



REPUBLIC OF SLOVENIA  
MINISTRY OF EDUCATION,  
SCIENCE AND SPORT

# ***1st Bavarian-Slovenian Scientific Forum***

## **SCIENCE AND RESEARCH IN SLOVENIA**

***mag. Peter Volasko***  
***Head, Science Division, MESS***

*Audio-Video Conference*

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# Institutional structure

**Ministry of Education, Science and Sport**

**Science  
Directorate**

**Science  
Division**

**Division for  
R&D structural  
funds**

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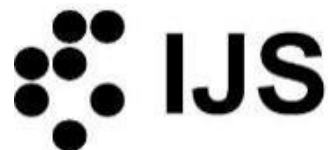
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# S&R Landscape

- ▶ 6 universities (3 public + 3 private)
- ▶ 16 public research institutes
- ▶ > 600 R&D units in business sector



NACIONALNI INŠTITUT ZA BIOLOGIJO

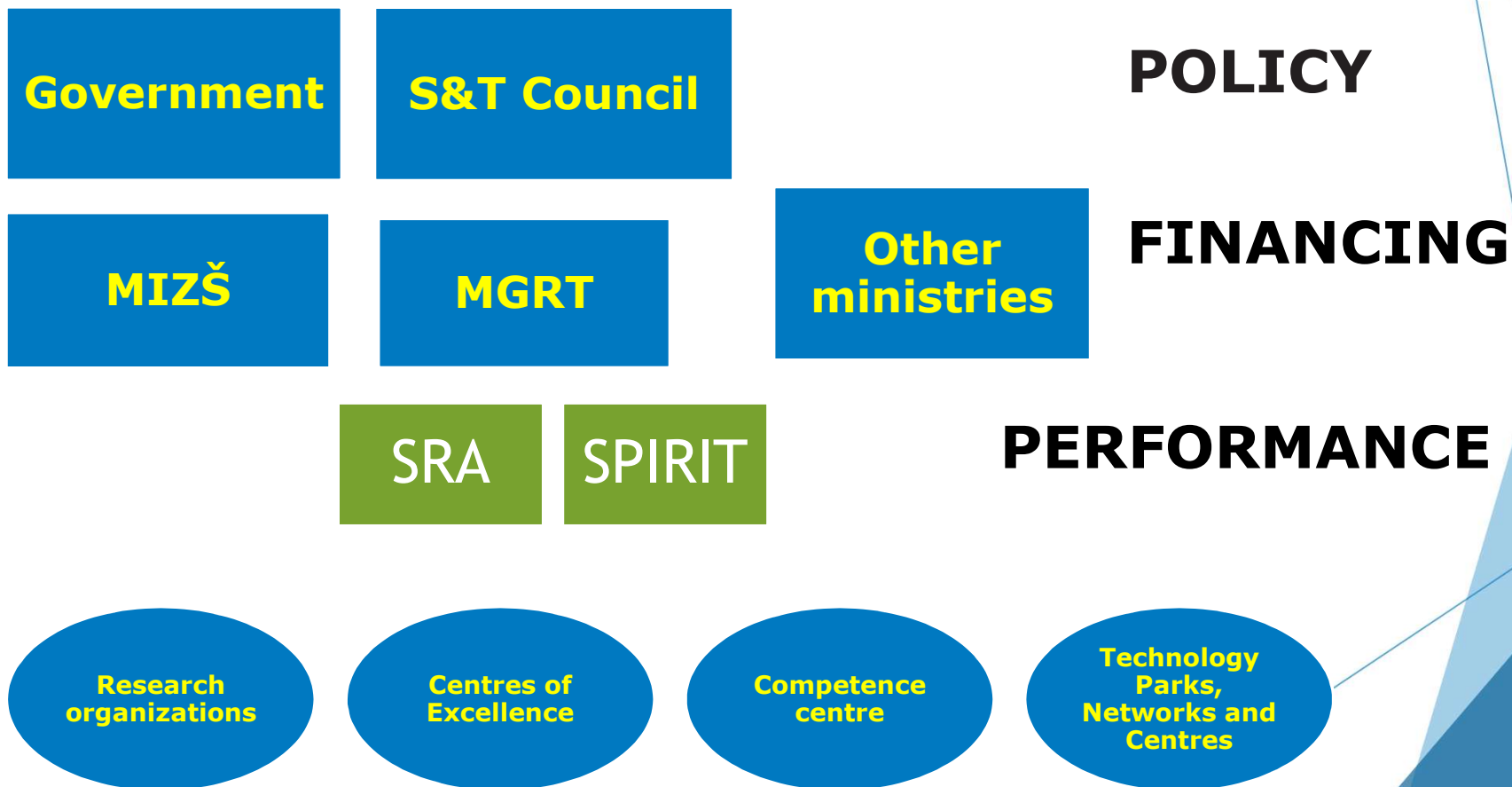


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# Governance of S&R system



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**SLOVENIAN RESEARCH AGENCY**  
(executive; independent 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

