WORKING PAPER

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WORKING DOCUMENT

From:	General Secretariat of the Council
To:	ERAC (European Research Area and Innovation Committee)
Subject:	ERAC videoconference on 3-4 June 2021 - PPT Presentations

Dear ERAC delegates,

Please find attached the following PPT presentations given during the ERAC videoconference on Thursday and Friday, 3-4 June 2021:

- Item 2 of the agenda: Slovenian Presidency of the Council of the EU,

- Item 2 of the agenda: The Portuguese National Research & Innovation System,

- Item 3.2 of the agenda: Update on the study 'Evaluation of the ERA policy framework',

- item 3.4 of the agenda: Horizon Policy Support Facility- Mutual Learning Exercise on Citizens' science,

- item 3.5 of the agenda: Strategic debate: 'ERA Action 7 - exchange of views on the update and development of guiding principles for knowledge valorisation and a code of practice for the smart use of intellectual property'

- item 4.1 of the agenda: Updates from the Commission Expert Group on the 'ERA Forum for Transition',

- item 4.2 of the agenda: Highlights from the ERA-related Groups: Gender equality plans as a catalyst for change

- item 4.2 of the agenda: Highlights from the ERA-related Groups: Triangle Taskforce : Goal -1 Guideline Report on Research Evaluation in a context of Open Science and gender equality

Best regards,

ERAC Secretariat

Slovensko predsedovanje Svetu Evropske unije

Slovenian Presidency of the Council of the European Union

Horizontal priorities

1. **Resilience, Recovery and Open Strategic Autonomy** of the EU

2. Conference of the **Future of Europe** (CoFE)

3. Union of the **European way of life**, rule of law and equal criteria for all

4. A **credible and secure European Union**, capable of ensuring security and stability in its neighbourhood

Key drivers in research

- Complete the **Trio** (DE-PT-SI) Roadmap for Research and Innovation

- The **European vision** of **knowledge**, **education** and **research** for a green and digital future
  - ➢Inclusive governance
  - ➢Relations

- **Ethical dimension** of the **European Research Area**

Thematic priorities in the field of research

Competitiveness Council (Research)

- Public-private and public-public **European Partnerships**

➡ *Adoption of partnerships legislative package*

- **European Research Area (ERA)**
  - ➤ Governance and directionality
  - ➤ HE-R&I synergies
  - ➤ Research infrastructures
  - ➤ Research careers and reintegration

➡ *Adoption of the Pact for Research and Innovation*

Council Conclusions on ERA Governance & ERA Policy Agenda

Thematic priorities in the field of research

Competitiveness Council (Research)

- **International cooperation**
  - ➤ Association of 3rd countries to Horizon Europe
  - ➤ Global Approach to Research & Innovation
  - ➤ Western Balkans

➡ *Council Conclusions on International Cooperation*

- **Gender equality**
  - ➤ First Presidency conference (GENDERACTION)
  - ➤ Part of Pact for R&I

➡ *Declaration will be presented to the ministers in the COMPET Council*

Meetings

- **"COMPET" Informal Meeting** //
  19th of July 2021 // Brdo/Ljubljana

- **COMPET meeting** (Research) //
  28th of September 2021 // Brussels

- **ERAC/RWP meeting** //
  30th of September – 1st of October 2021
  // Ljubljana

- **COMPET meeting** (Research) //
  26th of November 2021 // Brussels

- **ERAC meeting** //
  14th–15th of December 2021 // Brussels

Thematic Events

- **GENDERACTION Conference** //
  7th - 8th of July 2021 // Virtual

- **Future of ERA conference** //
  26th of October 2021 // Ljubljana

- **MSCA Presidency Conference** //
  15th - 16th of November 2021 // Virtual

- **ESFRI Days** //
  6th – 8th of December 2021 // Ljubljana
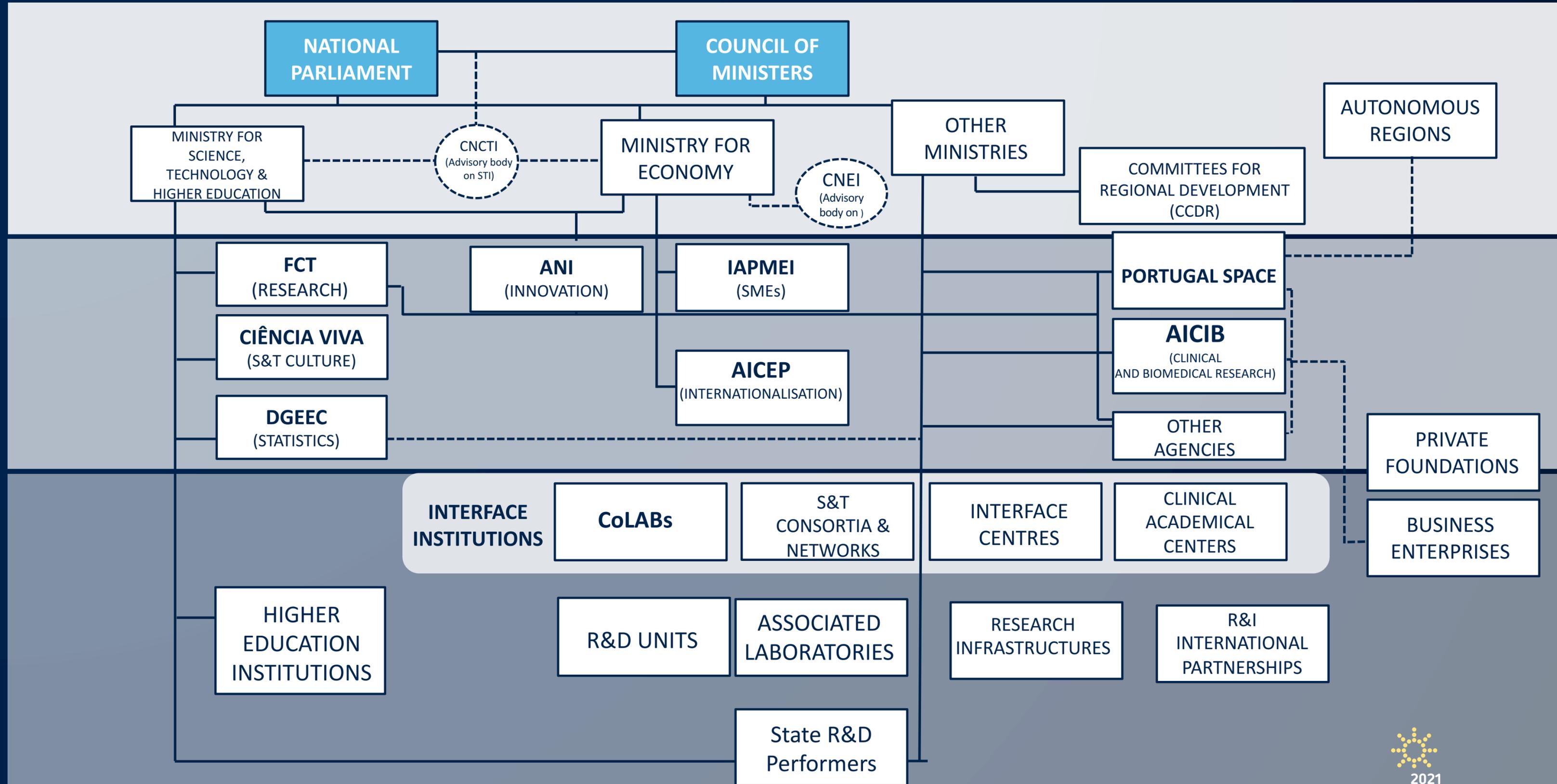
Thank you & welcome to Slovenia!

Portuguese Research & Innovation System

Portuguese Research & Innovation System
Key strategic Guidelines

Science Law

- Reinforcing **Research Institutions** (specialization and diversification)
- Boosting **Advanced Training**
- Stimulating **Critical Mass** namely scientifc employment

Innovation Strategy

- Increasing private expenditure in R&I
- Boosting the **networking** among companies namely SME, and scientific and technological infrastructures
- Further knowledge exploitation into new products, services and approaches
- Promoting **technological entrepreneurship**
- Rising the participation in international initiatives and networks

STI Ecosystem – HEIs, R&D Units and Associate Laboratories

R&D Units (%)

- Veterinary and Agrarian; 4,0
- Humanities and Arts; 20,7
- Engineering and Technology; 14,7
- Medical and Health Sciences; 12,7
- Social Sciences; 29,3
- Natural and Exact Sciences; 18,7
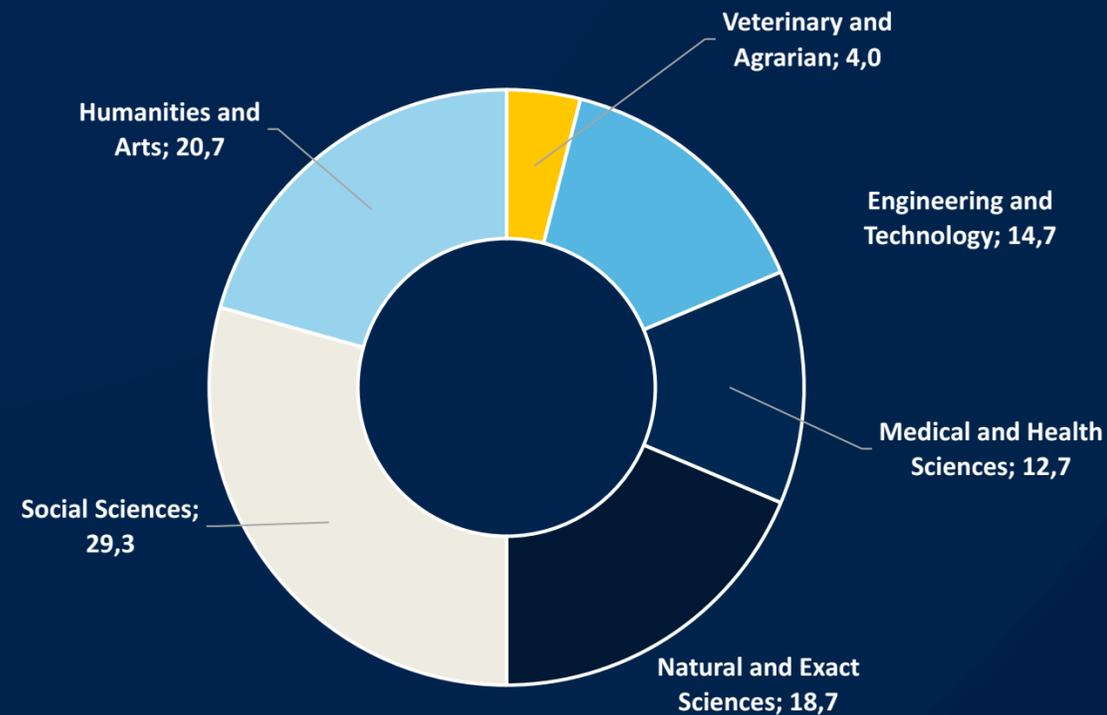
Total R&D Units

312

Associate Laboratories (%)

- Humanities and Arts; 2,5
- Social Sciences; 7,5
- Agricultural Sciences; 7,5
- Natural Sciences; 22,5
- Engineering and Technological; 40
- Medical and Health Sciences; 20
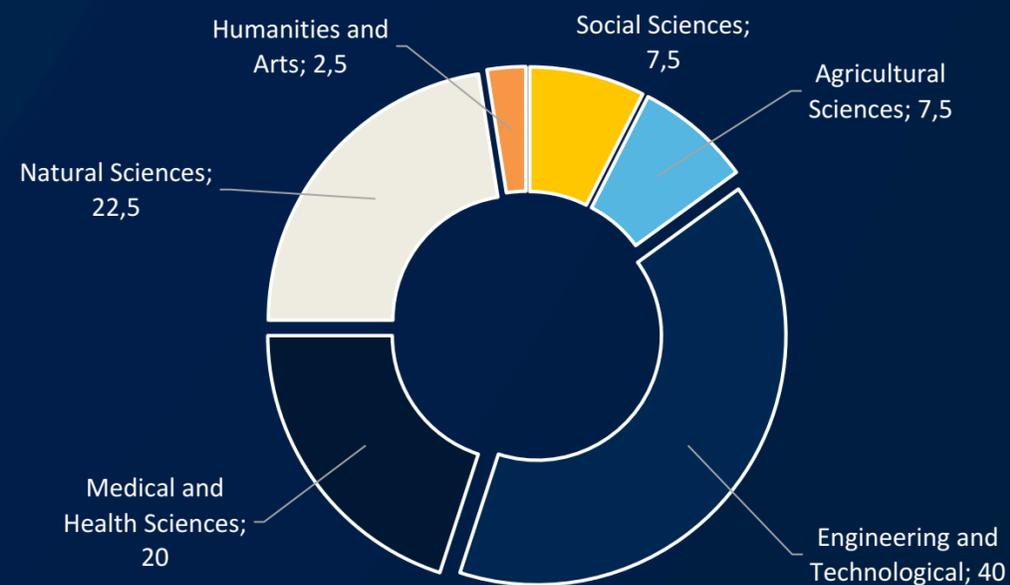
Total Associate Laboratories

