard 2017



# HORIZON 2020 & INNOVATION PERFORMANCE

- In absolute terms, 68% of Horizon 2020 funding went to Innovation Leaders and Strong Innovators.
- However, Innovation Leaders and Strong Innovators have a lower share of Horizon 2020 funding in national R&D investment (GERD) when compared to Moderate and Modest Innovators (1.9% vs. 3.3% and 3.2%)

**Figure: Horizon 2020 participation and contribution per Innovation Performance Group of the European Innovation Scoreboard 2017**

	EU MS	GERD (EUR million)	H2020 Contribution (EUR million)	Participations	H2020 Contribution / GERD	% of H2020 Contribution	% of H2020 Participations
Innovation leaders	SE, DK, FI, NL, UK, DE	510,480	9,743	19,347	1.9%	48%	39%
Strong innovators	AT, LU, BE, IE, FR, SI	219,546	4,158	9,446	1.9%	20%	19%
Moderate innovators	CZ, PT, EE, LT, ES, MT, IT, CY, SK, EL, HU, LV, PL, HR	150,010	4,945	15,248	3.3%	24%	31%
Modest innovators	RO, BG	3,346	107	685	3.2%	1%	1%

Source: Corda, Cut-off date 1.1.2017 & Eurostat GERD (2014-2016) [rd\_e\_gerdtot] (EUR million) & Innovation Scoreboard 2017



# The Widening Package under H2020

## Actions in H2020 **Spreading Excellence and Widening Participation:**

- Teaming -> institution building
- Twinning -> institutional networking
- ERA Chairs -> bringing excellence to institutions
  
- NCPs -> information, communication, support
- Policy Support Facility -> support for R&I Policy design
- *COST -> stimulating cross border science networks (implemented by intergovernmental organisation)*

Total Budget in H2020 ~ **€ 800 million**

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# Project participation details (January 2018)



European  
Commission

## Total:

Funded Projects  
**15.442** 100,00%  
of total

Project Participations  
**72.171** 100,00%  
of total

EU Contribution (EUR)  
**27,7G** 100,00%  
of total

## Widening countries only:

Funded Projects  
**3.344** 21,66%  
of total

Project Participations  
**7.894** 10,94%  
of total

EU Contribution (EUR)  
**1,86G** 6,71%  
of total

EU Contribution by country (EUR)

