



REPUBLIC OF SLOVENIA
MINISTRY OF EDUCATION,
SCIENCE AND SPORT

RESEARCH AND INNOVATION IN SLOVENIA

2019

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REPUBLIC OF SLOVENIA
**MINISTRY OF EDUCATION,
SCIENCE AND SPORT**

Institutional structure

Ministry of Education, Science and Sport

Science
Directorate

Science
Division

Division for R&D
structural funds

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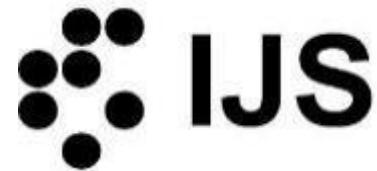
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S&T Landscape

- ▶ 5 universities (2 emerging)
- ▶ 16 national research institutes
- ▶ > 600 R&D units in business sector



NACIONALNI INSTITUT ZA BIOLOGIJO



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Governance of R&I system

Government

S&T Council

MIZS

MGRT

Other
ministries

POLICY

SRA

SPIRIT

FINANCING

Research
organizations

Centres of
Excellence

Technology
Parks,
Networks and
Centres

PERFORMANCE

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MINISTRY

AGENCY
(executive; independant evaluations)

1. Infrastructural programmes and founder's financing

2. Research programmes and research projects

3. Training and development of scientific staff

4. Research infrastructure

5. Scientific literature

6. International scientific cooperation

RECIPIENTS OF FUNDS
Research organisations (RO)

Public HEI

Public RI

Private RO

Enterprises

RO from abroad



R&D personnel in Slovenia (2016)

Total R&D personnel by OCCUPATION, SECTOR OF EMPLOYMENT, YEAR, SEX and MEASURES

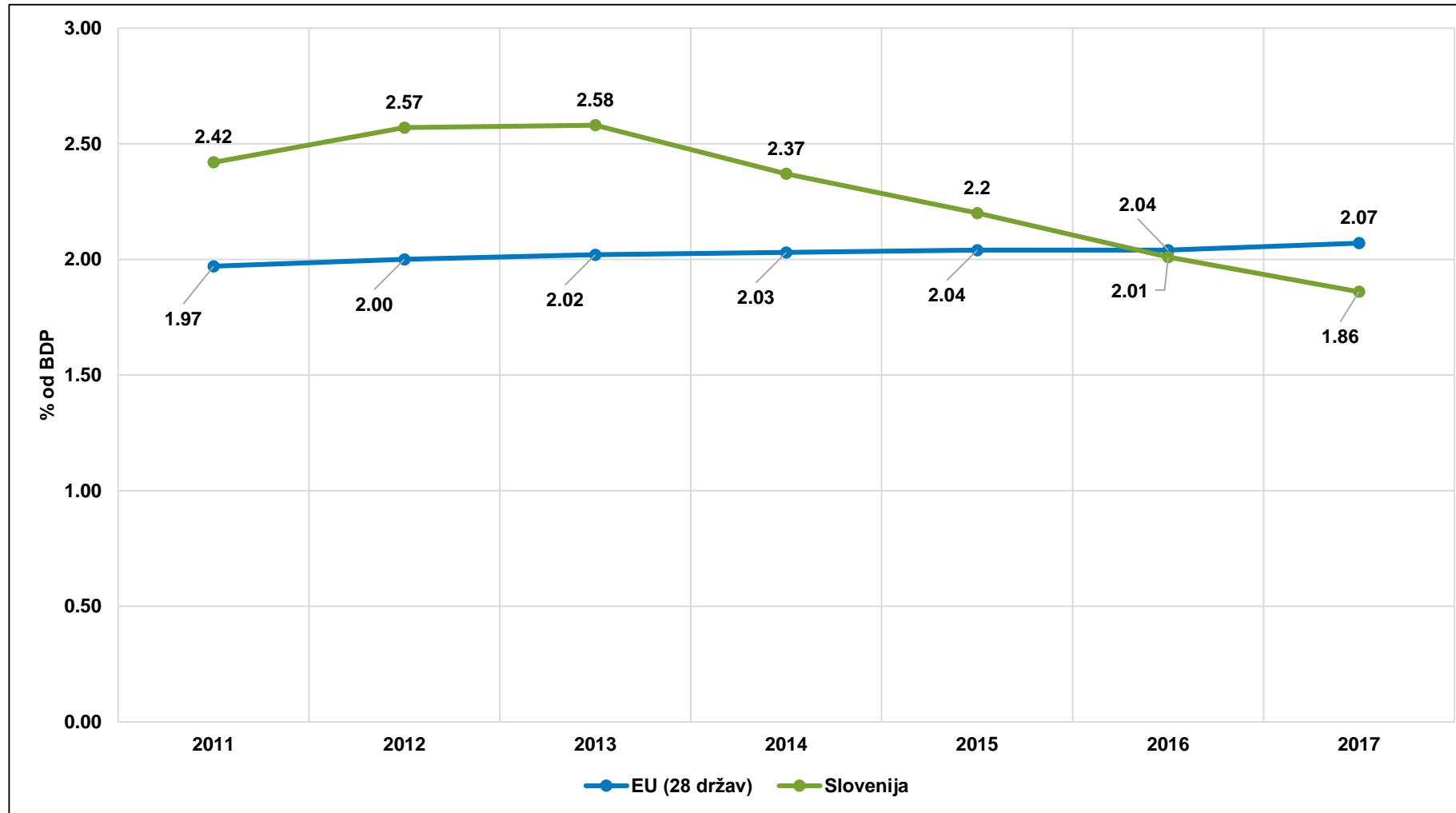
		2016	
		Sex - TOTAL	
		Head counts	Full time equivalent
Researchers	Sector - TOTAL	11282	8119
	Business enterprise sector	5536	4489
	Government sector	1958	1667
	Higher education sector	3776	1951
	Private non-profit sector	12	12