40

HEIs

Universities	39
Public	**16**
Private	23
Polytechnic	**77**
Public	**27**
Private	50
Total	116
Public	**43**
Private	73

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Technological Infrastructures

Category		Value
Technological Centres		7
Technology Transfer and Valorization Centers		48
Integrated infrastructures in higher education institutions		50
Technology and Knowledge Transfer Units		8
R&D and Education Infrastructures		1
Science and Technology Parks		17
Technology Based Incubators		30

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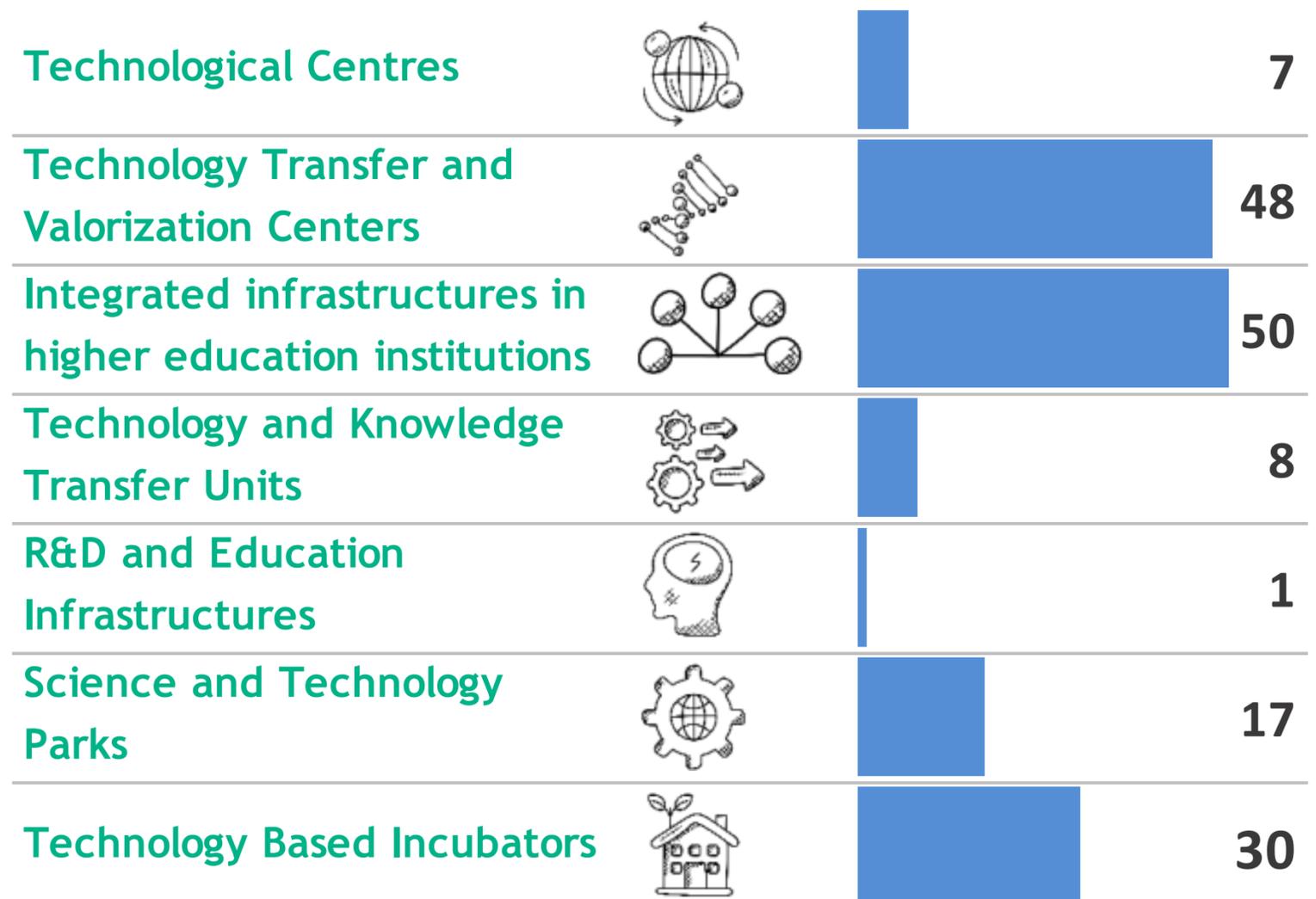
Network of Interface Centers

32 M€
Core Funding

4.483
Job Creation

3.421
Associates
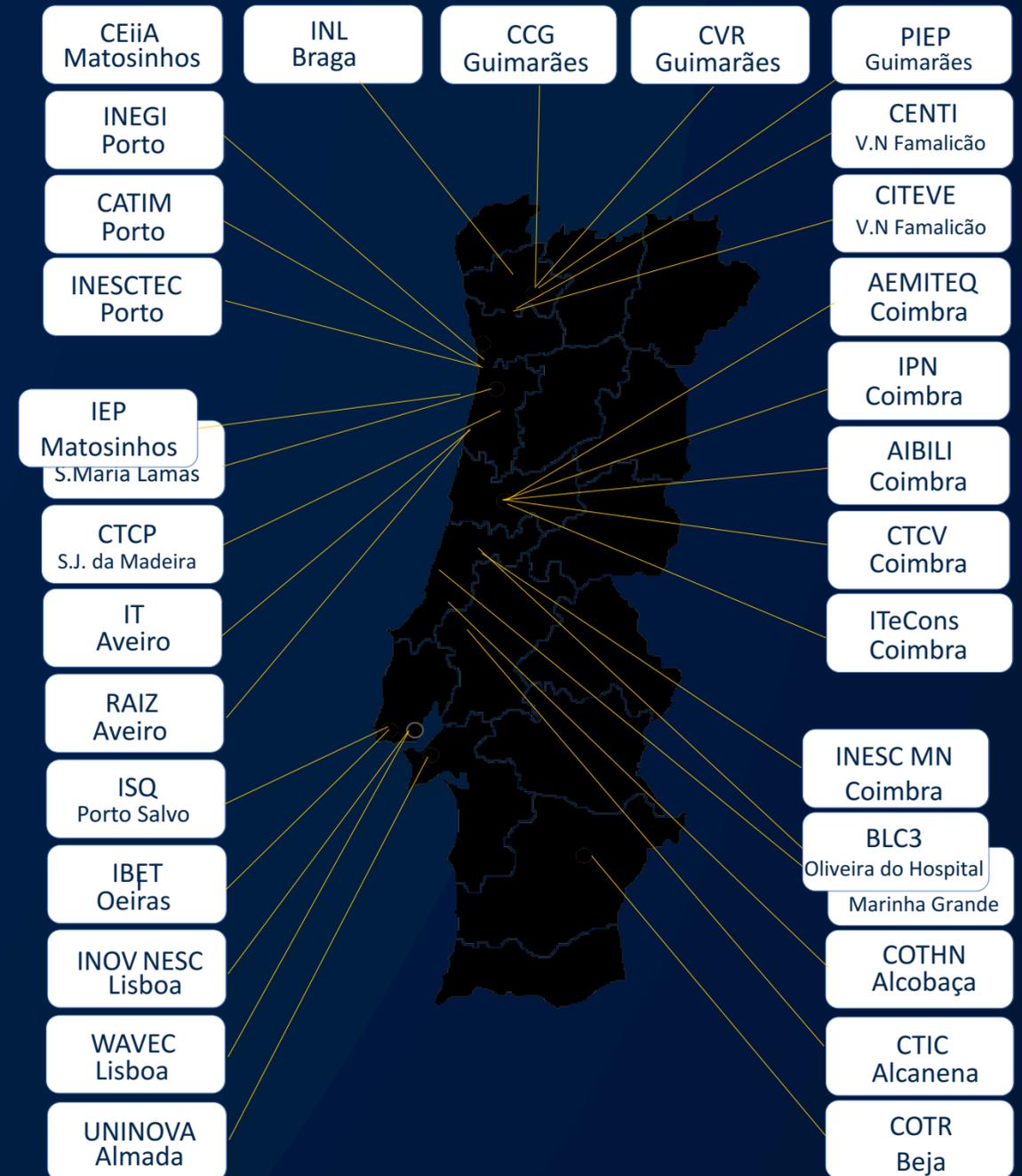
31 CIT

8
Thematic Areas

Services in S&T and innovation

Increase knowledge dissemination and assimilation of new products

CEiiA
Matosinhos

INL
Braga

CCG
Guimarães

CVR
Guimarães

PIEP
Guimarães

INEGI
Porto

CENTI
V.N Famalicão

CATIM
Porto

CITEVE
V.N Famalicão

INESCTEC
Porto

AEMITEQ
Coimbra

IEP
Matosinhos
S.Maria Lamas

IPN
Coimbra

AIBILI
Coimbra

CTCP
S.J. da Madeira

CTCV
Coimbra

IT
Aveiro

ITeCons
Coimbra

RAIZ
Aveiro

ISQ
Porto Salvo

INESC MN
Coimbra

IBET
Oeiras

BLC3
Oliveira do Hospital

INOV NESC
Lisboa

Marinha Grande

WAVEC
Lisboa

COTHN
Alcobaça

CTIC
Alcanena

UNINOVA
Almada

COTR
Beja

Source: ANI

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Collaborative Laboratories (CoLABs)