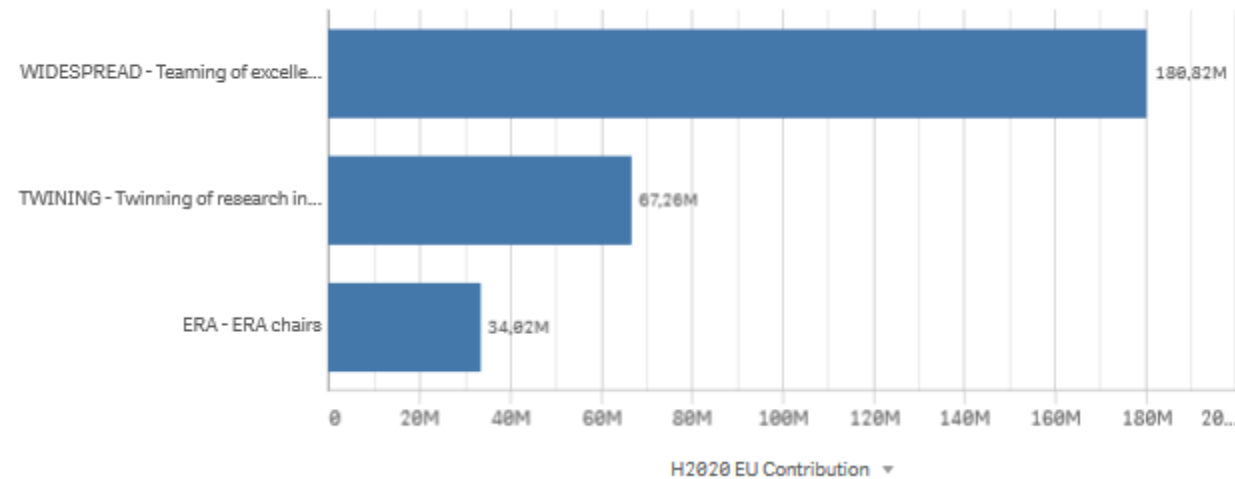


# Projects in Widening

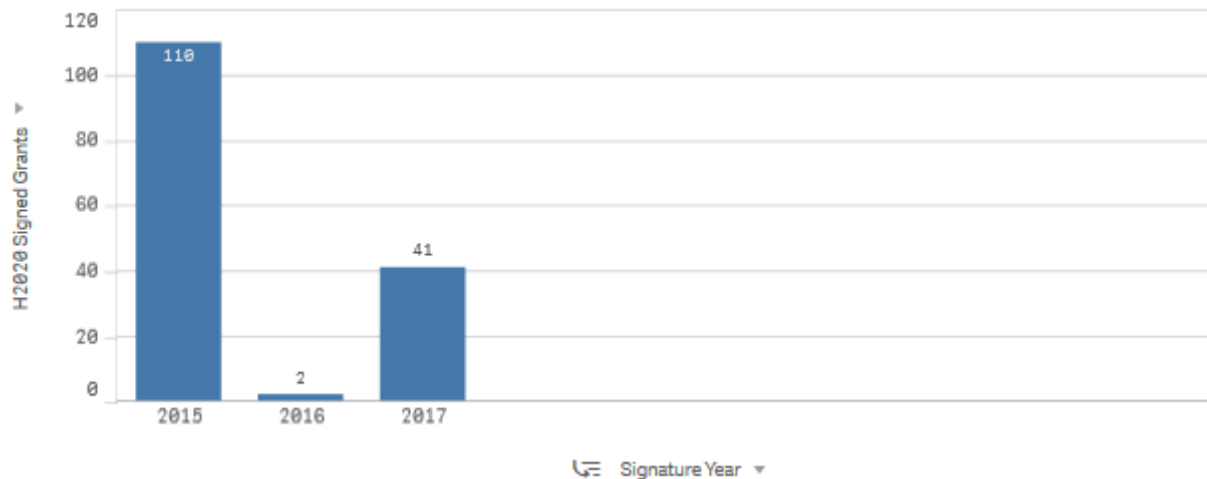
(Status of January 2018)

European  
Commission

### EU Contribution by Pillar / Thematic Priority



### Signed Grants / Participant EU Contribution by Project Signature Year / Month

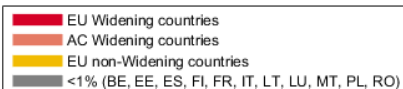
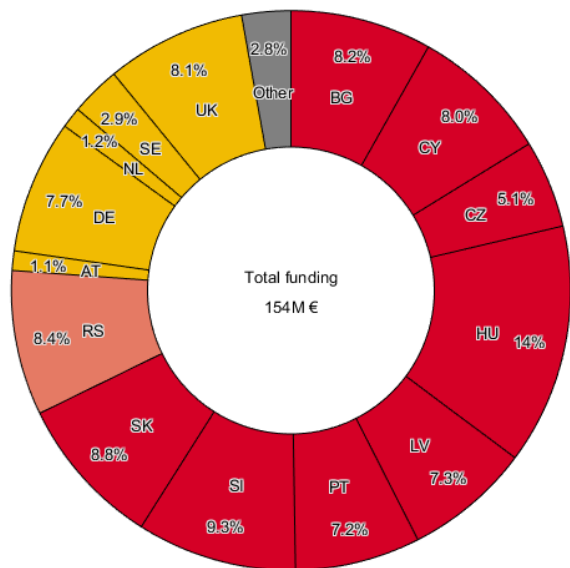