Footnote:

Source: Statistical Office of the Republic of Slovenia.



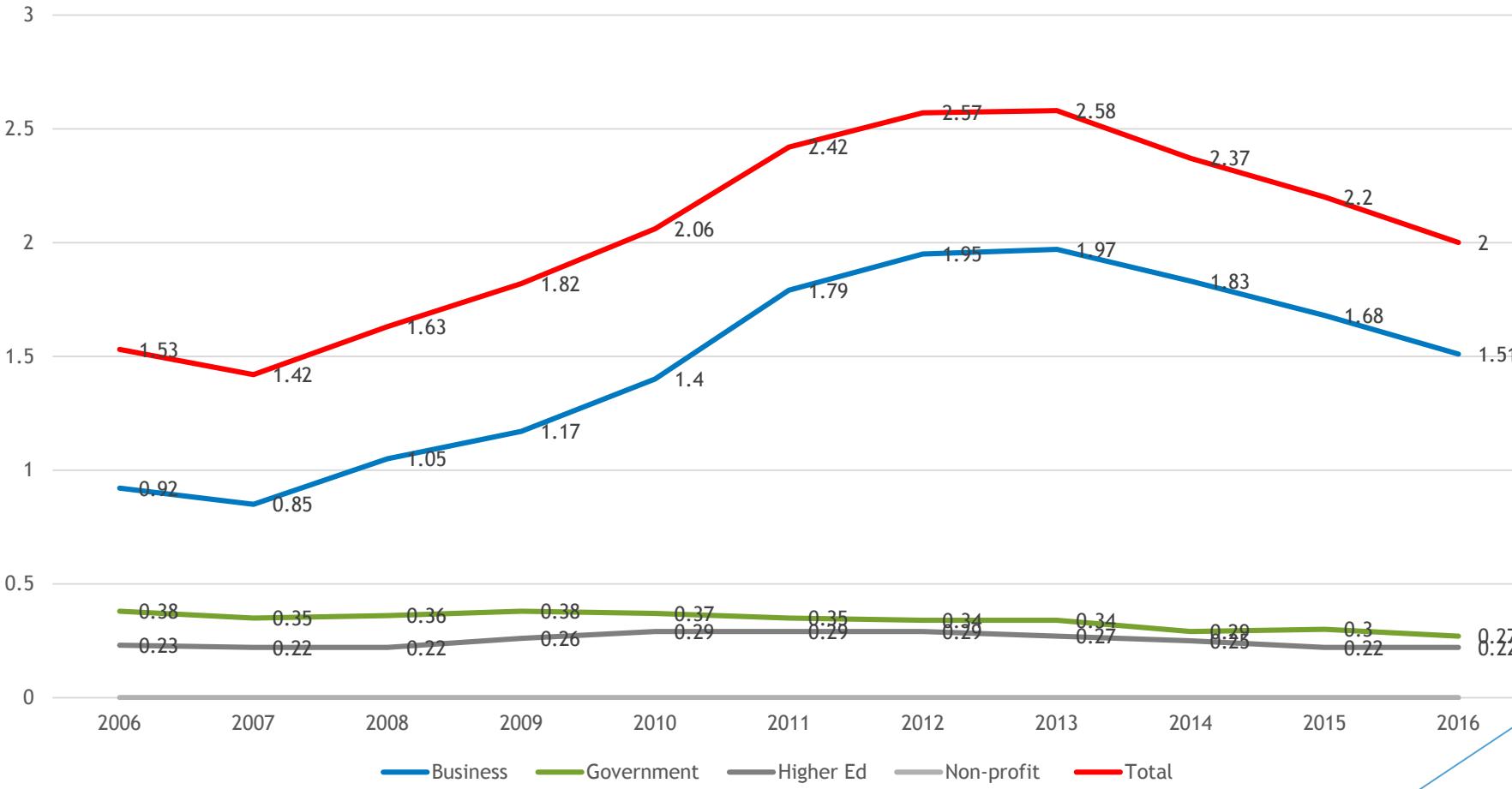
GERD as a % of GDP



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GERD as a % of GDP by sectors



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Strategies (I)

- ▶ Research and innovation strategy of Slovenia 2011-2020 (RISS)
 - ▶ Objective: „to establish modern research and innovation system that will allow for a higher quality of life for all, critical reflection in society, efficiency in addressing social challenges, increased value added per employee, and assure of more and higher quality work-places“





Strategies (II)

- ▶ Smart Specialisation Strategy (S3)
 - ▶ Objective: „sustainable technologies and services for a healthy life“
 - ▶ Priority areas:
 - ▶ HEALTHY WORKING AND LIVING ENVIRONMENT
 - ▶ Smart cities and communities
 - ▶ Smart buildings and homes including wood chain
 - ▶ NATURAL AND TRADITIONAL RESOURCES FOR THE FUTURE
 - ▶ Networks for the transition to circular economy
 - ▶ Sustainable food production
 - ▶ Sustainable tourism
 - ▶ (S)INDUSTRY 4.0
 - ▶ Factories of the future (FoF)
 - ▶ Health – medicine
 - ▶ Mobility
 - ▶ Development of materials as end products



Programme period 2014-2020 ESIF

*Measures for improvement of R&I infrastructure and
excellence development in R&I*

approx. € 185,34 mio. ESRR

Efficient use of research infrastructure and competence development for better cooperation within knowledge triangle

Improvement of international competitiveness and research excellence for
cooperation within value chains

Better use and development of research infrastructure

Efficient cooperation within international research programmes including H2020

Efficient use of researchers potential and mobility (international as well as
sectoral)



Slovenia in FP5, FP6 & FP7

FP5

- ▶ contracts: 385
- ▶ participants: 481
- ▶ EC financing: 39,6 MEUR

FP6

- ▶ contracts: 503
- ▶ participants: 616, co-ordinators: 31
- ▶ EC financing: 76,4 MEUR

FP7

- ▶ contracts: 718
- ▶ participants in retained projects: 930, co-ordinators: 58
- ▶ EC financing: 170,4 MEUR in signed contracts



Slovenia in H2020

H2020 (till 29.09.2018)

- ▶ contracts: 538
- ▶ participants in contracts: 764
- ▶ EC financing: 199,8 MEUR in signed contracts
- ▶ Co-ordinators: 60

Organisation	budget
INSTITUT JOZEF STEFAN	30.298.338,03
UNIVERZA V LJUBLJANI	28.974.757,31
INNORENEW COE	10.454.000,00
KEMIJSKI INSTITUT	10.032.278,19
PIPISTREL	5.486.353,00
XLAB	5.339.894,36
ZAG	4.298.946,25
UNIVERZA V MARIBORU	4.032.009,43
ACIES BIO	3.168.000,10
ELES	2.891.808,13