**RECEIPTS OF FUNDS**  
Research organisations (RO)

Public HEI

Public RI

Private RO

Enterprises

RO from abroad

**FTE**



## R&D personnel in Slovenia (2019)

Total R&D personnel<sup>1</sup> by sector of employment, Slovenia, 2019

Sector of employment	Total R&D personnel	Researchers	Total R&D personnel	Researchers
	Number		Full time equivalent	
<b>Total<sup>2</sup></b>	25.062	15.925	16.983	10.507
<b>Business enterprise sector</b>	15.783	8.778	11.326	6.383
<b>Government sector</b>	3.317	2.322	2.664	1.778
<b>Higher education sector</b>	5.729	4.658	2.888	2.277
<b>Private non-profit sector</b>	232	167	106	69

Source: Statistical Office of the Republic of Slovenia.

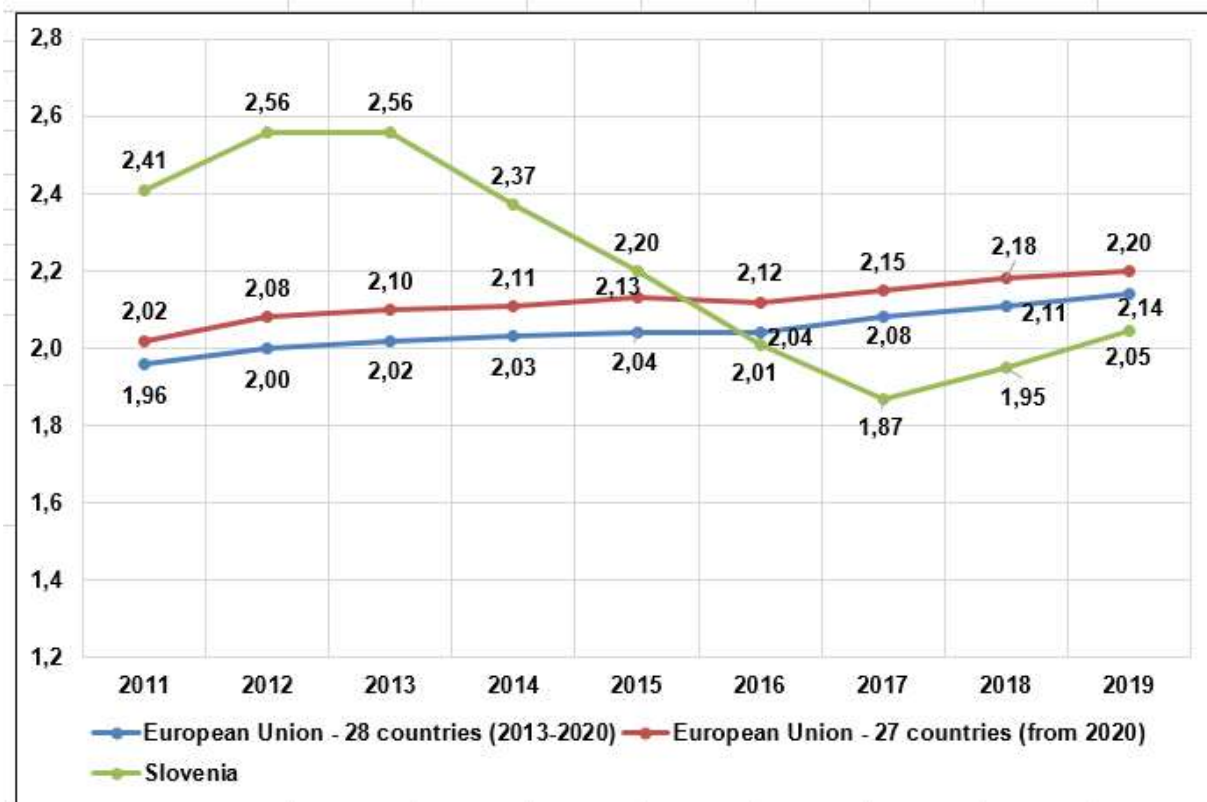
1) Data include both internal and external R&D personnel.