# EU contribution in Widening

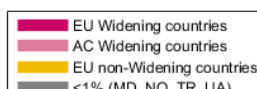
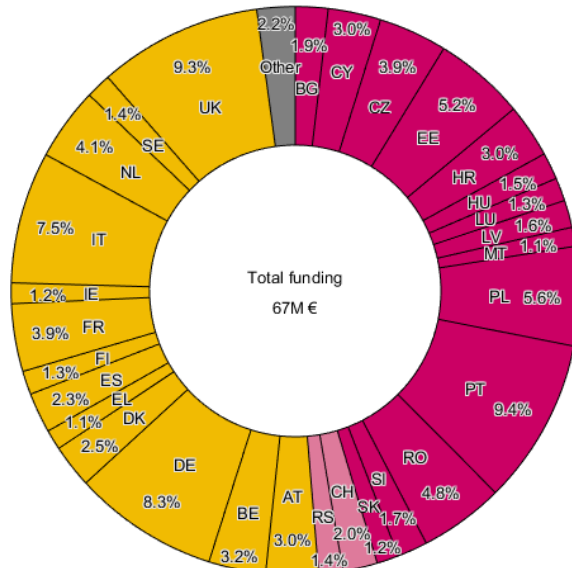
(Status of autumn 2017, NCP-Widenet)

European  
Commission

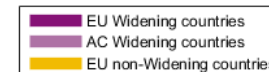
## TEAMING



## TWINNING



## ERA-CHAIRS



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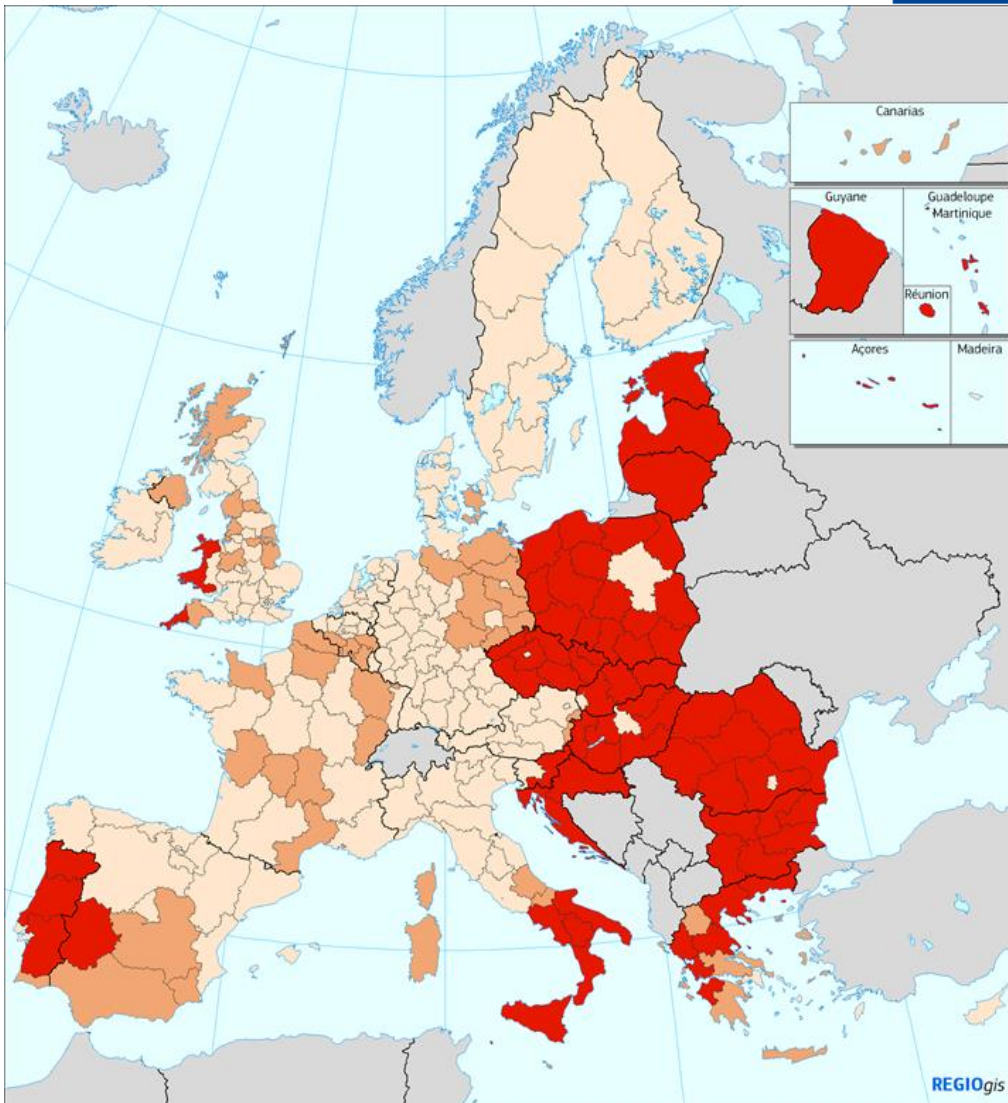
European  
Commission