+ 200
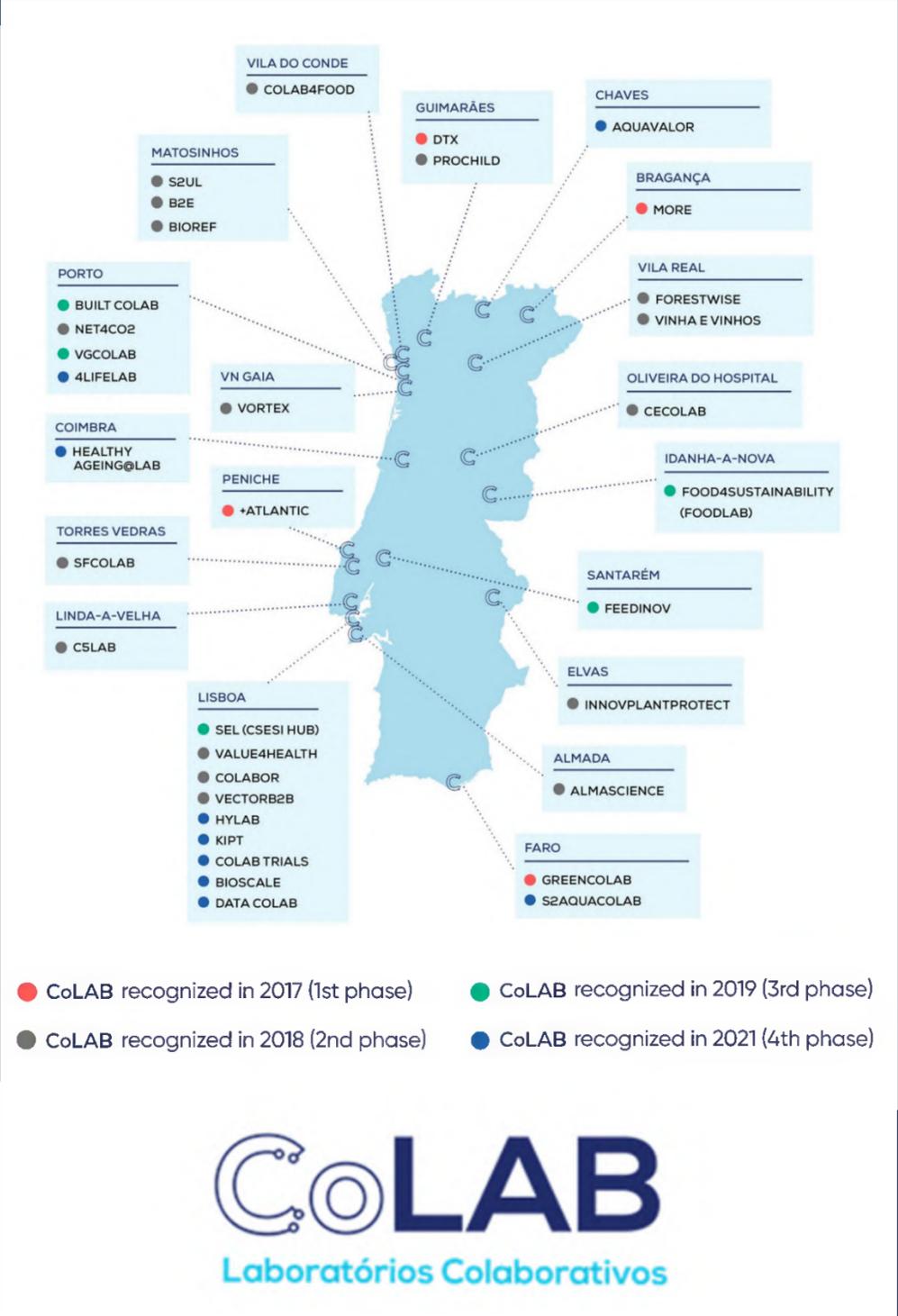participating entities

69,01 M€
Public Funding

57,50 M€
Funding to Human Resources

Qualified and scientific employment
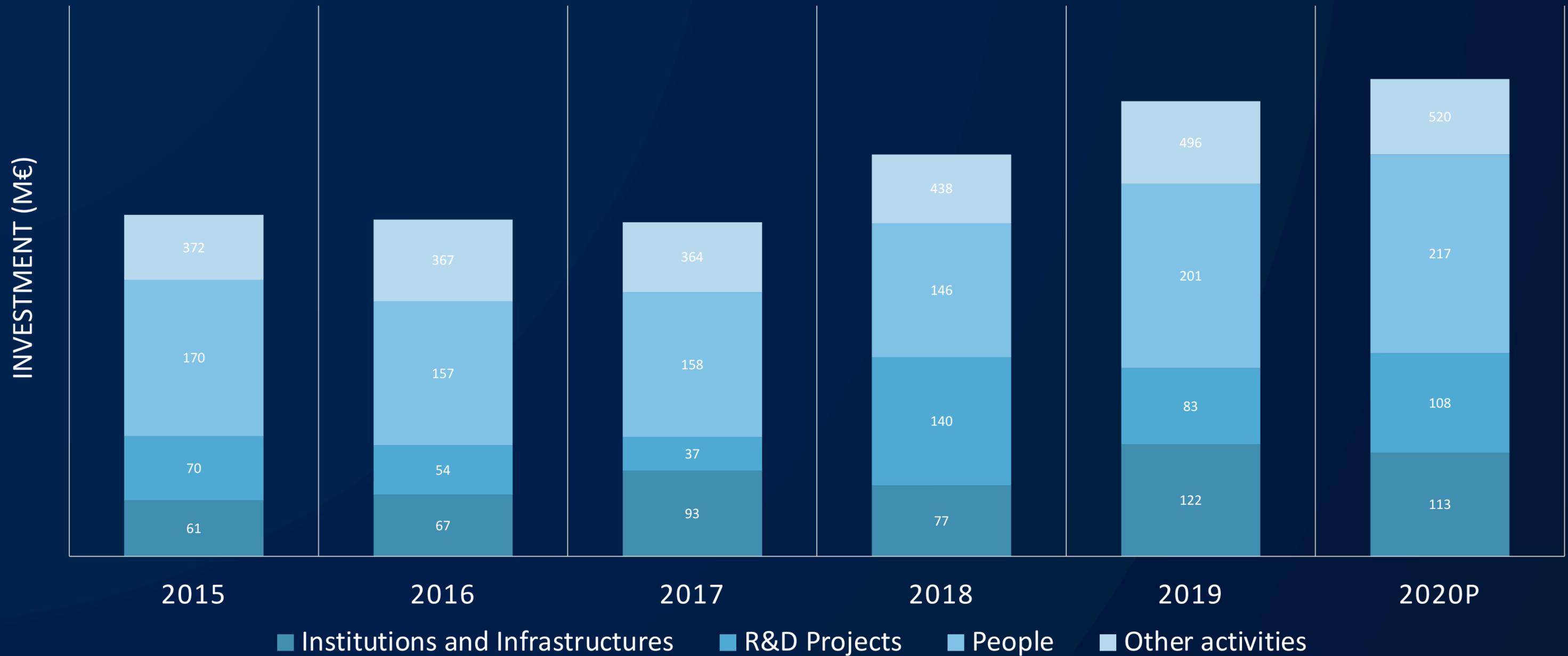
Innovative thematic research agendas

35 CoLABs

+500
new qualified jobs

VILA DO CONDE
● COLAB4FOOD

GUIMARÃES
● DTX
● PROCHILD

CHAVES
● AQUAVALOR

MATOSINHOS
● S2UL
● B2E
● BIOREF

BRAGANÇA
● MORE

PORTO
● BUILT COLAB
● NET4CO2
● VGCOLAB
● 4LIFELAB

VILA REAL
● FORESTWISE
● VINHA E VINHOS

VN GAIA
● VORTEX

OLIVEIRA DO HOSPITAL
● CECOLAB

COIMBRA
● HEALTHY AGEING@LAB

IDANHA-A-NOVA
● FOOD4SUSTAINABILITY (FOODLAB)

PENICHE
● +ATLANTIC

TORRES VEDRAS
● SFCOLAB

SANTARÉM
● FEEDINOV

LINDA-A-VELHA
● C5LAB

ELVAS
● INNOVPLANTPROTECT

LISBOA
● SEL (CSESI HUB)
● VALUE4HEALTH
● COLABOR
● VECTORB2B
● HYLAB
● KIPT
● COLAB TRIALS
● BIOSCALE
● DATA COLAB

ALMADA
● ALMASCIENCE

FARO
● GREENCOLAB
● S2AQUACOLAB

● CoLAB recognized in 2017 (1st phase)
● CoLAB recognized in 2018 (2nd phase)
● CoLAB recognized in 2019 (3rd phase)
● CoLAB recognized in 2021 (4th phase)

CoLAB
Laboratórios Colaborativos

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FCT investment 2015-2020 (M€)

INVESTMENT (M€)

	2015	2016	2017	2018	2019	2020P
Other activities	372	367	364	438	496	520
People	170	157	158	146	201	217
R&D Projects	70	54	37	140	83	108
Institutions and Infrastructures	61	67	93	77	122	113

■ Institutions and Infrastructures ■ R&D Projects ■ People ■ Other activities

Source: FCT

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Structural Funds for R&D and Innovation (2014 – 2020)

Financial instruments

| R&D Projects | Mobilizing Programs | Demonstration Projects | R&D Centres | IP Protection | R&D Internacionalization |

Applications	Approved Applications	Approved Investment	Enterprises Involved	Research institutions	Collaborative Projects
4.097	1.850	2.190 M€	1.479	169	73%

Source: ANI

Note: data includes all applications submitted to the PT2020 R&D incentive scheme

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SIFIDE - tax incentives for R&D

668 M€

650 M€

Eligible R&D investment

389 M€

348 M€

Granted Tax Credit

700 M€
600 M€
500 M€
400 M€
300 M€
200 M€
100 M€
0 M€

2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019
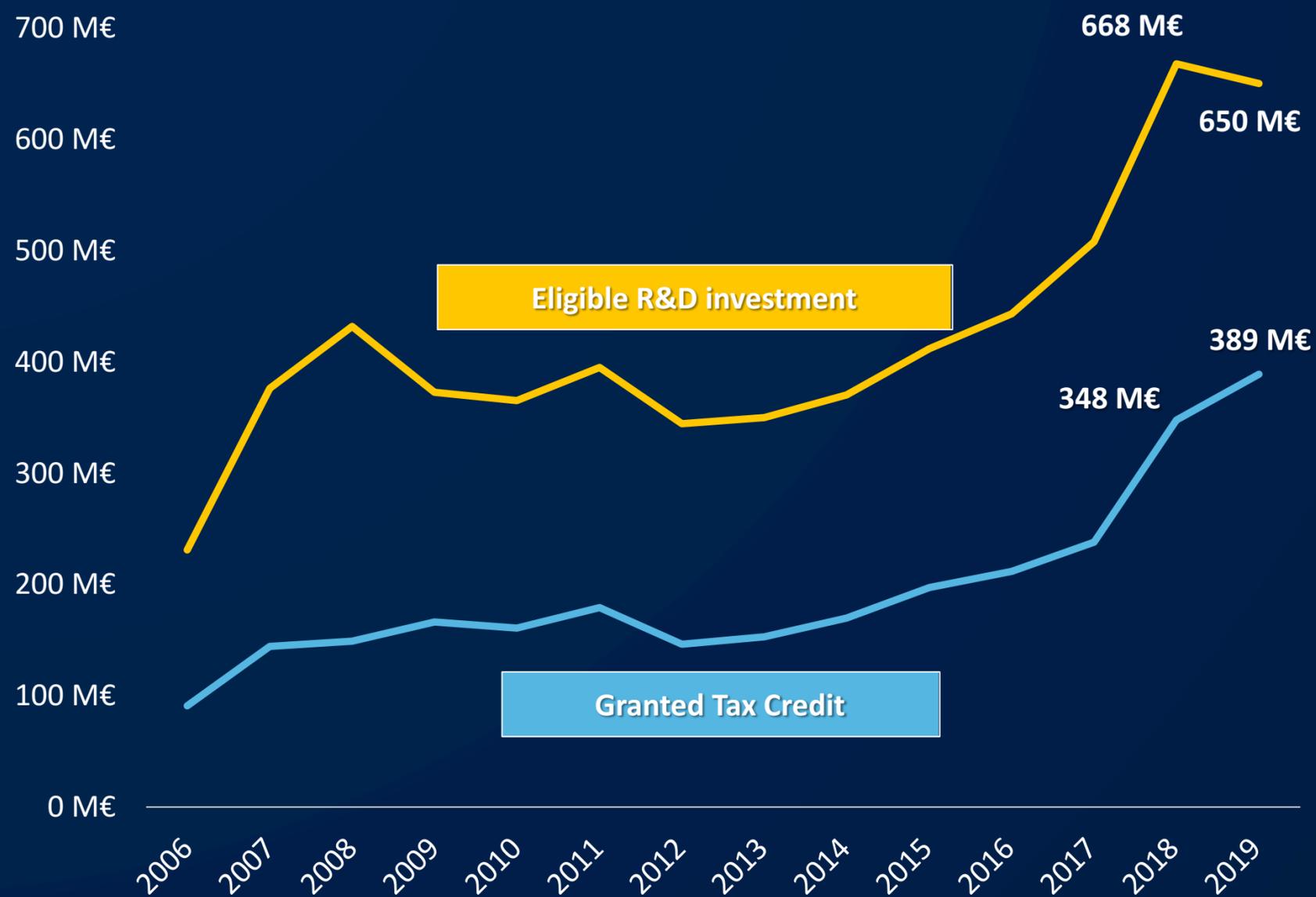
Between 2006-2019
16.251 applications by **4.430** companies
1942 approved applications in 2019

189 k€
average of tax credit per
company/year between 2006-2019

Source: ANI (2019 is still under evaluation)

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Portuguese Participation in Framework Programmes