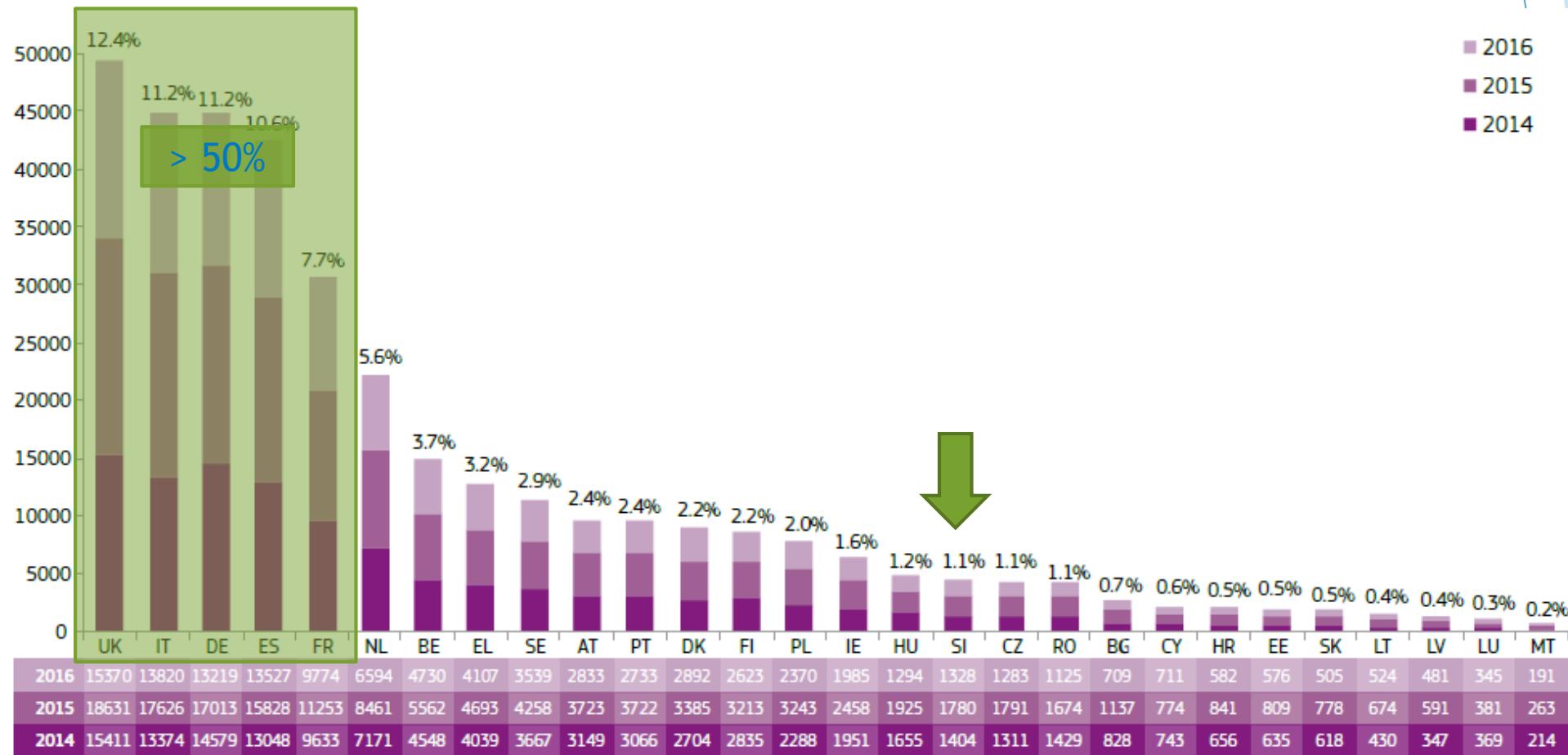


HORIZON 2020