2) Some totals do not add up due to rounding.



# GERD as a % of GDP

(Source: EUROSTAT, SURS, 2021)

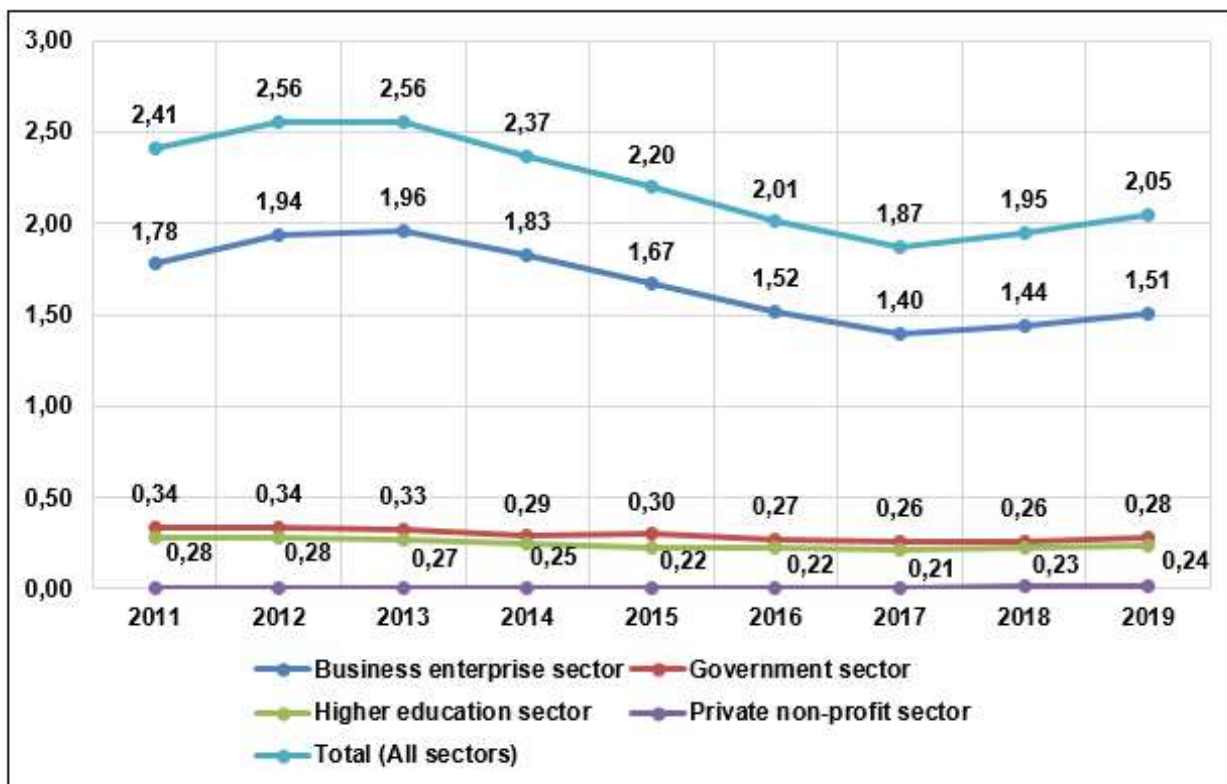




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# GERD as a % of GDP by sectors

(Source: EUROSTAT, SURS 2021)



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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“



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# 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



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# 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**

**Research programmes and research projects**

**Better use and development of research infrastructure**

**HPC, ESFRI**

**Efficient cooperation within international research programmes including  
H2020**

**TEAMING-InnoRenew**

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

**Researchers at the beginning of their career**

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# Slovenia in H2020

H2020 (till May 28, 2021)

- ▶ contracts: **968**
- ▶ participants: **1397**
- ▶ EC financing: **359 MEUR**
- ▶ Co-ordinators: **191**