Source: ANI

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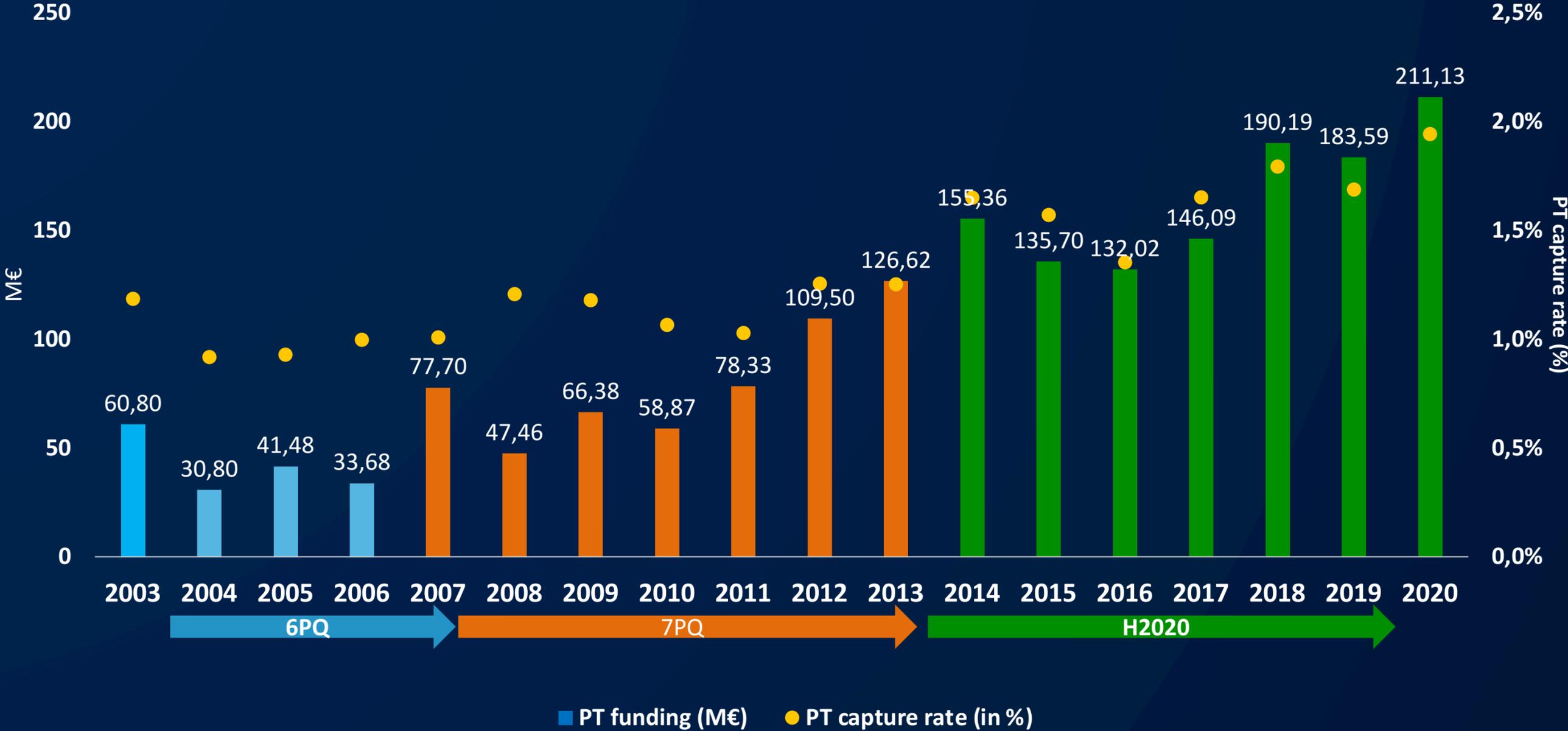
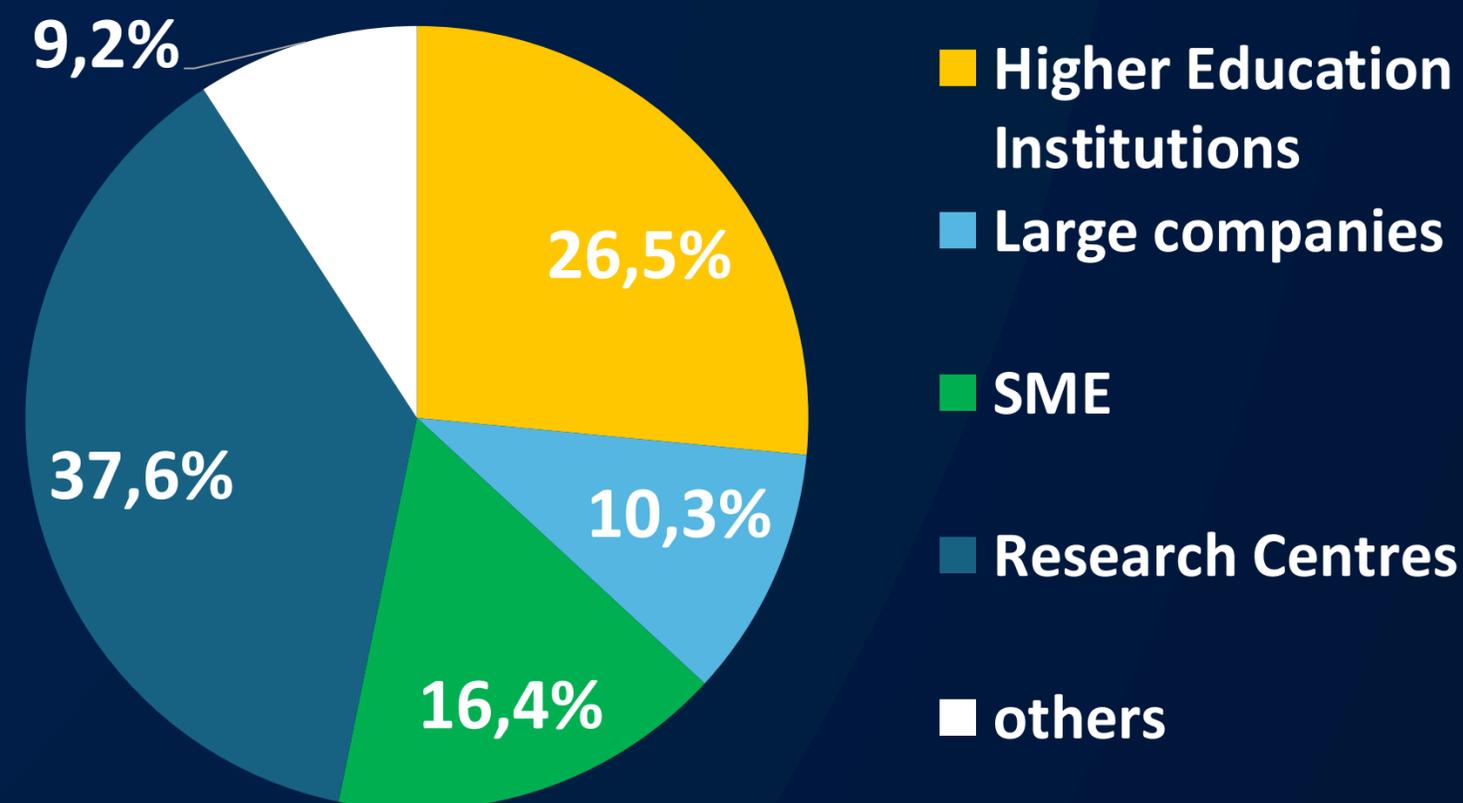# Portuguese Participation in Horizon 2020 (2014-2020)

17434 **Proposals**

2428 **Projects**

679 **Coordinations**

3511 **Participations**

1154,1 M€

Distribution of funding per type of entity

9,2%

26,5%

10,3%

16,4%

37,6%

- Higher Education Institutions
- Large companies
- SME
- Research Centres
- others

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Flagship Initiatives

International collaborative organization that promotes an integrative approach to space, climate, ocean and energy in the Atlantic. Driven by and supporting emerging technological innovations and advances in data science
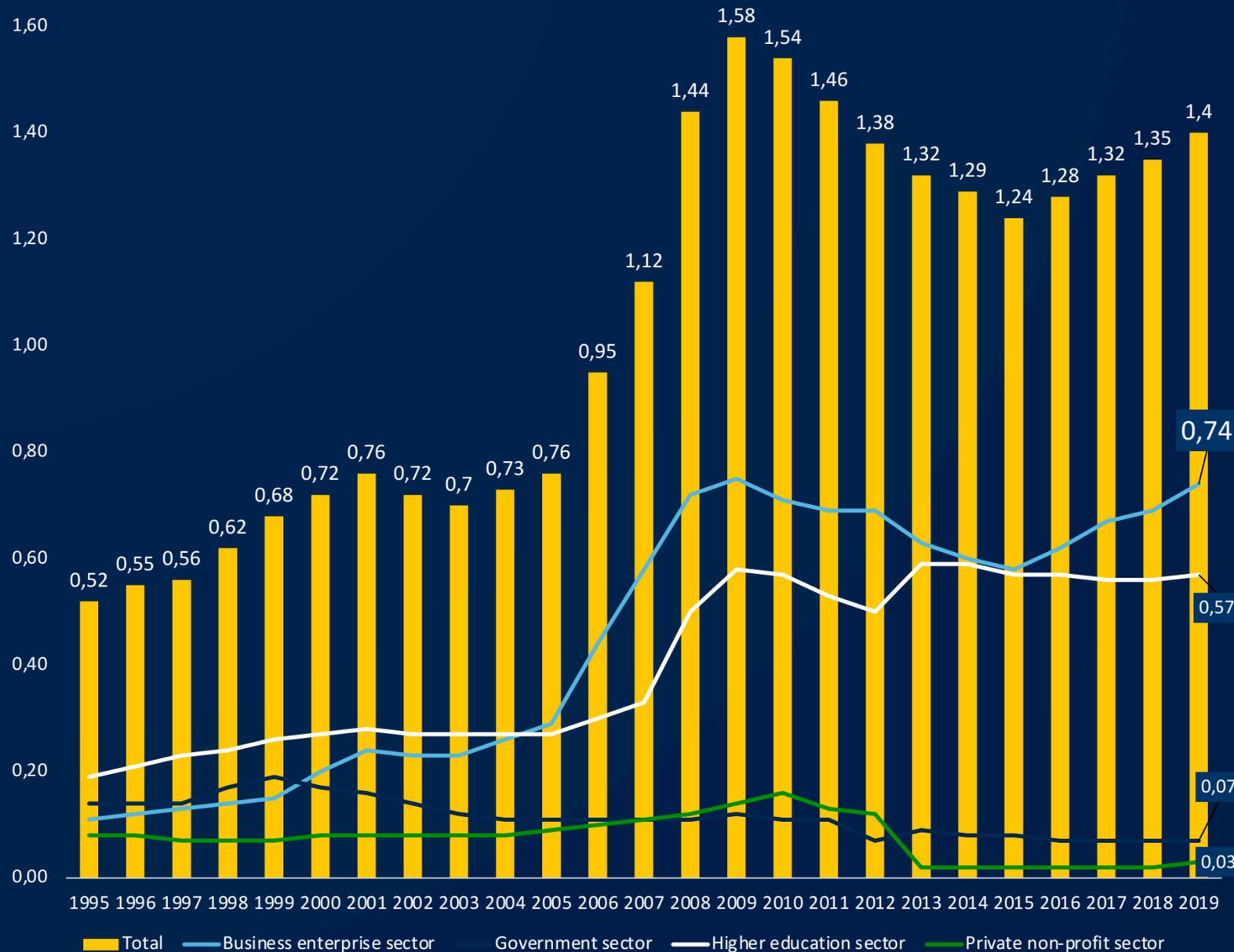
Portugal Space is a private, non-profit organisation, to promote and strengthen Space in Portugal, its ecosystem and value chain, for the benefit of society and economy in the country and worldwide

Promotion, coordination and support to activities in the areas of clinical and translational research (IC&T) and biomedical innovation, contributing to the optimization of Portugal's clinical, scientific and technological potential.
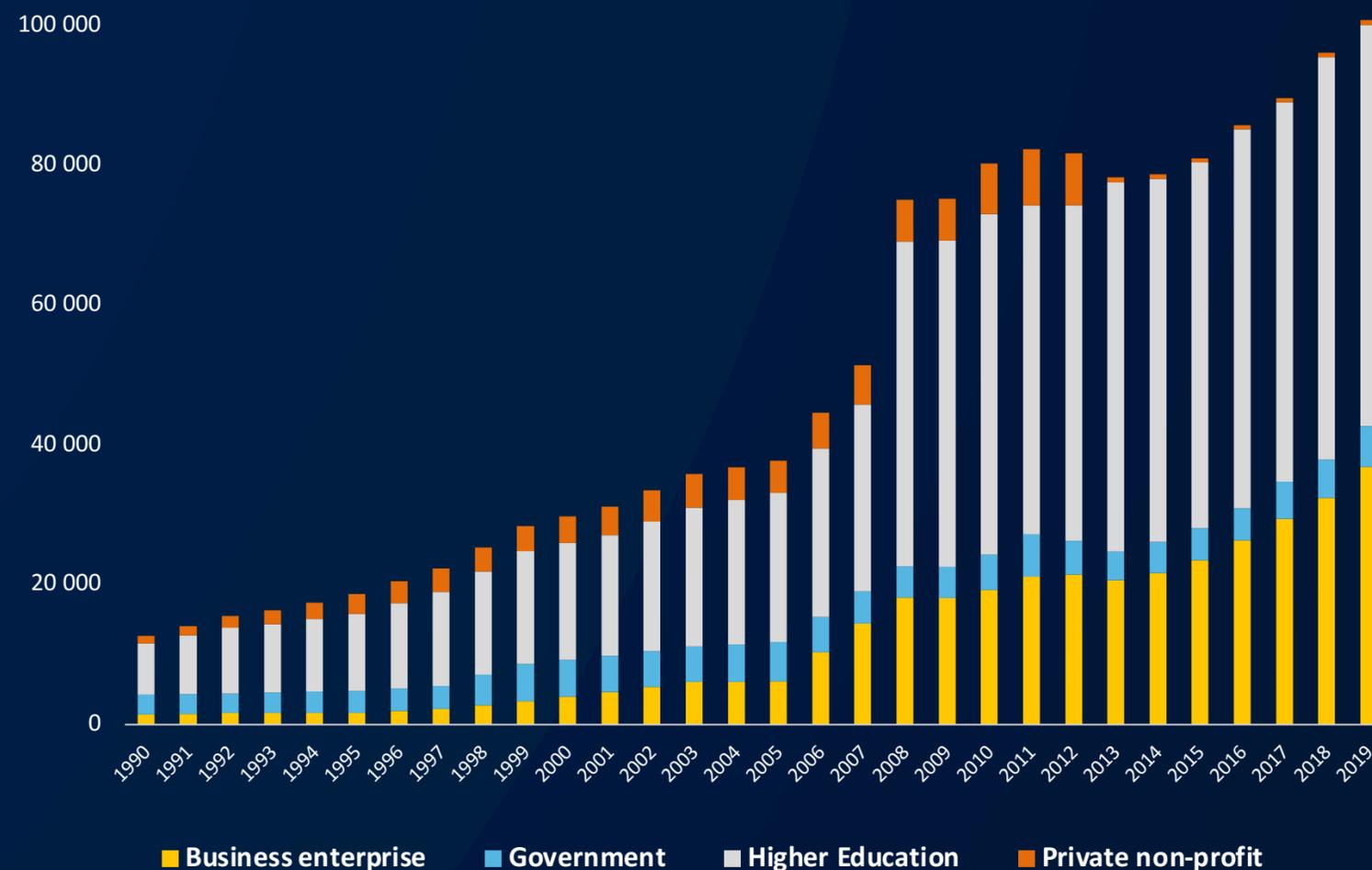
Joint initiative of several governmental areas that aims to stimulate and ensure the development of digital skills as a tool for paving the way for a future-oriented society, focused on the new opportunities arising from the fast-paced adoption of Information and Communication Technologies
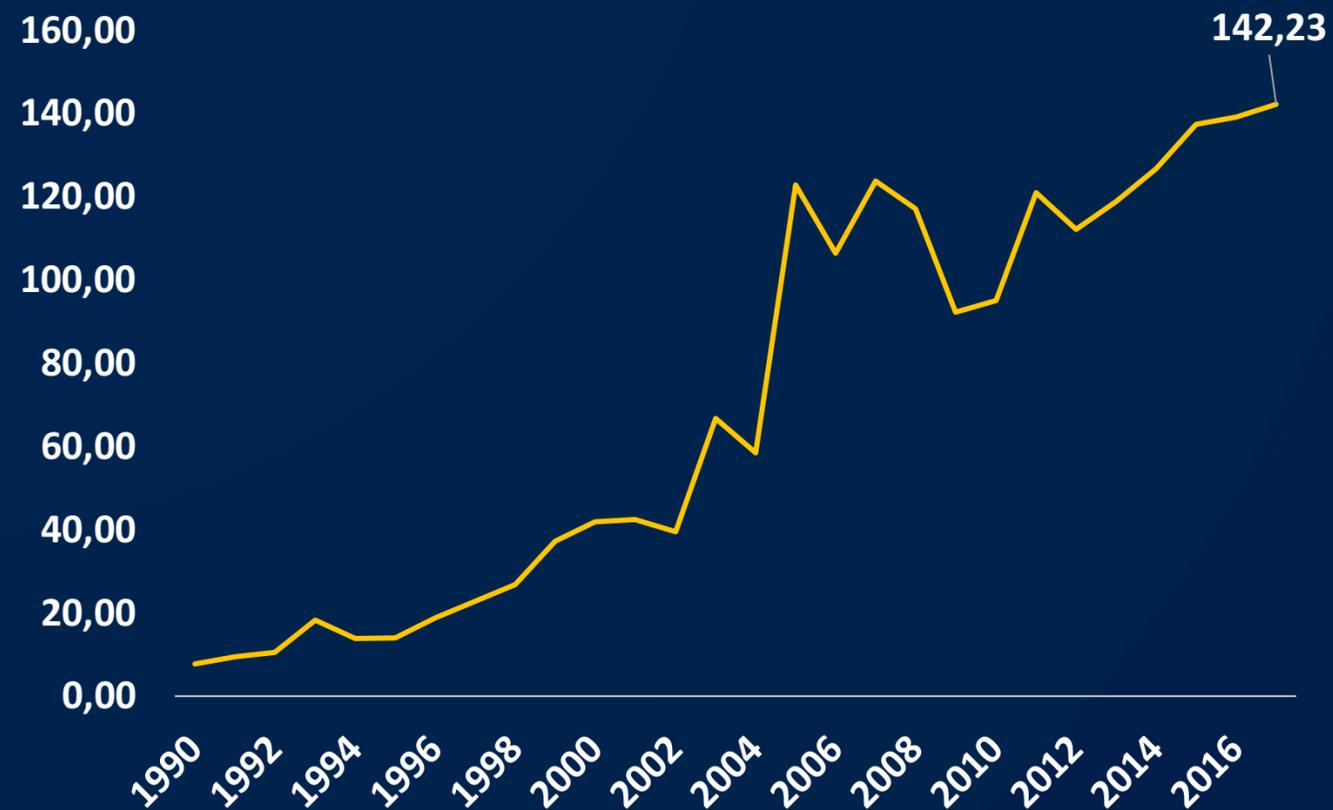
R&D intensity (GERD/GDP in %)