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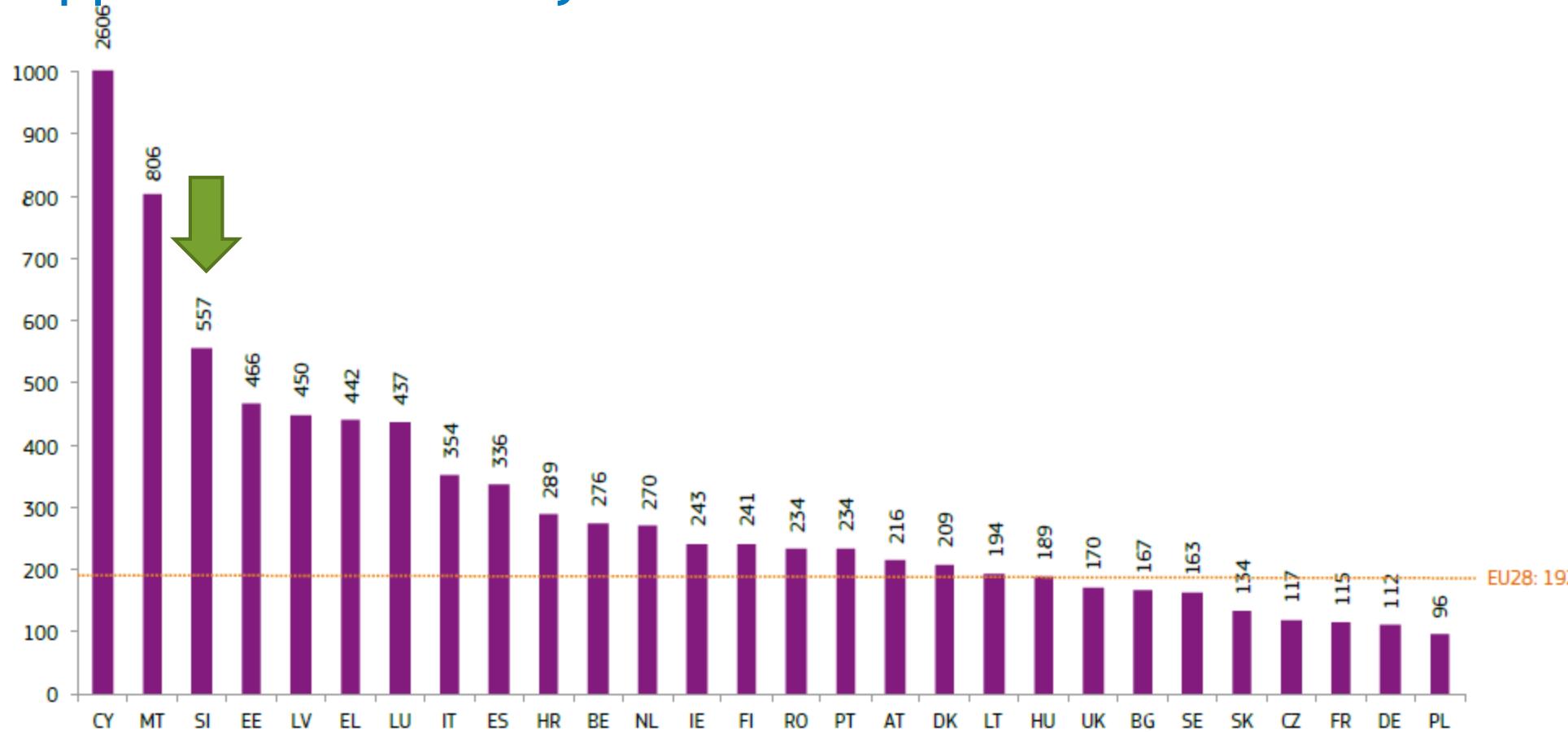


