

ΓΓΕΤ

**ΓΕΝΙΚΗ ΓΡΑΜΜΑΤΕΙΑ
ΕΡΕΥΝΑΣ ΚΑΙ ΤΕΧΝΟΛΟΓΙΑΣ**

GSRT

**GENERAL SECRETARIAT FOR
RESEARCH AND TECHNOLOGY**

RESEARCH INFRASTRUCTURES

Main Policy Aspects and Challenges

INFRAFRONTIER stakeholder event, Athens 14-16/11/2017

Maria Christoula (PhD)



Agenda

- 🖥️ The R&D landscape and main policy challenges
- 🖥️ Process for a national roadmap and a funding plan for Research Infrastructures
- 🖥️ Elements of the multiannual funding plan for Research Infrastructures

Aspects of the R&D landscape

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R & D investment

- Up to 0,99% of GDP in 2016 – Increase of the research institutions budget
- Public investment raised ~30% in 2016
- 1000 new posts in universities, 100 new posts in research institutes for 2017-2018

HFRI – Hellenic Foundation of Research & Innovation

Supporting “blue sky” research, 240 m€ / 3 years (180m € - EIB, 60m€ - National Funds), > 4000 PhD & post-doc grants

Horizon 2020

competitive performance of Greek research groups (from Interim report)

Structural Funds 2014-2020

Mainly for applied research and scientific innovation

~1.2b€ and 9000 job positions for young scientists

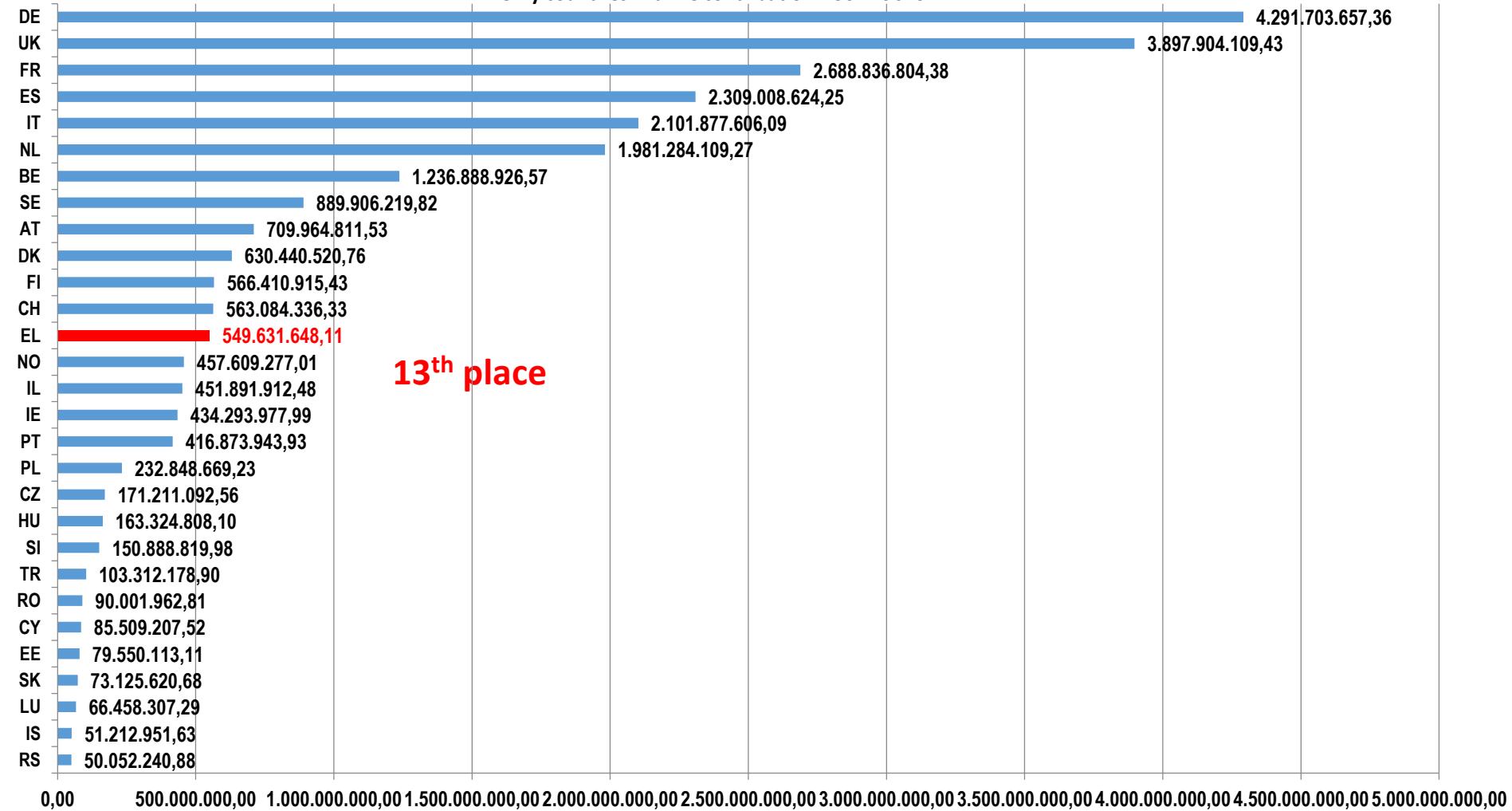
Highly competitive human research potential...