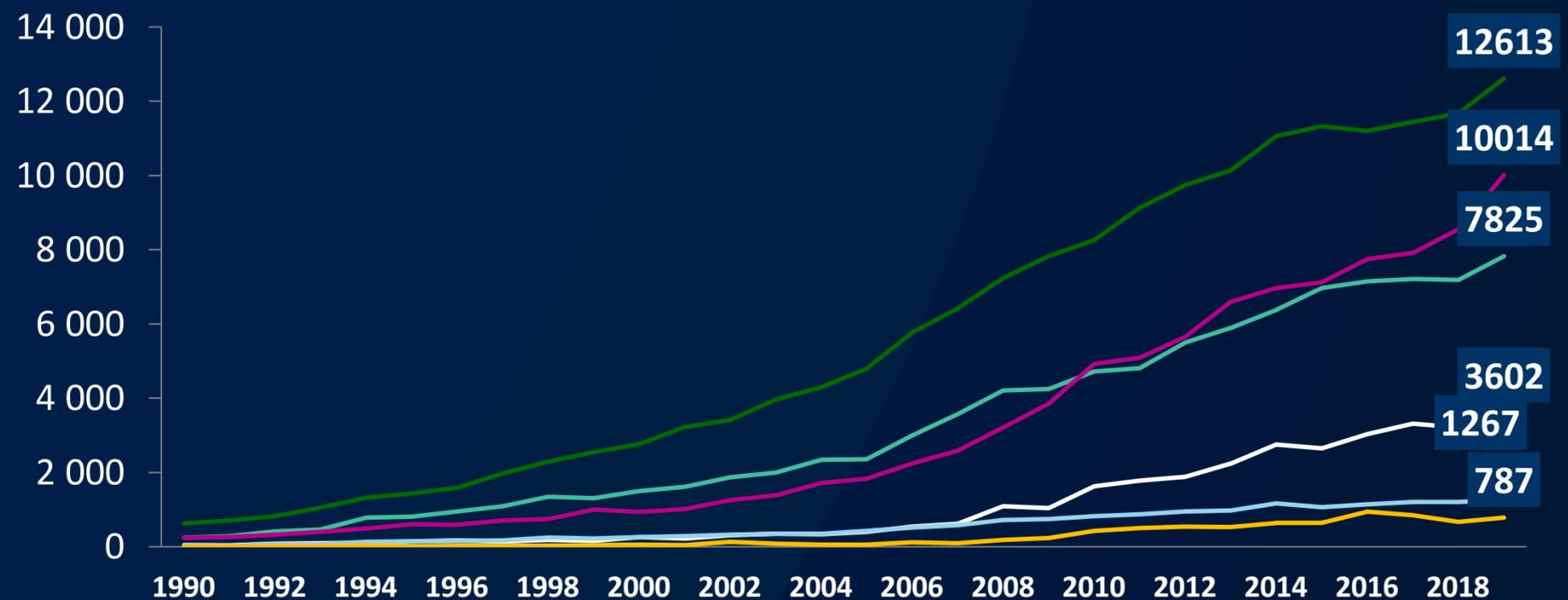## Researchers by sector of perfomance - Number
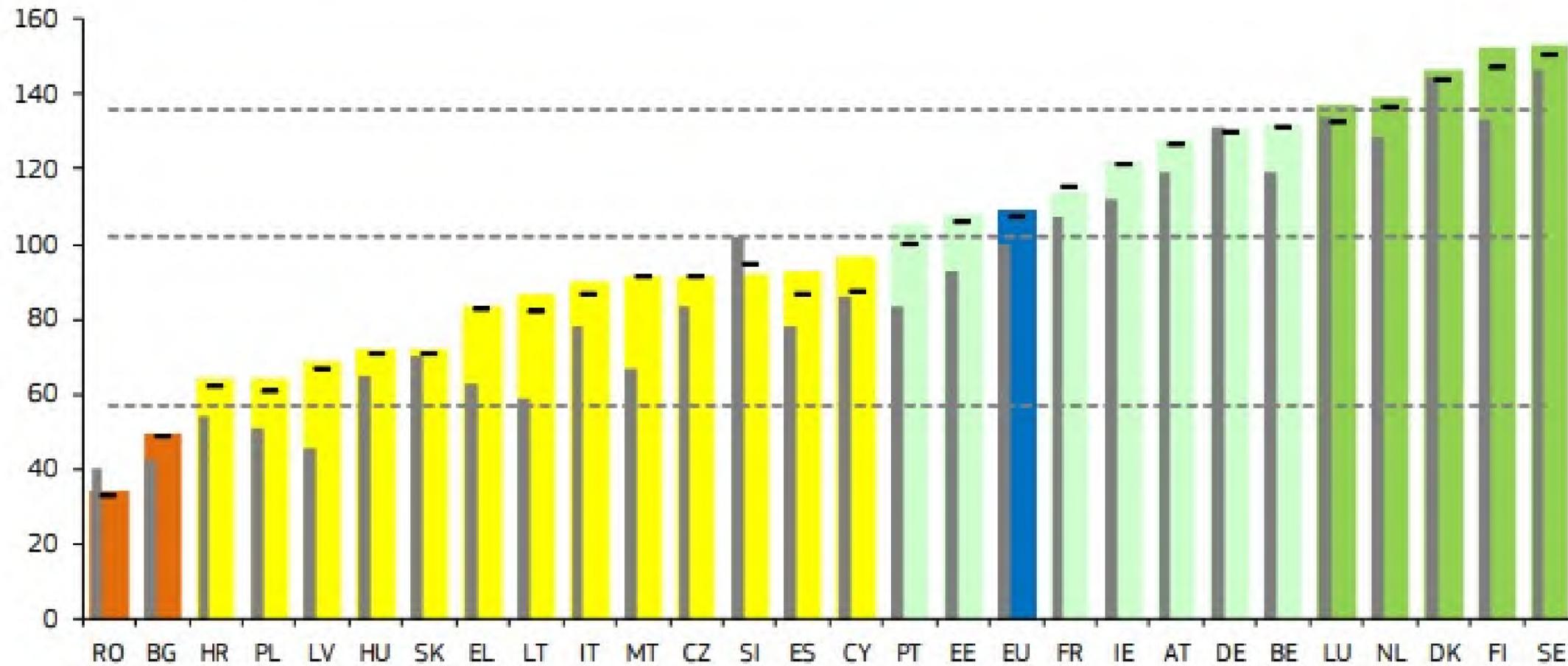
Source:DGEEC

S&T outputs

EPO Patent applications

160,00
140,00
120,00
100,00
80,00
60,00
40,00
20,00
0,00

142,23

1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016

Indexed pubblications per FOS

14 000
12 000
10 000
8 000
6 000
4 000
2 000
0

1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018

12613
10014
7825
3602
1267
787

─── Ciências Exatas e Naturais   ─── Ciências da Engenharia e Tecnologias

─── Ciências Médicas e da Saúde   ─── Ciências Sociais

─── Ciências Agrárias e Veterinárias   ─── Humanidades e Artes

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Portugal joins the group of Strong Innovators

European innovation scoreboard 2020

Source: European Innovation Scoreboard 2020

THANK YOU

Joana Mendonca

Joana.mendonca@ani.pt

PORTUGUESE PRESIDENCY OF THE COUNCIL OF THE EUROPEAN UNION

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Update on the study
'Evaluation of the ERA policy framework'

ERAC Meeting 3 and 4 June 2021

Manuel Aleixo, DG R&I, ERA governance and implementation

Background for the study

- Specific objectives

- Evaluate the effectiveness of existing ERA policy framework.

- Evaluate how ERA Roadmap and NAPs have stimulated/ incentivised national policy reforms.

- Assess why policy reforms were undertaken, whether these went ahead or not, and why.

- Evaluate the EMM's role, including role of ERA Progress Reports / national country reports) in fostering policy changes.

- Contribute to political process - design future ERA policy framework/ERA monitoring system/Scoreboard

- Make recommendations to monitor progress towards new ERA objectives and priorities.

- Input for the planned ERA scoreboard as mentioned in the ERA communication

European Commission

Latest update and next steps

- A large number of interviews with Member States and stakeholders were carried out. The analysis and their outcome was presented to the steering group, in which three ERAC delegates take part. A short overview will follow this introduction.

- The contractor will prepare two policy briefs which will be discussed in workshops that are taking place 10th and 18th June in time for the next discussions in the ERA Forum Expert Group

- Due to some logistical issues these workshops will take place later than expected which causes a slight delay in the work. We therefore expect the final report during August/early September which is 2 months later than initially foreseen

European Commission

Workshops

- 10th June

  - Workshop1 to discuss key issues relating to monitoring and indicators to support the implementation of the new ERA Communication

    - Focus will be an analysis of the current EMM and a discussion on the future possibilities

- 18th June

  - Workshop 2 – The future ERA policy framework and good governance

    - Focus will be on Key findings and lessons learned from the ERA policy framework and ERA Roadmap process in 2015-2020 and Key issues for the design and implementation of a future ERA policy framework

European Commission

A few points about the methodology

- Both desk analysis and interviews are used to assess the qualitative part of the policy mix

- The Innovation scoreboard is used as an indicator of the state of play in the country and to assess the relevance of the policy mix in the country

- The report consists of an analysis at EU level and country reports

European Commission

A few interesting findings

- It has been helpful to have an ERA roadmap for the R&I policies agreed at EU level

- National plans have followed the same structure when we look at the priorities

- But there are big differences in the national plans, which is due to the flexibility for the countries to choose their political focus and processes

- Different options are made, both in terms of level (general/detailed), the number of actions (few/many), the choice and sometimes absence of indicators and timelines

- The weight of the different priorities cannot be clearly assessed

- One finding is that the focus on the international cooperation depends on how advanced the country is on other priorities

European Commission

Impact of the ERA Roadmap in general

- Examples of priorities from the ERA Roadmap that have shown impact

    - The development and implementation of the ESFRI Roadmap

    - The focus on gender

    - The focus on open access and the impact of the European Open Science Cloud

European Commission

Impact of the ERA national action plans

- Difficult to give a clear answer to the question "Has the ERA national action plans given impact?" for several reasons

    - In some countries the national plans reflect the already established R&I strategy and did not as such add new actions or policy directions

    - Other countries implemented the ERA Roadmap in their R&U strategy and did not prepare individual ERA plans

- This question will always be the type "chicken and egg"-dilemma

Discussion about the indicators

- It seems to be the general view that the indicator in the EMM is difficult to use for analysis

- The report analyses the indicators using two definitions on criteria for indicators:

    - RACER: Relevant, Acceptable, Credible, Easy, Robust

    - SMART: Specific, Measurable, Achievable/Attributable, Relevant, Timely/Trackable/Targetted

Thank you

Plastic Pirates – ERA pilot– preliminary lessons

Development of the ERA Pilot "Plastic Pirates" 1/2

- In early 2020, Trio-Presidency agrees on making citizen science a priority and selects successful national project "Plastic Pirates".