No. of applications by year and fraction in H2020 2014-2016



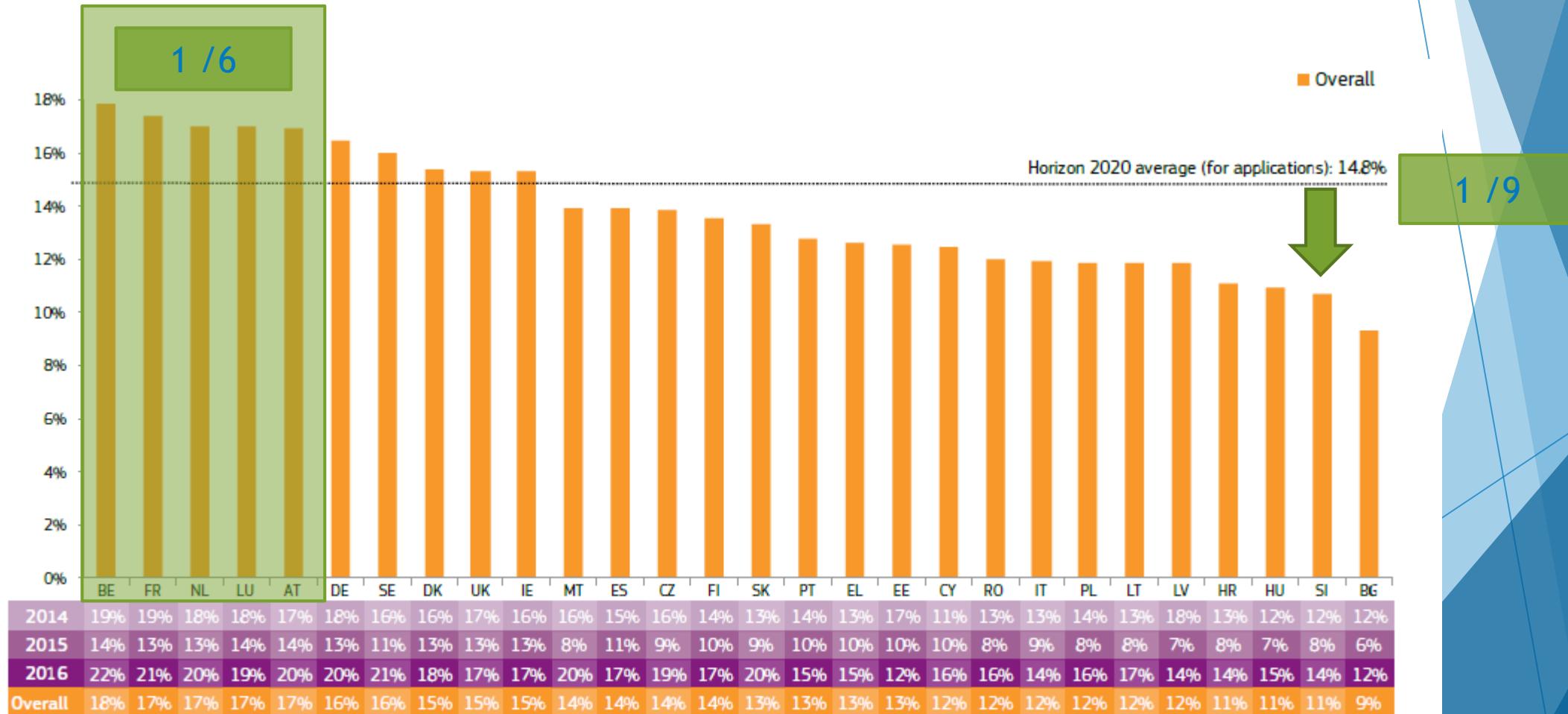


No. of applications per 1000 researchers per MS / application intensity



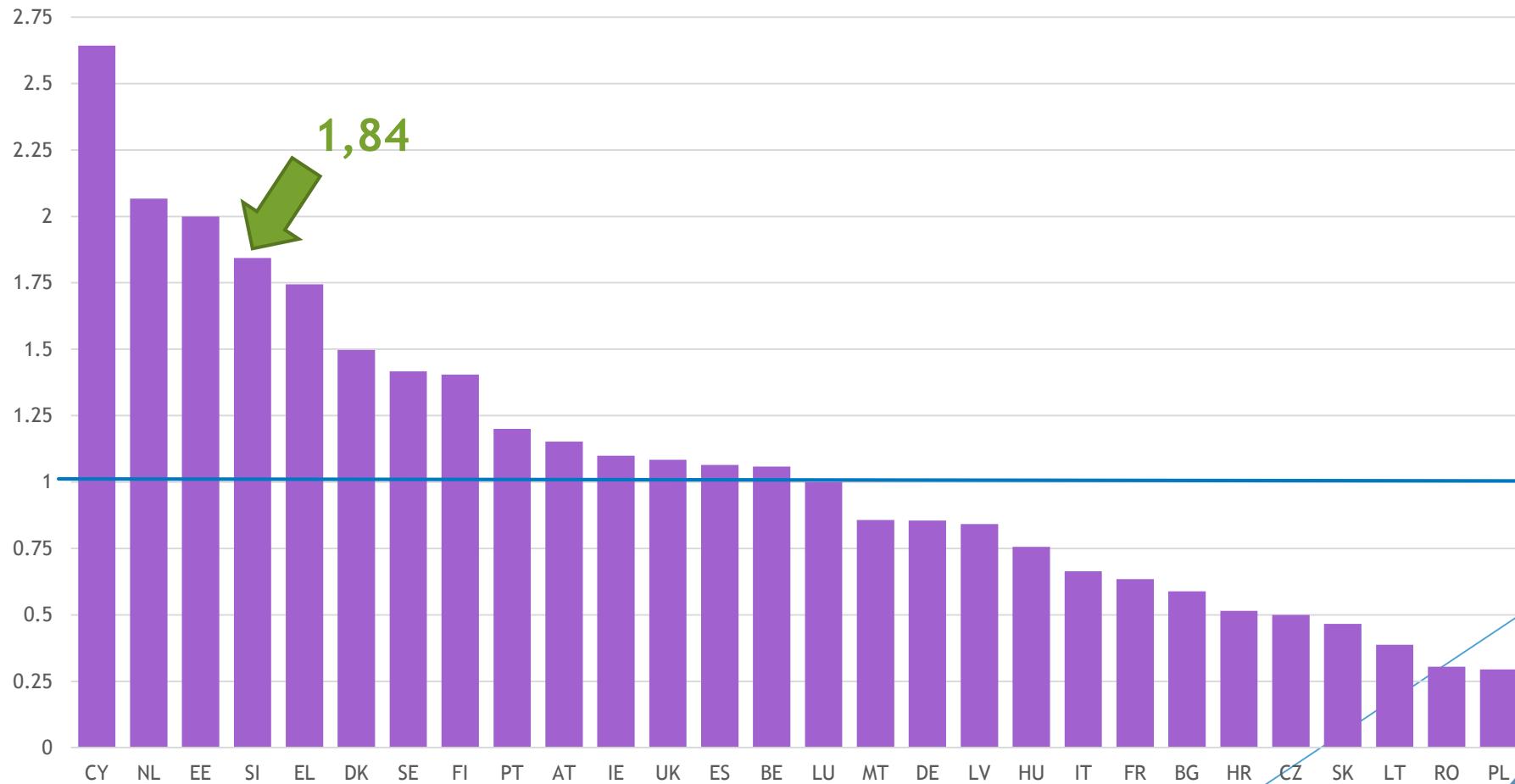


Success rate