EU Financial Contribution per Country

Data: EC CORDIS, Reference date: 12/10/2017

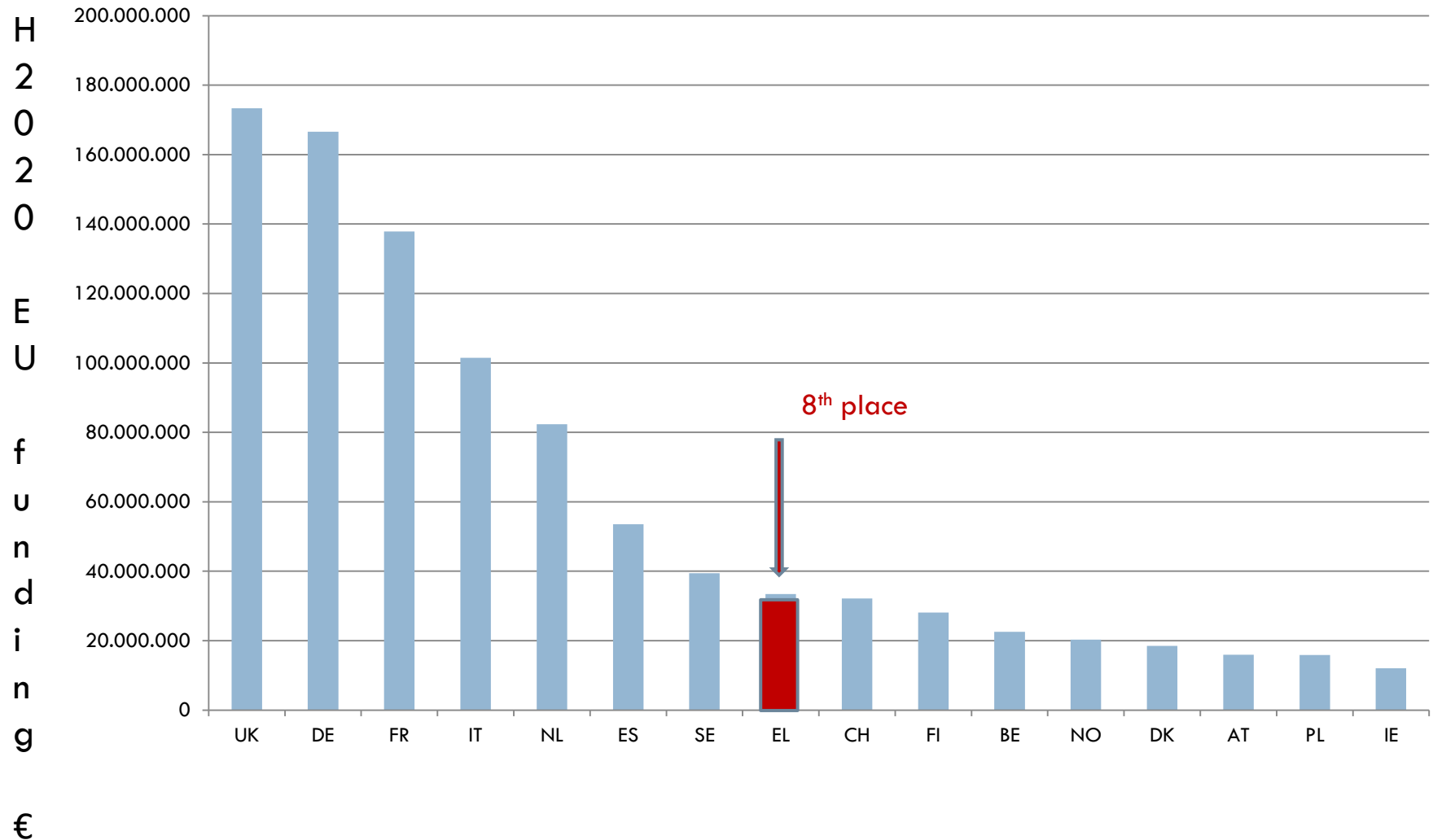
Analysis by V. Gongolidis, General Secretariat for Research and Technology, Greece