## Regional policy:

**EUR 350 billion** from  
Cohesion Fund, European  
Regional Development  
Fund, and European Social  
Fund (2014-2020)

**80% for less-developed  
regions** (cohesion objective)

Around **400 programmes**  
(national, regional, and  
"Interreg"), structured  
around **11 Thematic  
Objectives**

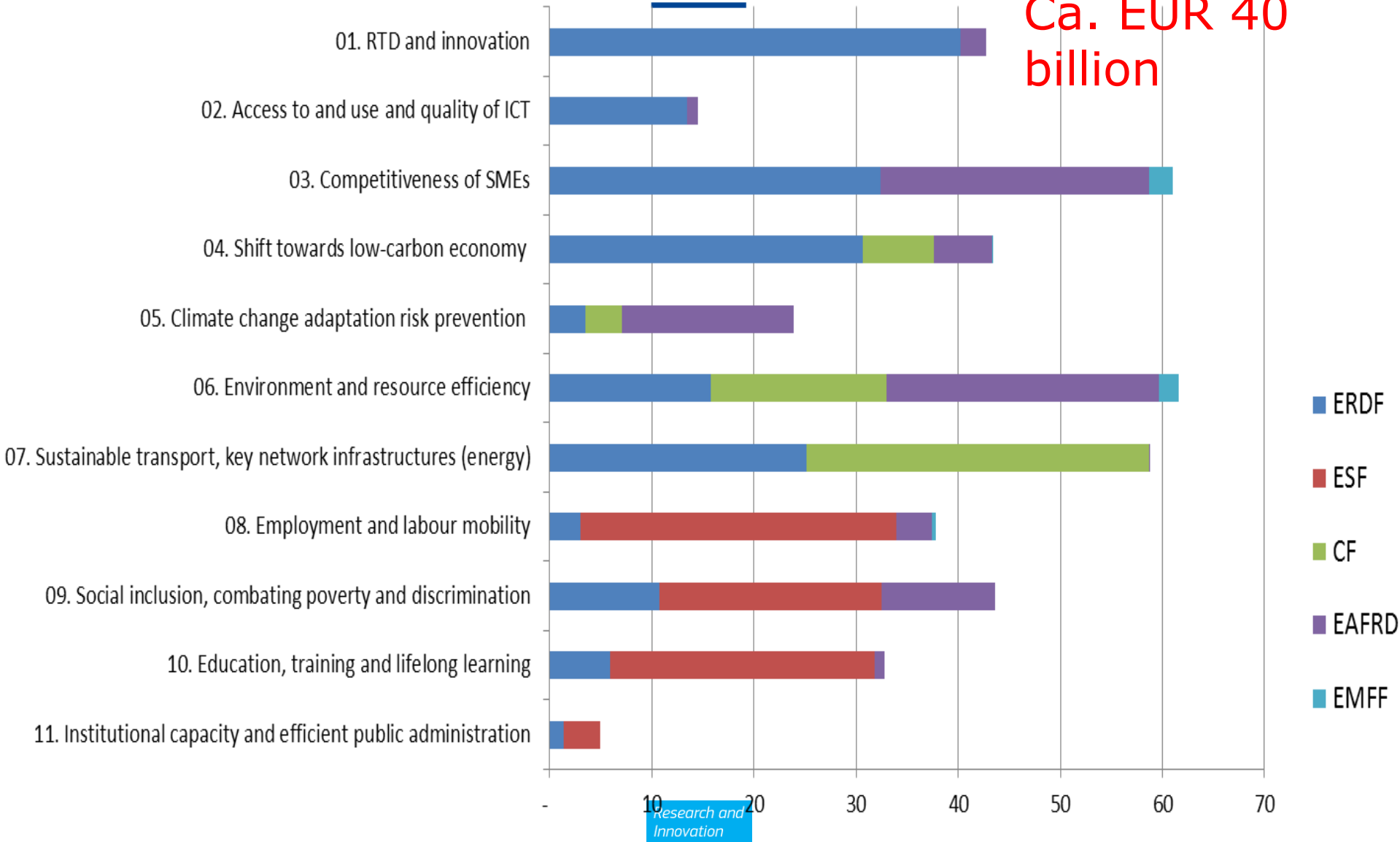


REGIOgis  
Research and  