- Throughout 2020, Germany sponsors the secretariat and the Trio develops a European version of "Plastic Pirates".

- In July 2020, the Trio presents the initiative to MS during the informal meeting of research ministers and invites them to join the ERA pilot. More than half of the MS signal interest to join the initiative and a clear majority supports the idea of regular citizen science campaigns.

- In the Council Conclusion on the New European Research Area from 1 December 2020, Member States commit themselves to further develop "Plastic Pirates" as an ERA pilot and to seek cooperation with the Oceans mission under Horizon Europe.

  ➔ „federated bottum-up approach"

Development of the ERA Pilot "Plastic Pirates" 2/2

2020

2021

Kick-off and preparation   Launch of www.plastic-pirates.eu   Samplings in DEU, PRT, SVN   Upscaling & lessons learned

Scope

1. Mutually learn about the similarities and differences in approaches to citizen science in Member States and Associated countries, as important elements to consider for developing transnational projects.

2. Exchange information, experiences and lessons learned on existing transnational citizen science projects.

3. Identify other national citizen science projects suitable for upscaling to a European level with "Plastic Pirates - Go Europe!" as a good practice example.

Preliminary priority topics

1. Differences and similarities in national citizen science projects, strategies, programmes, instruments, and implementation plans.

2. Identifying good practices and obstacles for upscaling citizen science projects across multiple countries (using Plastic Pirates as example).

3. Laying the foundations, incl. taking first concrete steps, on a European pathway to upscale additional national citizen science campaigns.

Questions

1. Overall approach, definition of objectives and priority topics you wish that the MLE addresses (please see the approach and objectives mentioned under point C and the list of three topics proposed under point D: do you agree with what is proposed or would you like to propose any modifications?

2. What are your key expectations from the MLE?

Responses should be sent by 21 June to RTD Unit A.1 Annamaria Zonno (Annamaria.ZONNO111@ec.europa.eu) and Unit A.4 Linden Farrer (linden.farrer@ec.europa.eu).

Next steps

- Feedback to EC by 21 June 2021

- MLE is planned to run from autumn 2021 – spring 2022

Strategic debate: ERA Action 7 exchange of views

ERAC Plenary 3-4 June 2021

Peter Dröll

Director

Directorate E - Prosperity

DG Research & Innovation

European Commission

Policy Context

- The **Council Conclusion of 29 May 2018 on 'Accelerating knowledge circulation in the EU'** called on the Commission to develop a strategy to accelerate the potential uptake of R&I results and data.

- The **Council conclusions of 1 December 2020 on the 'New European Research Area'** welcomed the initiative of the Commission to review the 2008 Recommendation on the management of intellectual property in knowledge transfer activities and Code of Practice.

- **Competitiveness Council** (Research and Space), **28 May 2021** on renewing the European Research Area: among key principles and the vision for ERA, the ministers stressed in particular transfer of knowledge and cooperation between industry and academia

Knowledge valorisation for the twin transition

EUROPE is leading in **R&I** for the **GREEN TRANSITION**

CLIMATE

BIOECONOMY

TOP-CITED SCIENTIFIC PUBLICATIONS

19% (US)	21% (China)	25% (EU)	27% (EU)	19% (US)	18% (China)

PATENT APPLICATIONS

23%	14%	24%	25%	26%	11%

Not yet a **GLOBAL DIGITAL LEADER**

WORLD AI FIRMS 2018

19% EU28
32% US
23% China
26% OTHERS
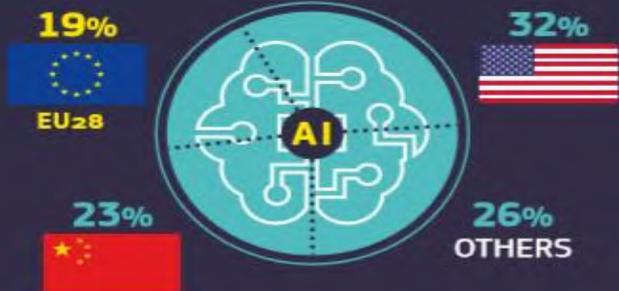
Figure 6.3-26
Knowledge Valorisation approach, latest available year

— EU = 1 — United States

Researchers

World share of Scientific Publications

World Share of Top 10% Scientific Publications

Public-private Scientific Publications per capita

PCT Patents Intensity

Share of High Tech sector in total value added

Source: SRIP 2020

European Commission
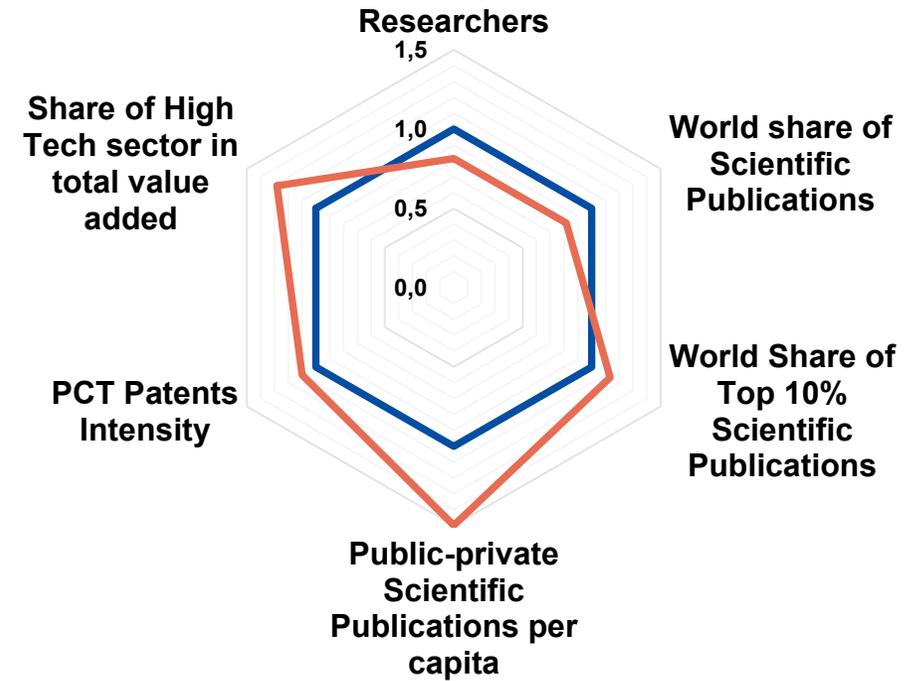
Valorisation policy development

- **Skills Agenda Communication (2020):**
  Experimentation of new approaches like a talent-based industry-academia knowledge exchange

- **Global Approach for R&I Communication (2021):**
  Inclusion of international context in the Code of Practice on smart use of IP to raise awareness among universities, research organisations and businesses

- **IP Action Plan & Industry Strategy (2020 & 2021):**
  IP awareness raising for research community & Strategy
  on standardisation to support a more assertive stance on European interests - Code of Practice for researchers on standardisation.

- '**Value creation**' foreseen as one of the key principles (ERA Pact)

European Commission

Knowledge Valorisation in ERA

European R&I leading recovery and twin transitions

What is needed

- Strengthen European resilience via R&I.

- Deploy new technologies and sustainable solutions to drive the twin transitions.

- Increase Europe's competitiveness and technological sovereignty.

- Ensure a faster knowledge circulation and a well functioning valorisation ecosystem.

ERA Objectives

Prioritise investments and reforms in R&I

Improve access to excellent R&I

Translate results into the economy to ensure market uptake of research output

Make progress on the free circulation of knowledge

Deliverables under Action 7 of ERA

Guiding Principles for knowledge valorisation co-created with Member States

Codes of Practice, starting with Smart use of IP co-created with R&I stakeholders

Outcomes

Nurture a valorisation culture and mindset in European researchers

Improve valorisation policies and practices of MS and R&I stakeholders

Promote closer connections among valorisation actors

Support leading European technologies

Increase IP literacy and smart management of knowledge assets
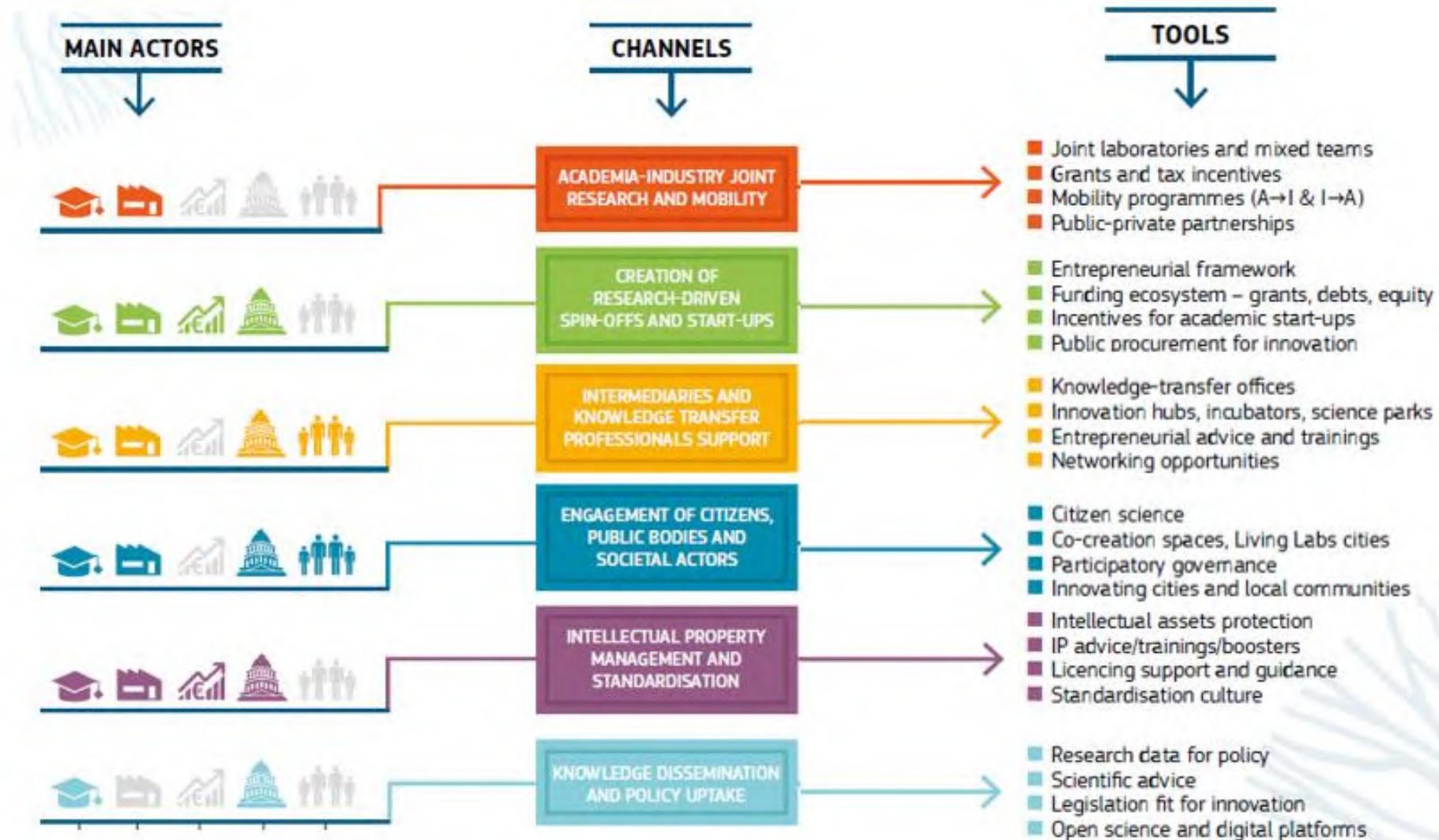
European Commission

Policy Review:
R&I Knowledge Valorisation Channels and Tools
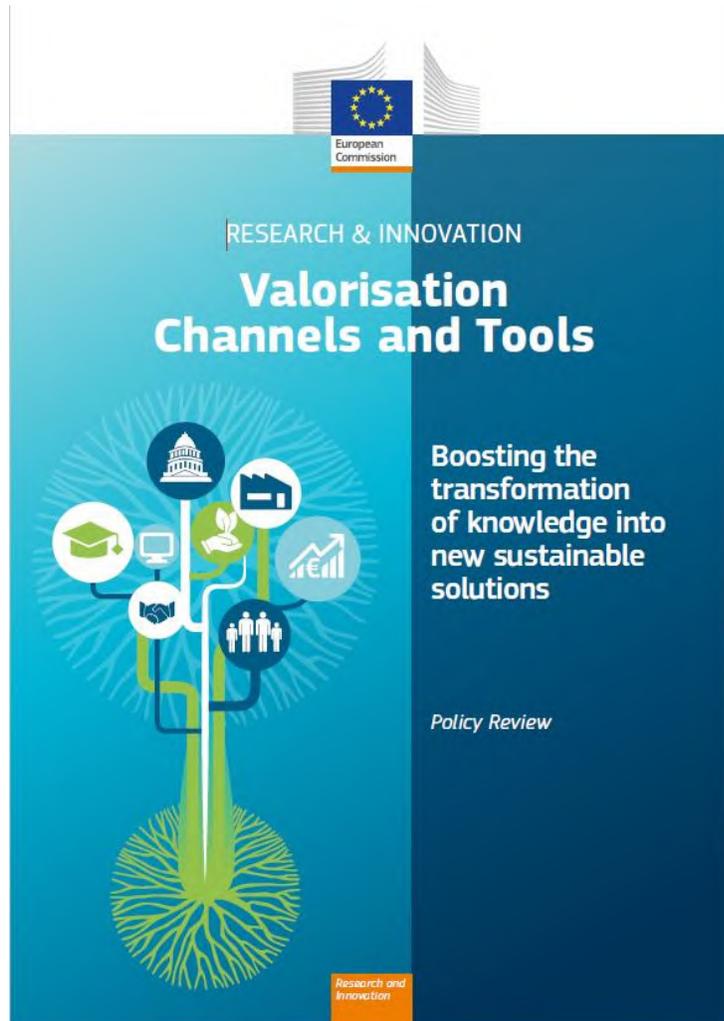
This policy review provides a toolbox to promote the uptake of R&I results and data. To enhance the diffusion of excellent national, regional and organisation-level initiatives, it also includes references to **European and international best practices**.