Only countries with EC contribution > 50 M€ shown



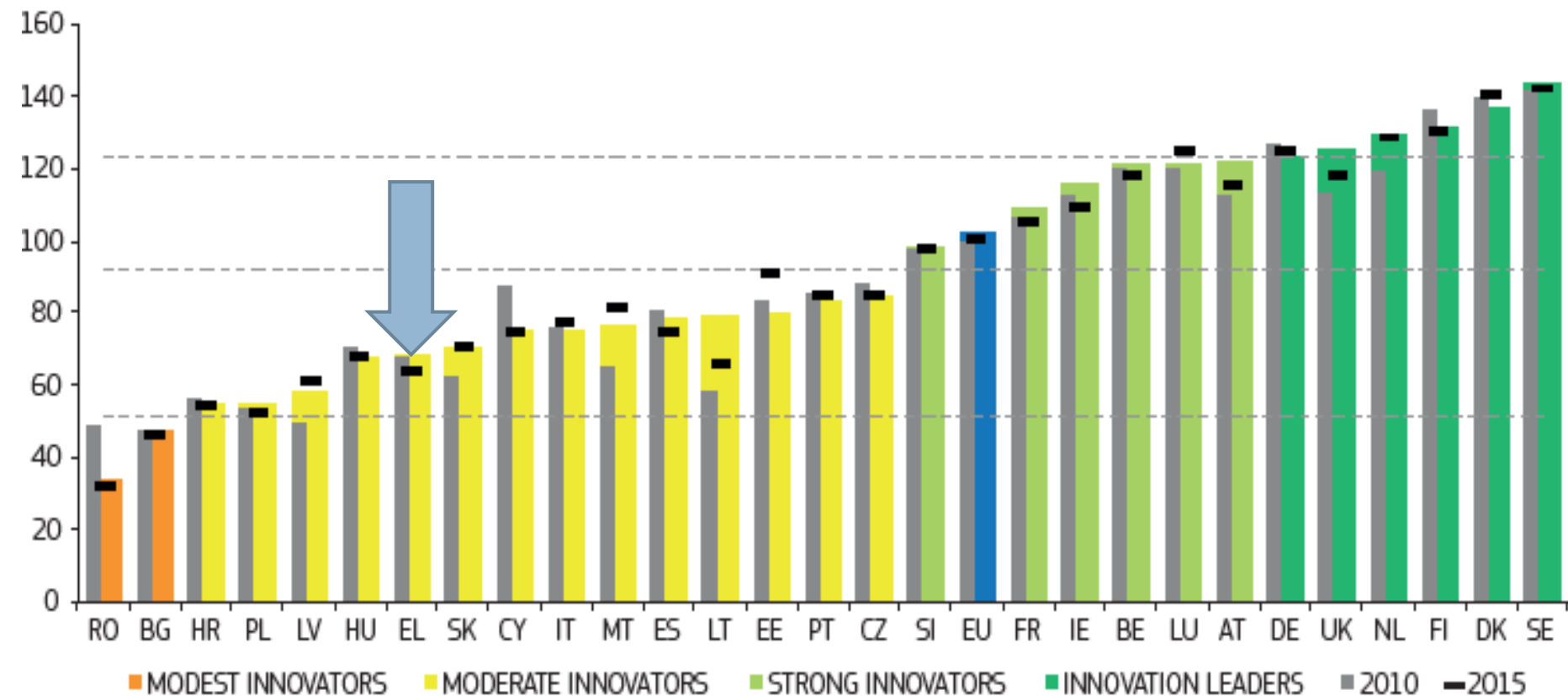
(based on EU financial contribution from H2020)