Payment to EU budget in 2016 / share of funds received





Synergies between sources

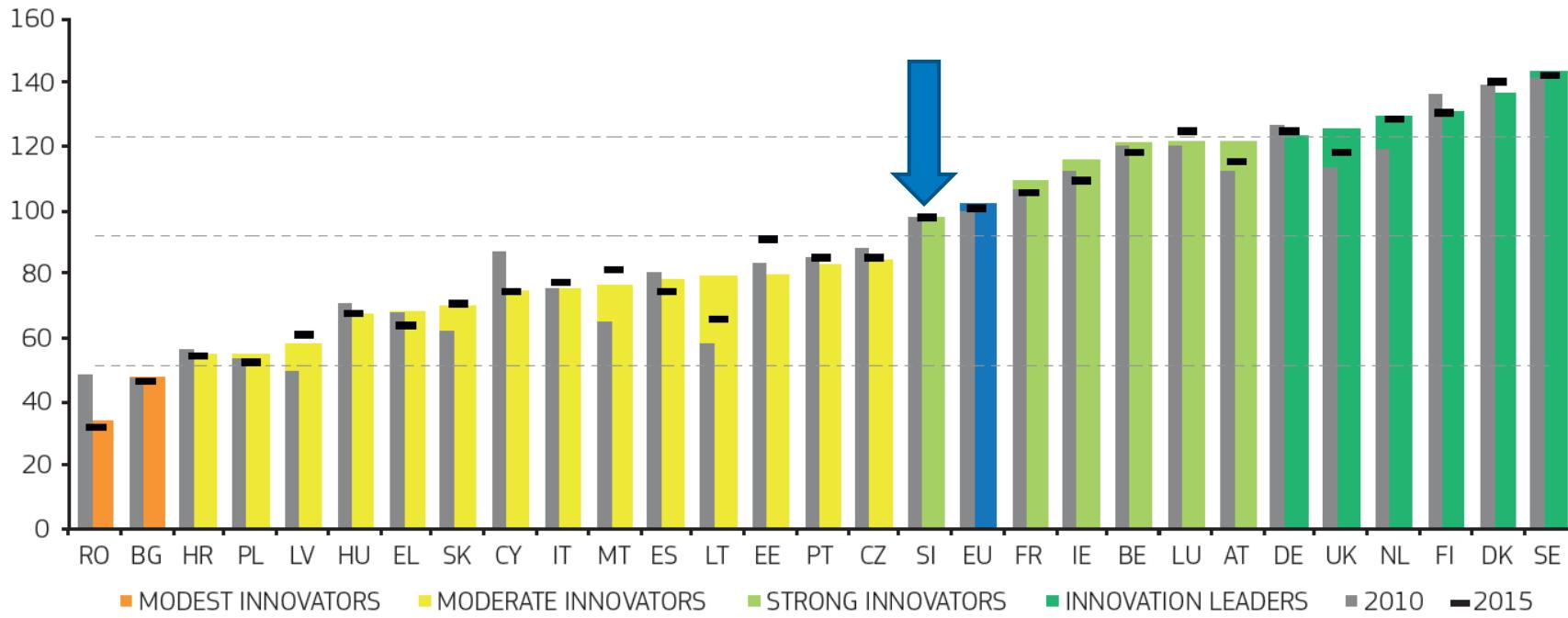


Innovation index

European **Innovation** Scoreboard 2017

EU Member States' innovation performance

Figure 1: Performance of EU Member States' innovation systems



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International cooperation

- ▶ EU
- ▶ OECD
- ▶ International organizations (e.g. CERN)
- ▶ Regional Cooperation
- ▶ Bilateral Cooperation

