

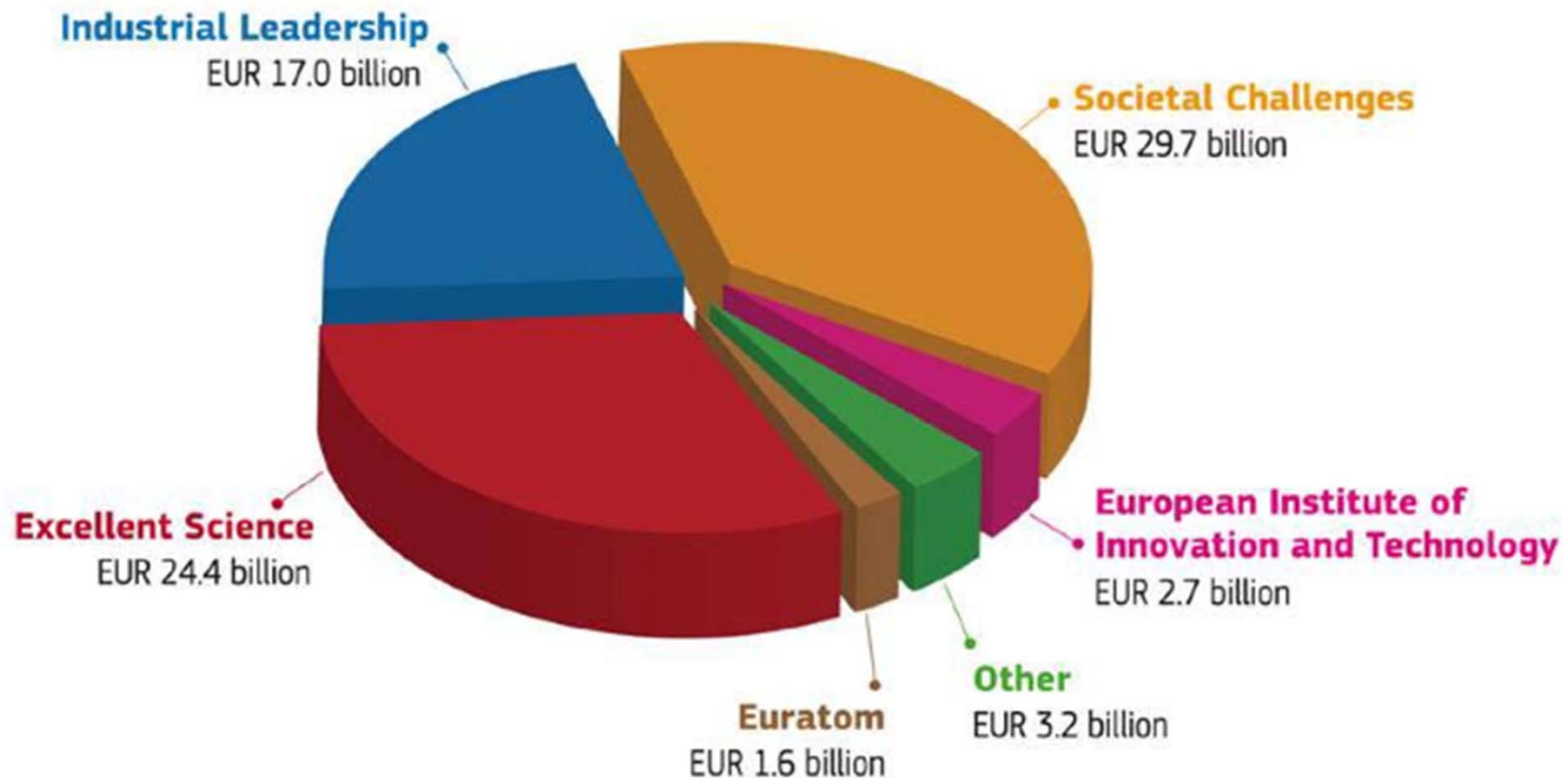
Comentarios sobre H2020 y posibles acciones RSEF

Carlos Hidalgo

Junta de Gobierno RSEF
14 de Marzo 2014

H2020

HORIZON 2020 BUDGET (EUR 78.6 billion, current prices)