Highly competitive presence - Research Infrastructures Programme - H2020



The Innovation Gap

Figure 1: Performance of EU Member States' innovation systems



Overall Greece is a moderate innovator despite the good performance in academic scientific indicators

Role of RIs

- RIs are key structural elements of the R&D ecosystem as
 - - enablers of innovation
 - - bonding elements within the knowledge triangle
- Need for a coherent national plan for RIs
 - to support the decision making process and to optimize investments for RIs
 - to support an evidence – based national strategy linked to EU priorities

Towards a national policy for RIs

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Landscape and Challenges

International networking of
Greek teams

Strong presence to H2020 – RI
program and to ESFRI

Fragmentation of effort &
Infrastructures

Limited national funds,
dependence on structural
funds (ESIF)

Compliance with RIS3
(Ex-ante conditionality for
Research Infrastructures)

Targets

Excellence

Critical Mass/ National –
International Networking/

Governance – Access
Policy

Impact/innovation
Potential

Selection Process for funding


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- Bottom up approach - open calls for expressions of interest (GSRT)



- Peer review by international experts & thematic panels (GSRT)



- Strategic prioritization by a High Level Committee (GSRT)



- **Multi-annual funding plan**



- Call for updated proposals (ERDF MA)



- Eligibility check (ERDF MA)



- **Funding from Structural Funds**

Evaluation Criteria

I	ON/OFF CRITERIA
A	Compliance with the definition of research infrastructure
B	Contribution to the RIS3 priority areas: a. Its main activities are fully aligned to product / process / organizational innovation of RIS3 priority sectors b. The majority of the RI deliverables and services contribute to the RIS3 priority sectors
II	RANKING CRITERIA
A.	Scientific, technological potential and maturity of the RI (1-5)
B.	Effective Networking, Synergies within the Knowledge Triangle and International Visibility (1-5)
C.	Access Policy (1-5)
D.	Governance and Sustainability of the RI (1-5)
E.	Innovation Potential & Contribution to Private Sector Innovation (1-5)
F.	Contribution to National and Regional Growth & Socioeconomic Benefits (1-5)

Multi- Annual Funding Plan for RIs 2014-20

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Multiannual funding Plan for National Research Infrastructures, November 2016

[ex-ante-1-2_Nov 2016 V.11 \(1\).pdf](#)



28 distributed infrastructures (hubs all around Greece)