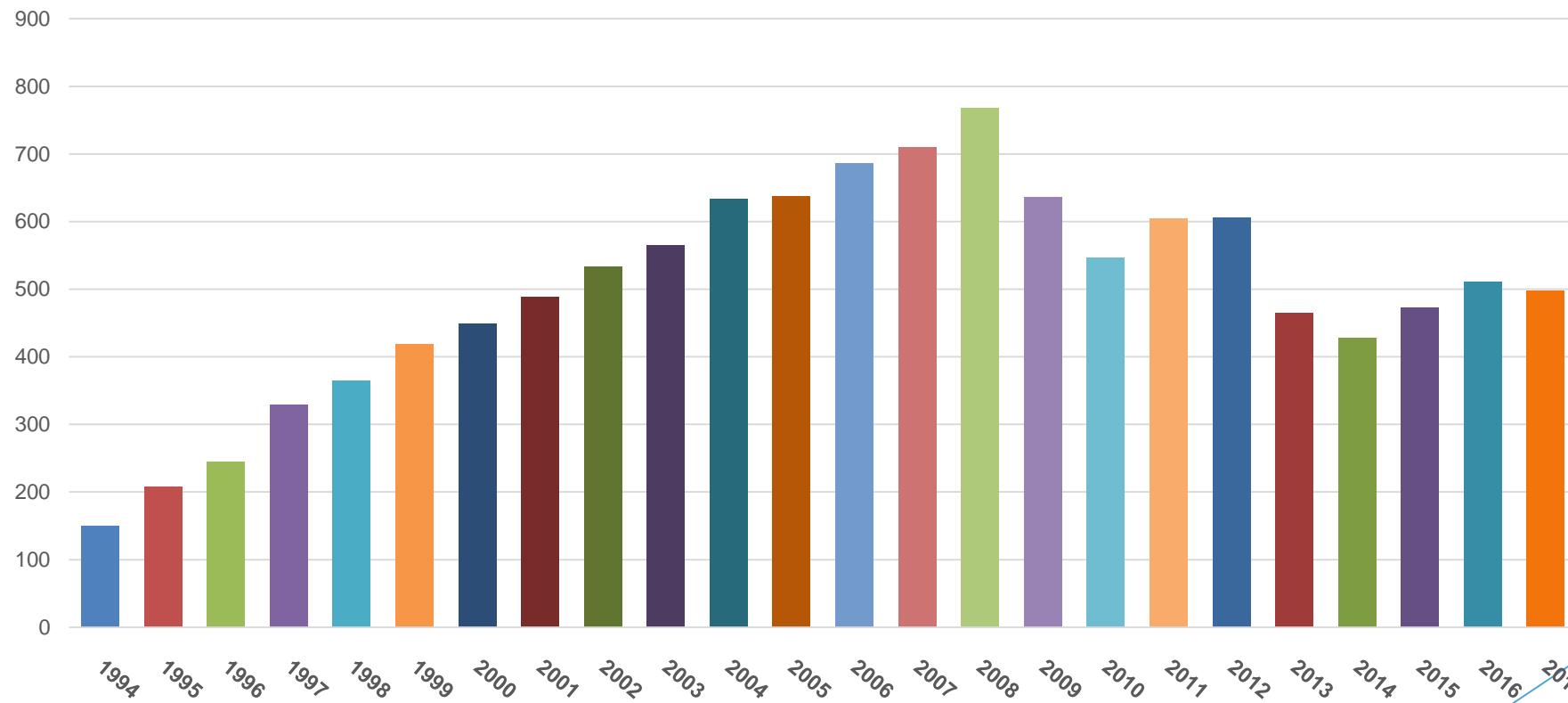


Bilateral scientific cooperation

- ▶ Intensive development in the field of research and development after Slovenian independence
- ▶ Priority countries: Neighboring countries, Western Balkan Countries, EU, BRIC countries, non-European S&T leading countries (Japan, USA), regionally important countries



Number of bilateral research projects 1994-2017



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Thank you for your attention!

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