Organisation	budget
INSTITUT JOZEF STEFAN	61,6 MEUR
UNIVERZA V LJUBLJANI	52,3 MEUR
KEMIJSKI INSTITUT	20,8 MEUR
INNORENEW COE	15,2 MEUR
XLAB	9 MEUR

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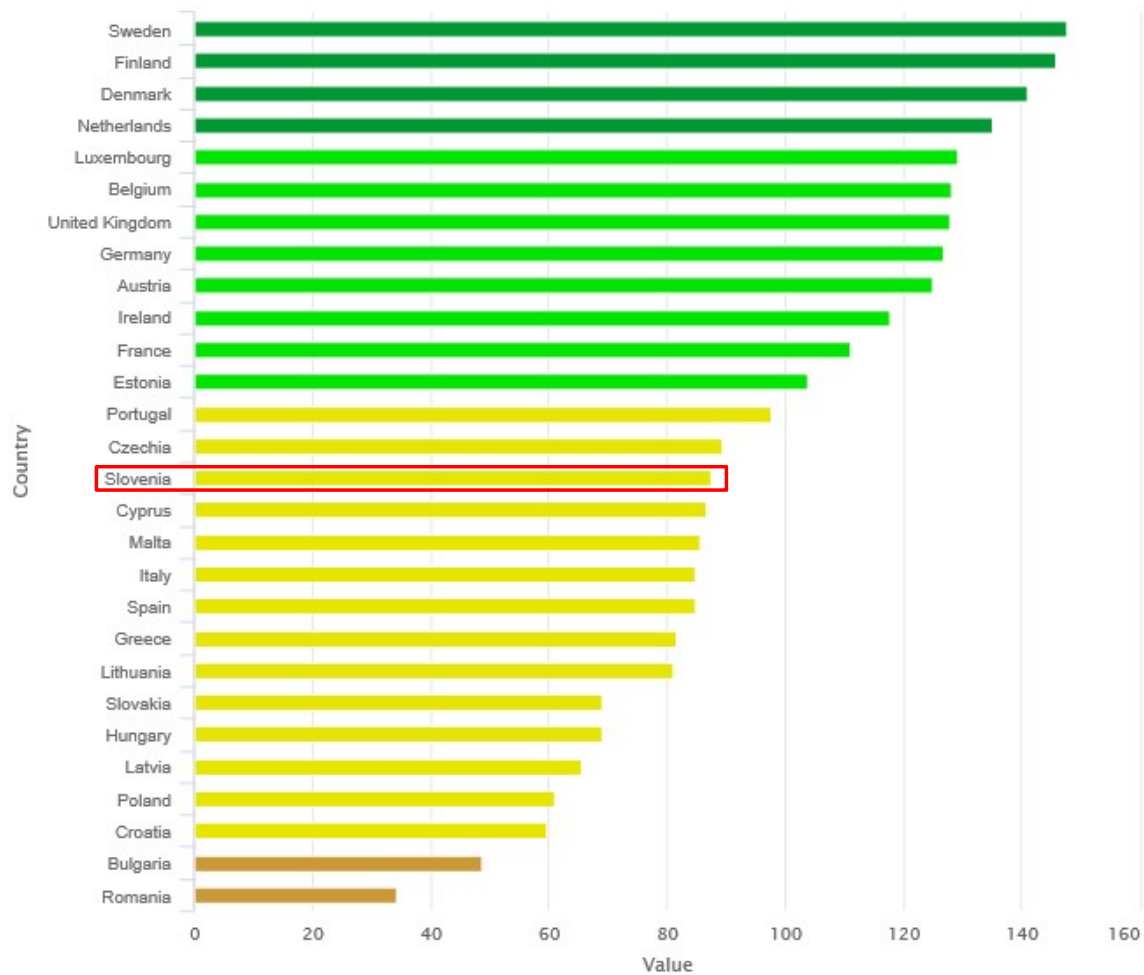
# Synergies between sources



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## 0. Summary Innovation Index

Source: European Innovation Scoreboard 2019



# Innovation index

European **Innovation** Scoreboard 2019

EU Member States' innovation performance



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# International cooperation

- ▶ EU (FPs, COST, EUREKA)
- ▶ OECD
- ▶ International organizations (e.g. CERN - associate members since 2016)
- ▶ Regional Cooperation (Danube Region, Alpine Region, Adriatic-Ionian Region, CEI etc...)
- ▶ Bilateral Cooperation

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*Thank you for your attention !*

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