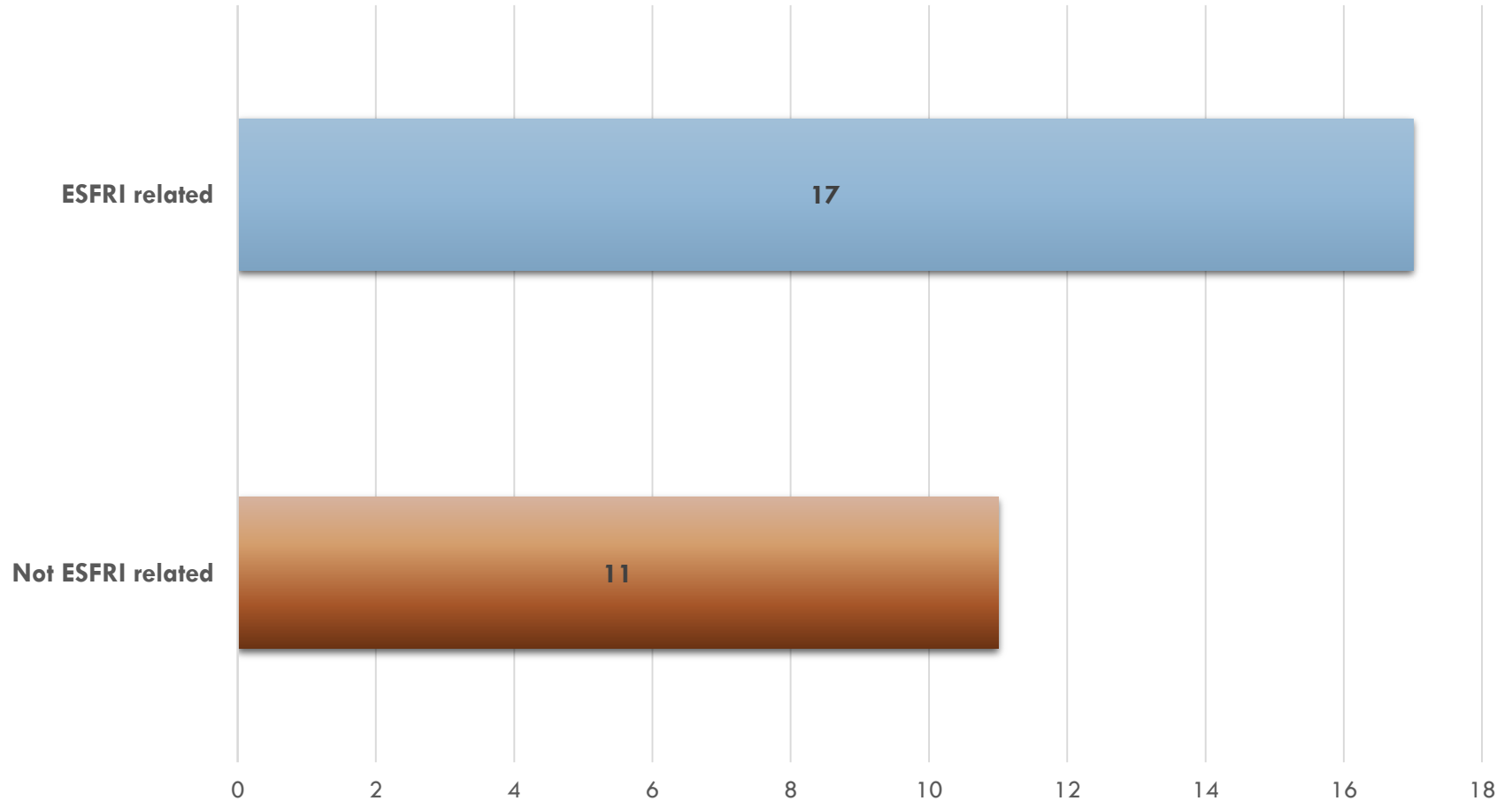
TO BE REVISED BY 2019

Environmental Sciences
Biological and Medical Sciences
Social Sciences and Humanities
Energy
Physical Sciences and Engineering
Materials & Analytical Facilities
e-infrastructures