Mapping valorisation actors, channels and tools

MAIN ACTORS   **CHANNELS**   **TOOLS**

ACADEMIA-INDUSTRY JOINT RESEARCH AND MOBILITY
- Joint laboratories and mixed teams
- Grants and tax incentives
- Mobility programmes (A→I & I→A)
- Public-private partnerships

CREATION OF RESEARCH-DRIVEN SPIN-OFFS AND START-UPS
- Entrepreneurial framework
- Funding ecosystem – grants, debts, equity
- Incentives for academic start-ups
- Public procurement for innovation

INTERMEDIARIES AND KNOWLEDGE TRANSFER PROFESSIONALS SUPPORT
- Knowledge-transfer offices
- Innovation hubs, incubators, science parks
- Entrepreneurial advice and trainings
- Networking opportunities

ENGAGEMENT OF CITIZENS, PUBLIC BODIES AND SOCIETAL ACTORS
- Citizen science
- Co-creation spaces, Living Labs cities
- Participatory governance
- Innovating cities and local communities

INTELLECTUAL PROPERTY MANAGEMENT AND STANDARDISATION
- Intellectual assets protection
- IP advice/trainings/boosters
- Licencing support and guidance
- Standardisation culture

KNOWLEDGE DISSEMINATION AND POLICY UPTAKE
- Research data for policy
- Scientific advice
- Legislation fit for innovation
- Open science and digital platforms

European Commission

Valorising knowledge in emergency situation

**Horizon 2020 –
Manifesto for Covid Research**

✓ In July 2020 – voluntary commitment to maximise the accessibility of research results

✓ **More than 2500 endorsements** from all EU Member States and beyond (82 countries in total – 27 EU + 55 non EU)

✓ Public emergency provision in HE (non-exclusive licensing)

European Commission

"The Manifesto prepares the ground for products and solutions resulting from EU research grants, to be scaled up, available and affordable for all."

Mariya Gabriel
Commissioner |
Innovation, Research,
Culture, Education and Youth

#UnitedAgainstCoronavirus   🐦 @GabrielMariya

European Commission

Co-creation with Member States

Report about the Results of the Survey

Towards a Policy Dialogue and Exchange of Best Practices on Knowledge Valorisation

February 2021

Objectives:

✓ To take stock of key challenges

✓ To incentivise cross-border policy dialogue

✓ To identify priority areas for peer learning

✓ To start collecting best practices

The survey ran from 23 April until the end of June 2020 - participation of 23 countries.

European Commission

Sharing best practices

✓ **Objective:** showcase excellent examples of strategies and tools to boost the uptake of research results that benefit all – peer learning

✓ **Virtual event:** web streamed webinars & policy panel on lessons learned from the crisis

✓ **Participants:** +/- 700 stakeholders from academia, industry, civil society and national/regional administrations – all EU Member States and further 16 countries

✓ **Survey:** 81% considered very useful/useful; 39% interested in presenting a 'best practice'

Knowledge Valorisation Platform

| Repository of best practices | Communities of practice | Thematic focus |

Objectives:

To provide a digital collaborative exchange space that facilitates

- sharing of experiences and best practices
- building of communities of practice
- incentivising cross-border dialogue on topical issues for knowledge valorisation

European Commission

Next steps for Knowledge Valorisation in ERA

Priority Action 7

1. **Guiding Principles for Knowledge Valorisation**

   ➡️ ERA Forum for Transition sub-group (MS/EEA)

2. **Code of Practice for the smart use of Intellectual Property**

   ➡️ Stakeholders

   through 'community of practice' on Knowledge Valorisation Platform
   launch: 2nd semester 2021

3. **Code of Practice for researchers on standardisation**

   ➡️ Stakeholders

   through recently launched survey of HE2020 beneficiaries &
   consultation/co-design activities in early 2022

Questions for discussion

- How can we accelerate and scale-up valorisation of research results at national and EU level?

- Are there additional initiatives the European Commission should take to further support knowledge circulation and knowledge uptake?

European Commission

- **Ambitious agenda in 2021**

- **Update since the ERAC plenary in March**

- **Discussions on the Pact for R&I**

- **Next steps**

European Commission

Ambitious agenda in 2021

- Future ERA governance framework

- Pact for R&I

- ERA policy agenda

- ERA pilot actions

- Actions from ERA roadmap

- ERA Scoreboard

European Commission

Update since the ERAC plenary in March

- Six meetings of the ERA Forum

- Elements of the Pact for R&I

- ERA pilots: green hydrogen and plastic pirates

- Actions foreseen in the ERA Communication: knowledge valorisation, higher education transformation agenda, industrial technology roadmaps and research careers.

- Three subgroups: on knowledge valorisation, on higher education and on industrial technology roadmaps, which will deepen the discussions on actions in these areas.

- Stakeholders' involvement

Discussions on the Pact for R&I

- Principles

- Priority areas

- Investment targets

- Policy coordination

Discussions on the Pact for R&I – Principles

Upholding values

- Ethics and integrity

- Freedom of scientific research

- Gender equality and equal opportunities

Working better

- Free circulation

- Pursuit of excellence

- Value creation

Working together

- Coordination, coherence and commitment

- Global outreach

- Inclusiveness

- Societal responsibility

European Commission

Discussions on the Pact for R&I – Priority areas

Deepening ERA

- Open Science
- Research Infrastructures
- Gender, equal opportunities and inclusiveness
- Careers and mobility of researchers and research assessment and reward system
- Global engagement
- Boost Europe's capacities in research excellence

Amplifying access to excellence

- Boosting R&I investments and reforms in countries and regions with lower R&I performance
- Build synergies between EU and national and regional funding programmes
- Foster collaborative links and excellence-based integration of research-performing organisations

Taking up the challenges together

- Setting-up of challenge based ERA actions
- Design and support synergies between R&I policy, Education policy and the Skills Agenda
- Design and support the establishment of innovation ecosystems through better use of synergies between R&I policy and Industrial Policies
- Closer cooperation between research and innovation policies and stakeholders
- A more active citizen engagement in R&I development

Advancing R&I investment & reforms

- Support to prioritizing and securing long-term R&I investments and reforms
- Coordination of R&I investments

European Commission

Discussions on the Pact for R&I – R&D Investment Targets

- Member States to re-affirm the 3% EU GDP R&D expenditure target and update it to reflect new EU priorities

- A new 1.25% EU GDP public effort target to be achieved by Member States by 2030 in an EU coordinated manner, to leverage and incentivise private investments.

- That Member States lagging behind the EU average R&D expenditure over GDP direct their investment efforts to increase their total expenditure on R&D by 50% in the next 5 years.

- That Member States focus common efforts, to voluntarily commit 5% of national public R&D expenditure to joint programmes and European partnerships by 2030.

European Commission

Discussions on the Pact for R&I – monitoring and implementation

- ERA policy agenda

- On-line ERA policy platform

- Regular policy dialogues

- Common structure for national ERA action plans

- That Member States focus common efforts, to voluntarily commit 5% of national public R&D expenditure to joint programmes and European partnerships by 2030.

Next steps

Discussions on:

- the ERA governance

- the ERA policy agenda

GENDER EQUALITY PLANS AS A CATALYST FOR CHANGE

Report from the Standing Working Group on Gender in Research and Innovation

Marcela Linkova

Chair

Standing Working Group on Gender in Research and Innovation

Gender equality in the ERA

- Since 2012, gender equality and gender mainstreaming are one of ERA priorities

- 3 objectives:
  - Gender balance in research teams
  - Gender balance in decision-making
  - Gender dimension in research (and increasingly teaching) content

- Policy framework
  - **Institutional change through gender equality plans** marks a shift in approach from "fixing women" to "fixing institutions" and "fixing knowledge"
  - 2015 CC on advancing gender equality in ERA (14846/15) encouraged making **the institutional change a key element of their national policy framework on gender equality in R&I**

The new ERA for R&I

- [Communication from the Commission A new ERA for Research and Innovation](#) (COM/2020/628 final)
  - **a new concept for the ERA** which consists in deepening existing priorities and initiatives, where possible through new and stronger approaches. As regards gender equality, the Commission proposes, as of 2021, in line with the Horizon Europe programme objectives, **the development of inclusive gender equality plans with MS and stakeholders in order to promote gender equality in European R&I**.

- Article 27.ii of the [Council Conclusions on the New European Research Area of 1 December 2020](#) (13567/20)
  - "CALLS on the Commission and Member States for a renewed focus on gender equality and mainstreaming, including **through the instrument of gender equality plans and the integration of the gender dimension into R&I content**. [and] INVITES Member States and research funding organisations to advance measures to ensure that allocation of research funding is not affected by gender bias."

Data sources

- SWG GRI survey
  - Twenty-nine countries provided a GEPs mapping overview, including 23 MS and 6 AC, by end of January 2021
- Written input from SWG GRI delegations
- Supporting evidence from Results of a Twitter campaign organized by H2020 projects GENDERACTION and Gearing-Roles

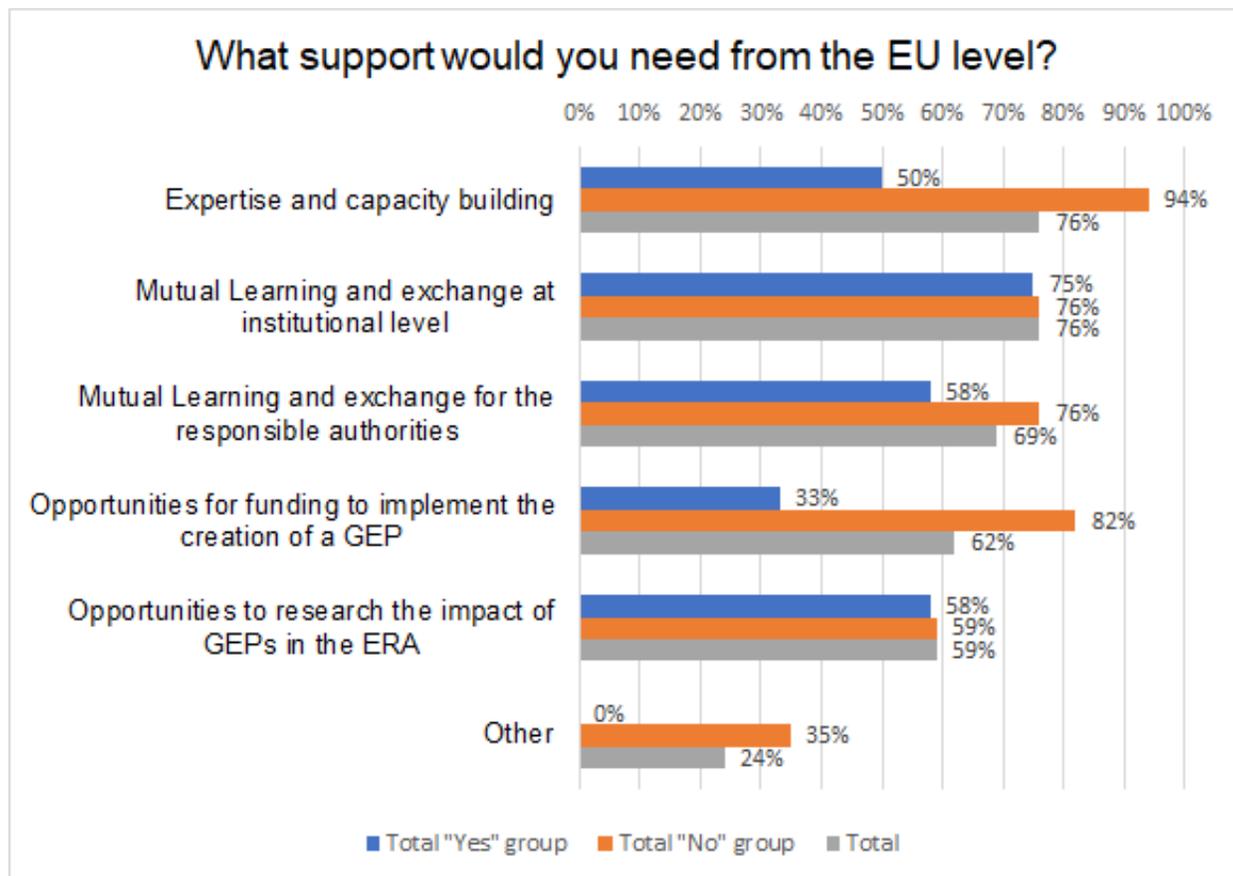| Member States	Associated Countries
Austria (AT), Belgium (BE-FWB+BE-Flanders), Cyprus (CY), the Czech Republic (CZ), Germany (DE), Denmark (DK), Estonia (EE), Greece (EL), Spain (ES), Finland (FI), France (FR), Croatia (HR), Hungary (HU), Ireland (IE), Italy (IT), Lithuania (LT), Malta (MT), the Netherlands (NL), Poland (PL), Portugal (PT), Sweden (SE), Slovenia (SI), Slovakia (SK).	Bosnia and Herzegovina (BA), Switzerland (CH), Israel (IL), Iceland (IS), Norway (NO) and Turkey (TR).