Innovation



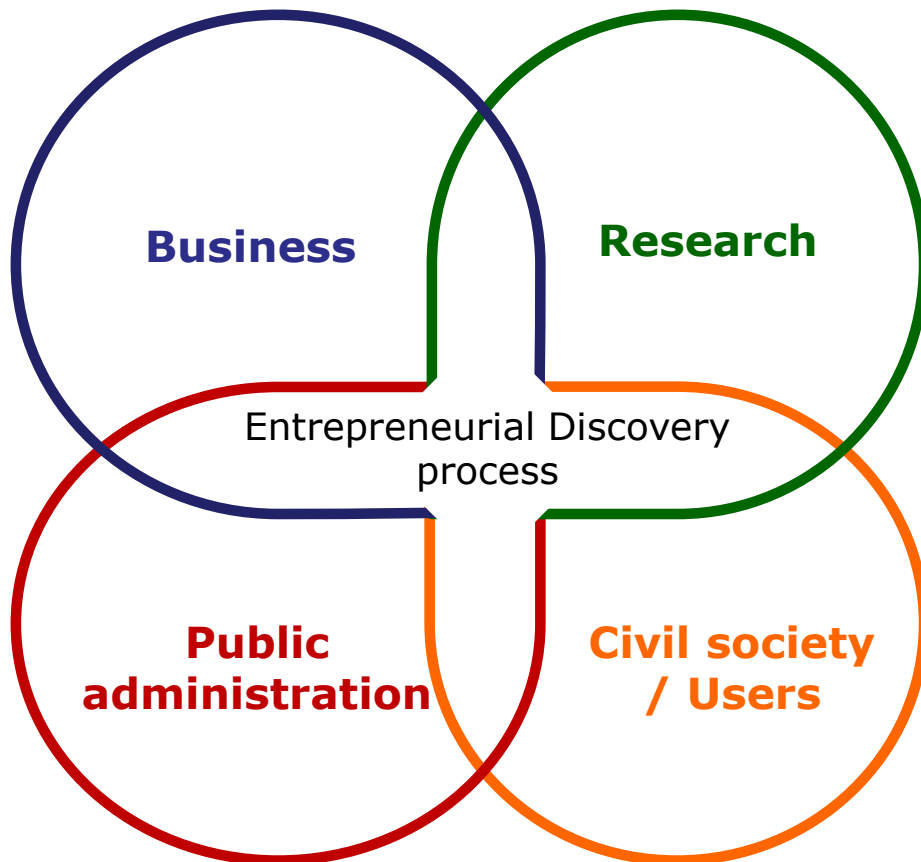
European Commission

Ca. EUR 40 billion





## 121 Smart Specialisation Strategies for Research and Innovation (RIS3)

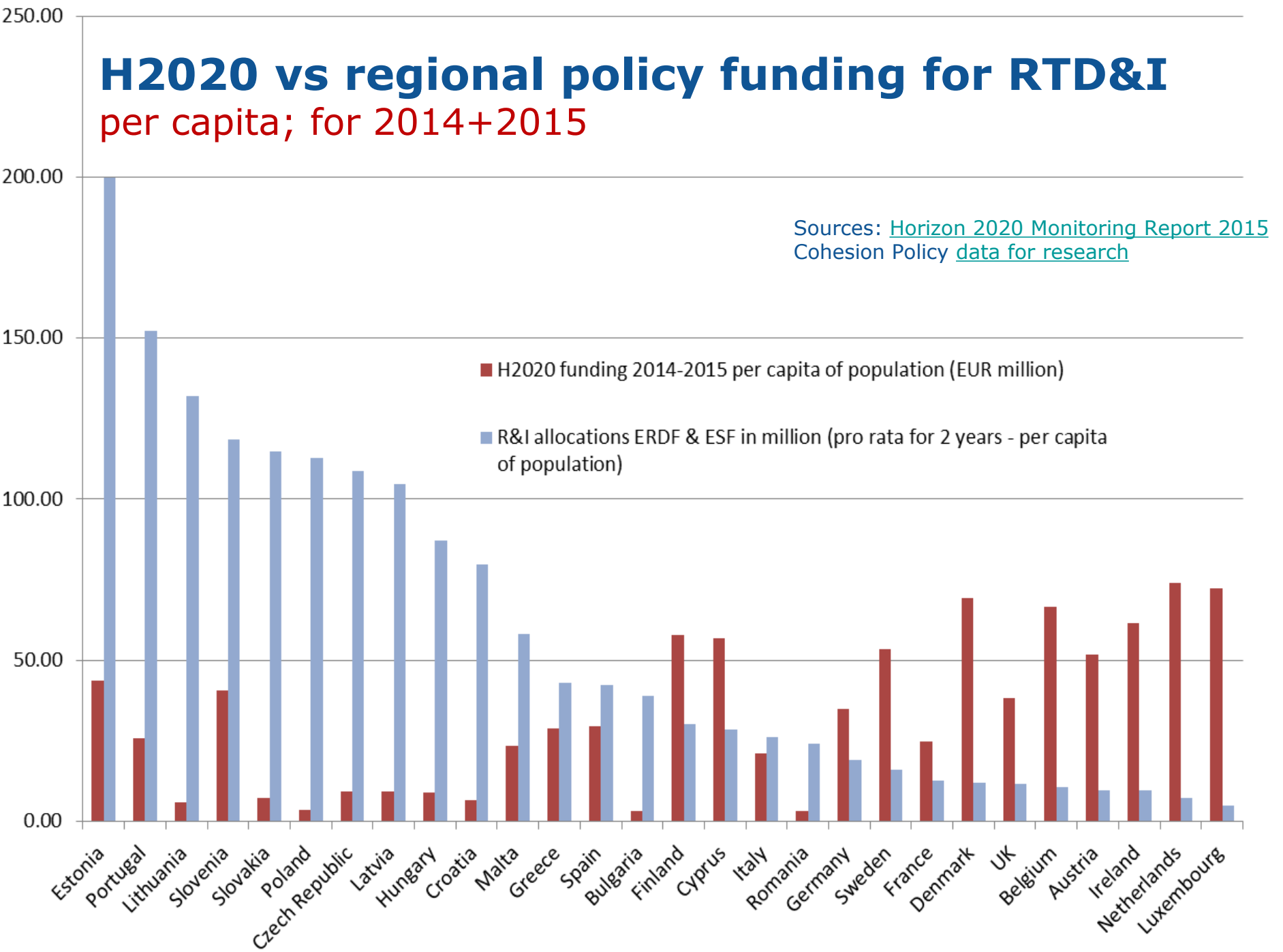


	<b>A total of 1260 PRIORITIES</b>	
<b>AGRO-FOOD</b> related	271	22%
<b>KETs as transversal theme</b>	267	21%
<b>HEALTH</b> related	<b>192</b>	<b>15%</b>
<b>ENERGY</b> related	178	14%
<b>DIGITAL AGENDA</b> related	144	11%
<b>ENVIRONMENT</b> related	59	5%
<b>CREATIVE/CULTURAL INDUSTRIES</b> related	48	4%
<b>TRANSPORT AND LOGISTICS</b> related	38	3%
<b>SOCIAL INNOVATION, ORGANISATIONAL MODELS, OTHERS</b>	25	2%

# H2020 vs regional policy funding for RTD&I

per capita; for 2014+2015

Sources: [Horizon 2020 Monitoring Report 2015](#)  
[Cohesion Policy data for research](#)