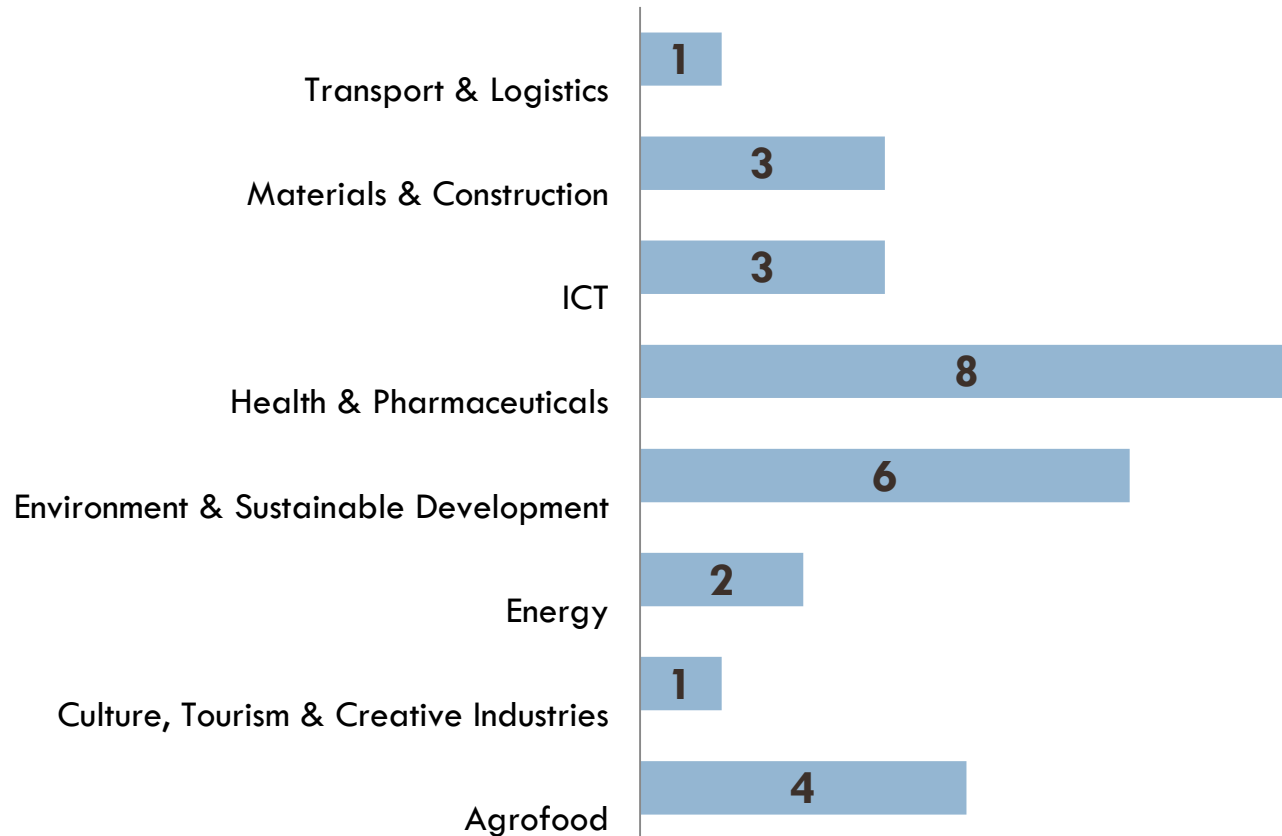
Elements of the multiannual funding plan for RIs

ESFRI relation of Research Infrastructures



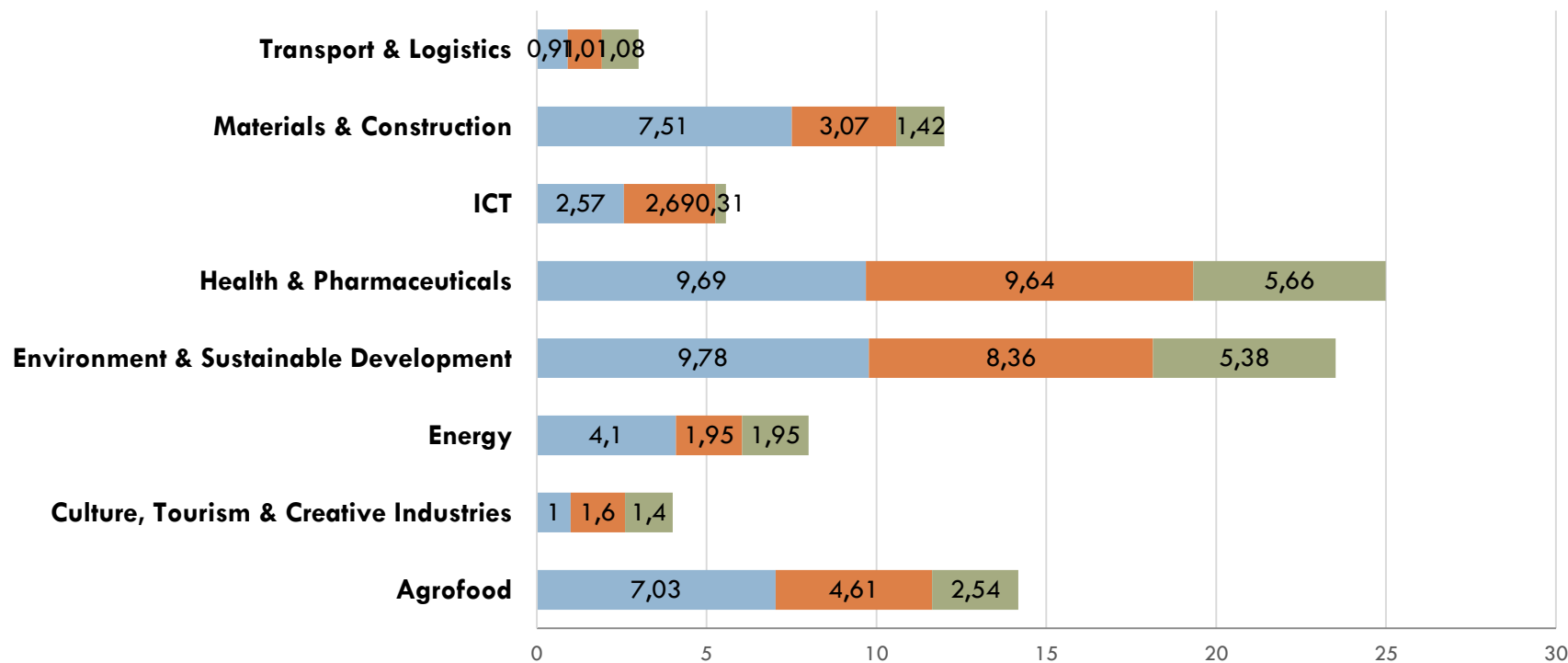
Elements of the multiannual funding plan for RIs