Legal or policy GEP requirement in place in MS and AC
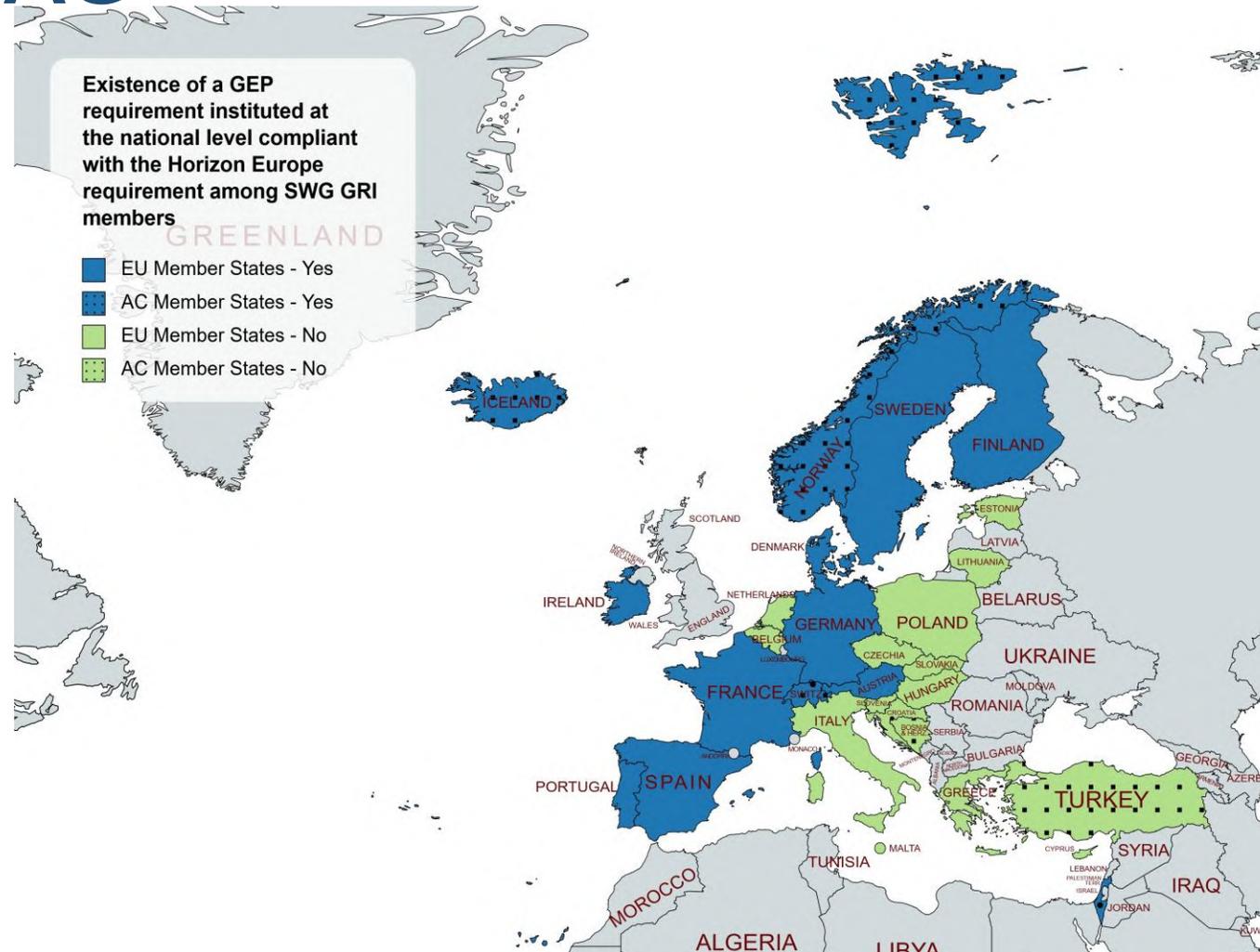
Main challenges to GEP implementation

- Policy coordination to build a **common definition** of the GEP requirement

- Building **political consensus** to achieve substantive change through GEPs

- **Uptake** of GEPs by RPOs at national level

- **Monitoring and evaluation** of GEP implementation

- **Capacity building**

- Mobilising **support and resources** at national level

- **Mutual learning** exercises and guidance

- **Commensurability** of GEP requirements **between the public and private** sectors

Identified needs

What support would you need from the EU level?

Expertise and capacity building — 50%, 94%, 76%
Mutual Learning and exchange at institutional level — 75%, 76%, 76%
Mutual Learning and exchange for the responsible authorities — 58%, 76%, 69%
Opportunities for funding to implement the creation of a GEP — 33%, 82%, 62%
Opportunities to research the impact of GEPs in the ERA — 58%, 59%, 59%
Other — 0%, 35%, 24%

Total "Yes" group · Total "No" group · Total

- Inform
- Capacity and expertise development
  - Stronger among countries w/out a GEP requirement (16 countries out of 17)
- Funding opportunities
  - Stronger among countries w/out a GEP requirement (14 countries out of 17)
- Mutual learning and exchange
  - At policy level stronger among countries w/out a GEP requirement
  - Equal interest in MLW at institutional level
- Opportunities to analyse the impact of GEPs in the ERA

SWG GRI taskforce on Gender Equality Plans:

- Roberta Schaller-Steidl (AT)

- Marcela Linkova (CZ)

- Milja Saari (FI)

- Zulema Altemirano (ES)

- Gemma Irvine (IE)

- Alexandra Bitusikova (SK)

- Sharon Rashi Elkeles (IL)

- Efrat Salton Meyer (IL)

- Heidi Holt Zachariassen (NO)

- Gulsun Saglamer (TR)

With the support of external experts:

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THANK YOU!

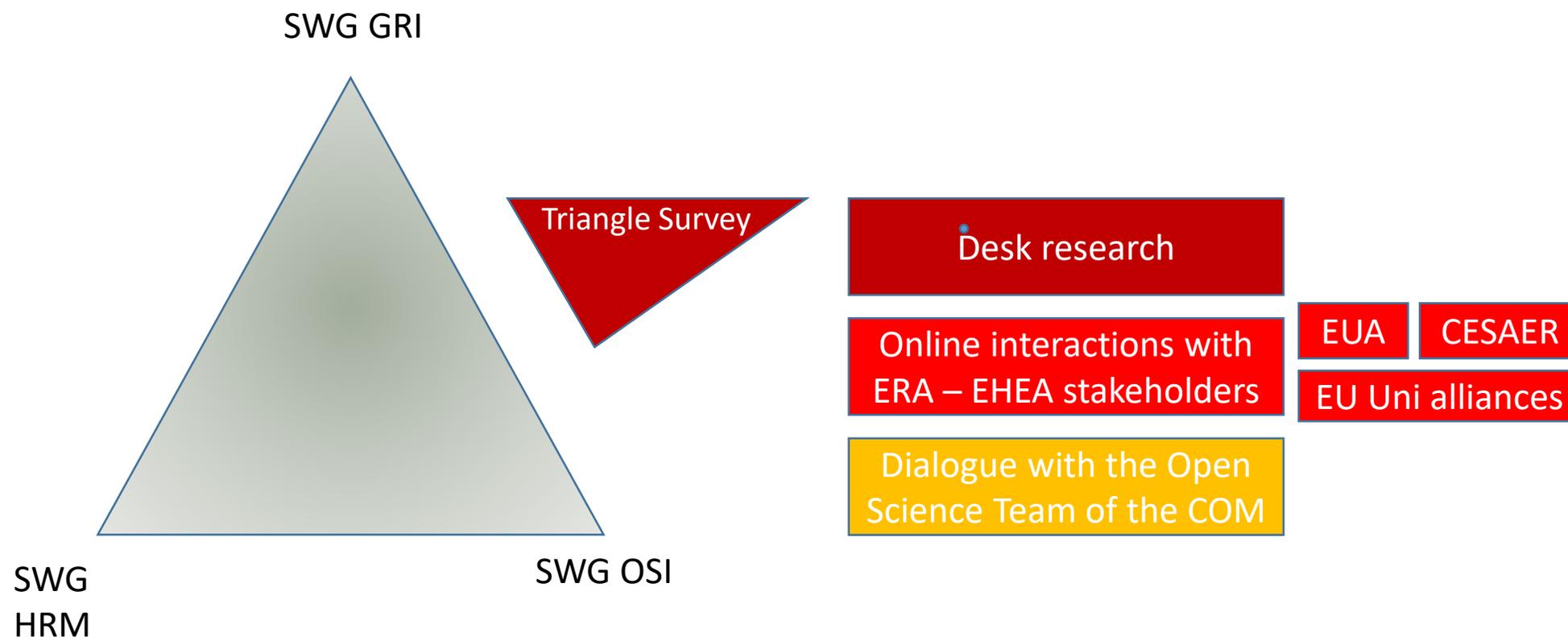marcela.linkova@soc.cas.cz

🐦 @marcela_linkova

Triangle Taskforce
Goal 1 Guideline Report on Research Evaluation in a context of Open Science and gender equality

Rationale of the guideline paper

- Killing two birds with one stone
  - Open Science and gender equality as two major game changers in the ERA
  - Possible crossfertilization between Open Science and gender equality
  - Further uptake of Open Science and gender equality hindered by current research evaluation processes

→ Providing all stakeholders involved in research evaluation with principles, guidelines and good practices to better integrate consideration for Open Science and gender equality in research evaluation

Taskforce launched February 2020

SWG GRI

Triangle Survey

Desk research

Online interactions with
ERA – EHEA stakeholders

EUA   CESAER

EU Uni alliances

Dialogue with the Open
Science Team of the COM

SWG
HRM

SWG OSI

Report approved 27 May 2021

What you get

- A state of play informed by desk research and a survey

- 6 principles

- 33 guidelines

- 52 good practices
  - Good practices follow the principle of maximal diversity (thematic and geographic)

State of play

- Research evaluation focus in the last decades on a certain type of research outputs, while Open Science and gender equality also relate to processes

- Ambivalent attitudes of researchers: eager to engage in Open Science but reluctant because of te lack of incentives

- Gender equality is regularly taken into account in research evaluation, but only in a few cases gender equality aspects are explicitly considered while evaluating the uptake of Open Science

- Traditional research evaluation based on impact factor (JIF) as most cited obstacle to a better uptake of Open Science in research evaluation

Six general principles

- Foster the diversity of open research and innovation ecosystems, using a diversity of evaluation methods and indicators to better recognize the diversity of research outputs and processes, as well as the diversity of researchers themselves

- Promote inclusiveness and collective involvement in the design of Open Science and research evaluation policies

- Encourage a responsible attitude in research evaluation

- Foster transparency in research evaluation as well as trustworthiness in the added value of Open Science and gender equality

- Provide the right incentives through evaluation

- Create a virtuous circle between training and evaluation

Guidelines and good practices

3.4.   Foster transparency in research evaluation as well as trustworthiness in the added value of Open Science and gender equality

2. Define explicitly the notions of research quality and excellence in function of the mission(s) of the institution or in the context of a specific research project, research related service or infrastructure. Favour in any case a composite definition of excellence that does not focus on a single type of research output or activity, which supports Open Science and which is not gender biased.

Ref.: Science Europe, 2020: 22; SWG GRI, 2019b; Van den Brink and Benschop (2012)

Good practice:

Germany

In Germany, the Digital Initiative for network information (DINI) created a certificate for "Open Access Repositories and Publishing Services", which functions as a mark of quality and openly communicates its criteria. The wording of the certificate has to be gender inclusive since 2019.

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To disseminate it

To use it

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