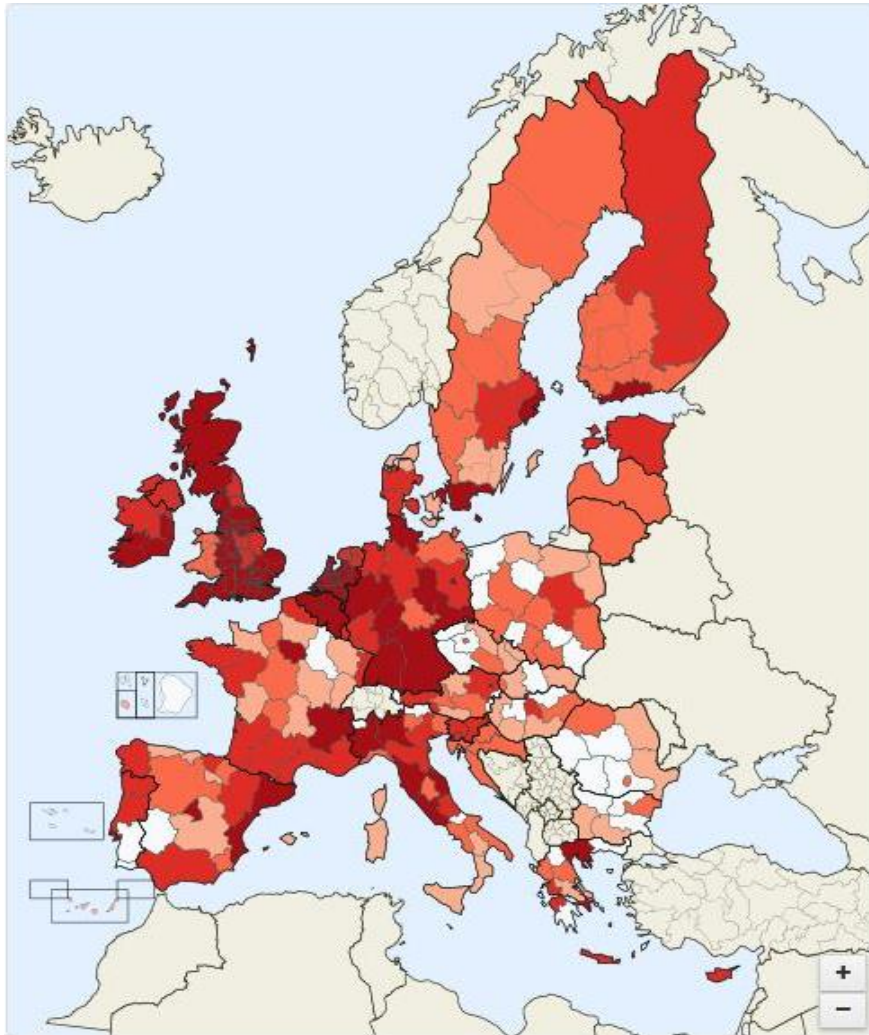




European  
Commission

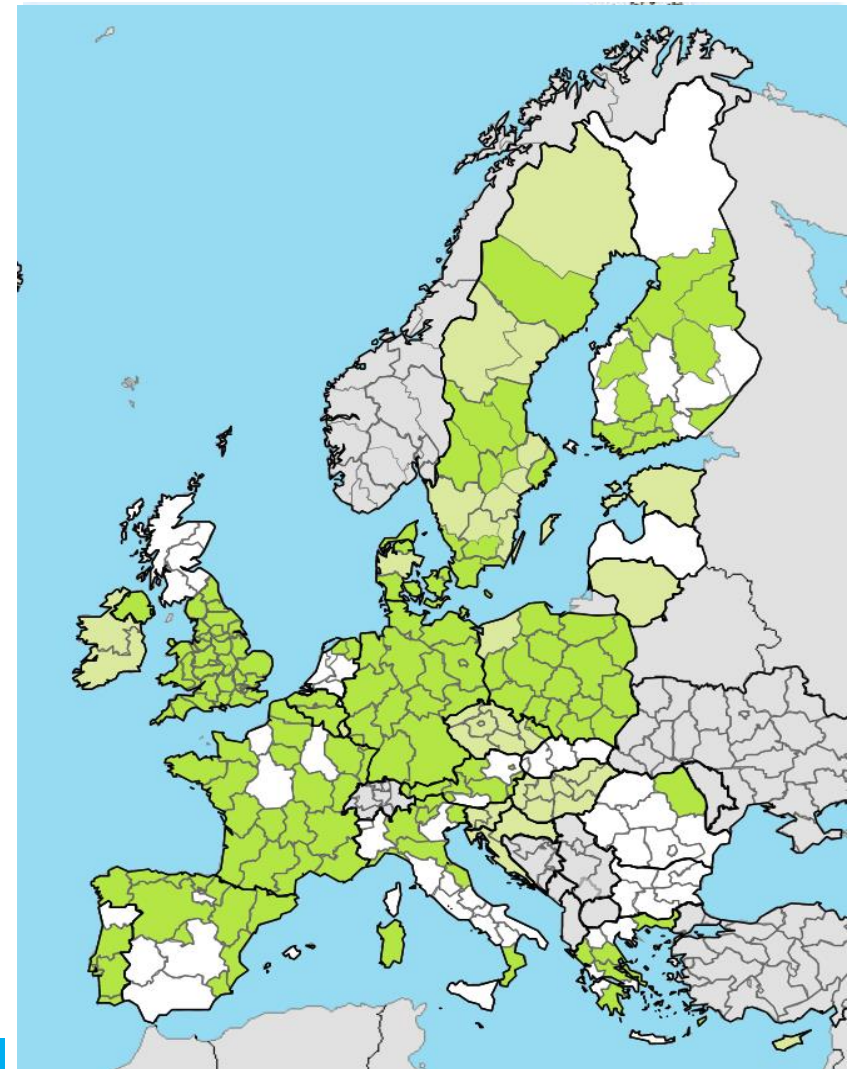
## H2020 health, demographic change and well-being funding (1/2014-10/2016)

## Smart Spec. priorities related to health



No data < 0.7 M 0.7 M - 3.4 M 3.4 M - 9.6 M > 9.6 M

Research and  
Innovation



EU Countries with Encoded S3 Priorities EU Regions with Encoded S3 Priorities