Distribution of RIs per thematic priority



Elements of the multiannual funding plan for RIs

Distribution of RIs funding per thematic priority and year



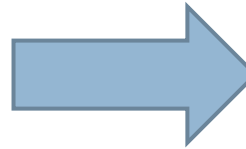
	Agrofood	Culture, Tourism & Creative Industries	Energy	Environment & Sustainable Development	Health & Pharmaceuticals	ICT	Materials & Construction	Transport & Logistics
2017	7,03	1	4,1	9,78	9,69	2,57	7,51	0,91
2018	4,61	1,6	1,95	8,36	9,64	2,69	3,07	1,01
2019	2,54	1,4	1,95	5,38	5,66	0,31	1,42	1,08

Biosciences & Health RIs

No	Acronym	Title	ESFRI relation	funding plan
1	INFRAFRONTIER-GR / Phenotypos	The Greek Research Infrastructure for Molecular and Behavioral Phenotyping of biological model organisms for chronic degenerative diseases	INFRAFRONTIER	1 st batch
2	pMED-GR	The Greek Research Infrastructure for Personalised Medicine Towards more accurate and cost-effective health management for the Greek citizen	-	1 st batch
3	Biolmaging-GR	A Greek Research Infrastructure for visualizing and monitoring fundamental biological processes	EURO-Biolmaging	1 st batch
4	Openscreen-GR	An Open-Access Research Infrastructure of Chemical Biology and Target-Based Screening Technologies for Human and Animal Health, Agriculture and the Environment	OpenSCREEN	1 st batch
5	ELIXIR-GR	Managing and analyzing biological data	ELIXIR	1 st batch
6	INSPIRED	The National Research Infrastructures on Integrated Structural Biology, Drug Screening Efforts and Drug-target functional characterization	INSTRUCT	1 st batch
7	EATRIS-GR	Infrastructure for preclinical and early-phase clinical development of drugs, therapeutics and biomedical devices	EATRIS	2 nd batch
8	BBMRI -GR	Strategic expansion of the Greek Biobanking Infrastructure	BBMRI	2 nd batch

More Info...

Detailed info on the multiannual funding plan





Thank you for your attention!

m.christoula [at] gsrt.gr



Backup Slides

High Level Advisory Committee meeting on 21& 22 /3/2016

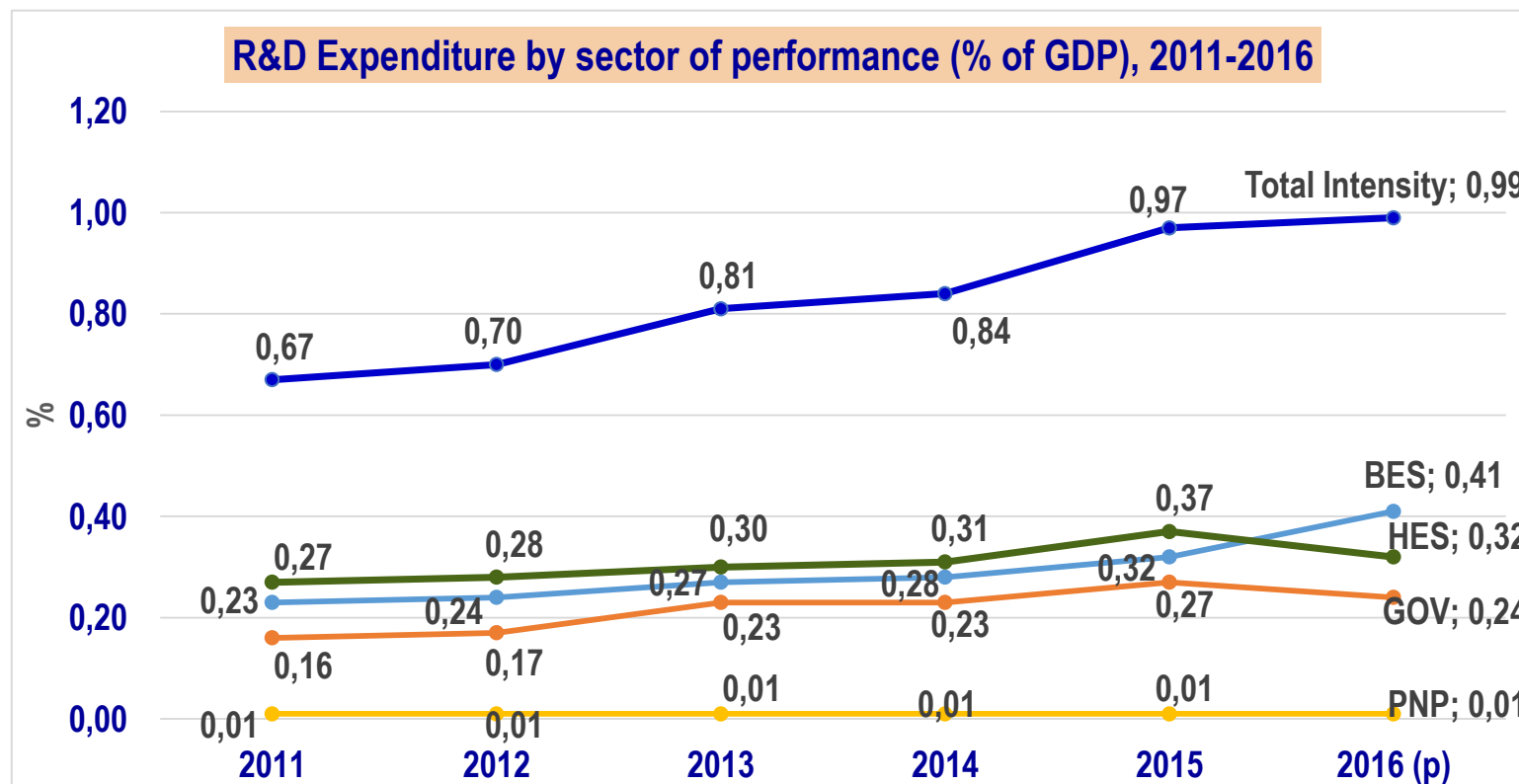
main findings

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- The Roadmap process followed by the GSRT, with a bottom up approach, peer review by experts of international standing and advisory input from prominent representatives of the Greek RD&I ecosystem was of **exceptionally high standard, fully aligned with international good practices**

R&D intensity is increasing as % of GDP, as well as in absolute numbers - especially BERD

	2011	2012	2013	2014	2015	2016 (p)
BES	485,86	458,60	488,69	504,37	561,59	722,88
GOV	331,73	331,90	410,13	412,69	479,35	428,86
HES	559,53	534,30	548,60	553,20	643,77	566,55
PNP	14,04	12,80	18,25	18,48	19,11	14,80
TOTAL	1.391,16	1.337,60	1.465,67	1.488,74	1.703,82	1.733,09



Total R&D intensity for 2016 (p) reached 0,99% of GDP