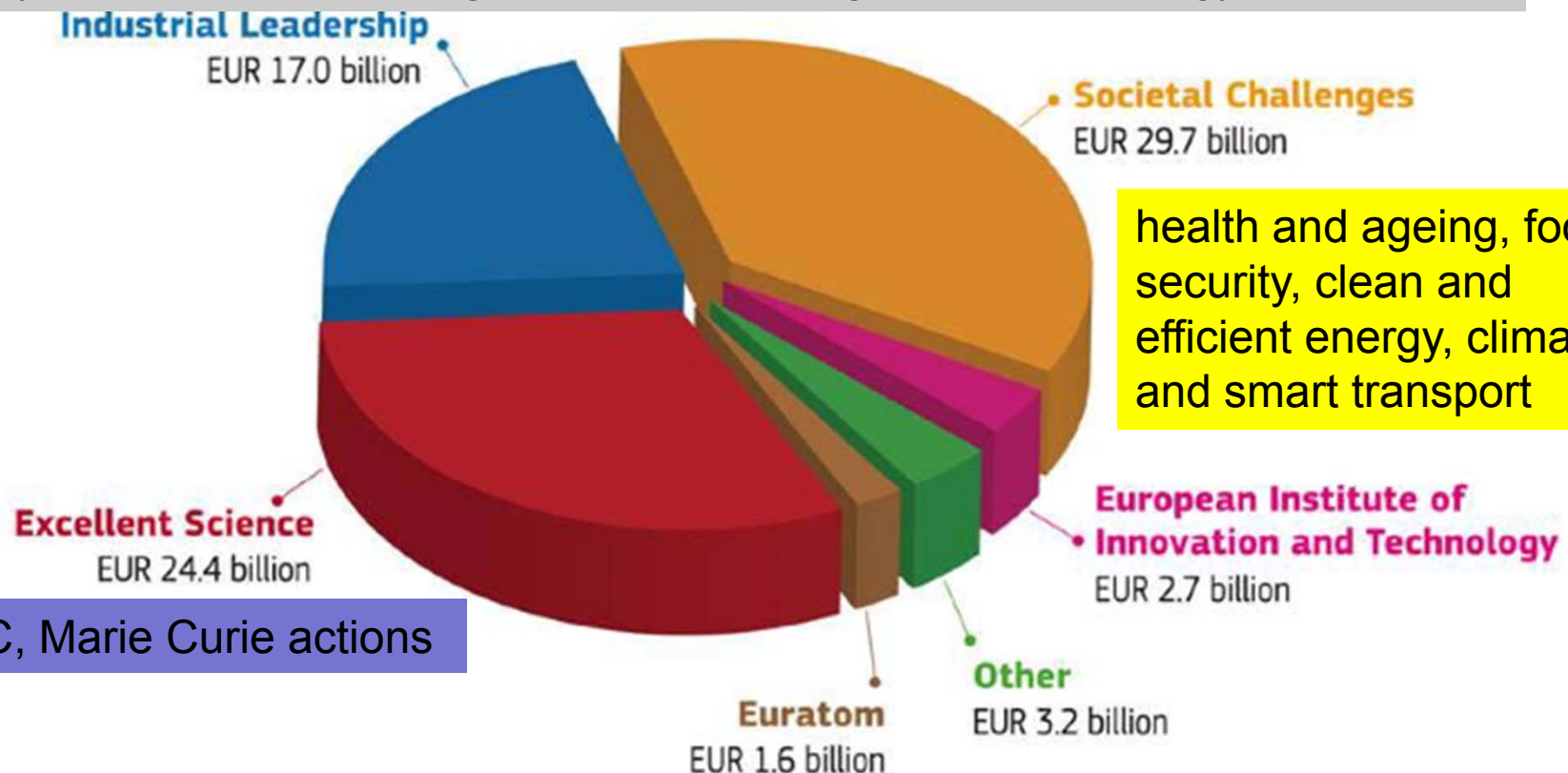


The European H2020 funding must be also supported with actions at national level for re-launching Europe as knowledge based society.

H2020

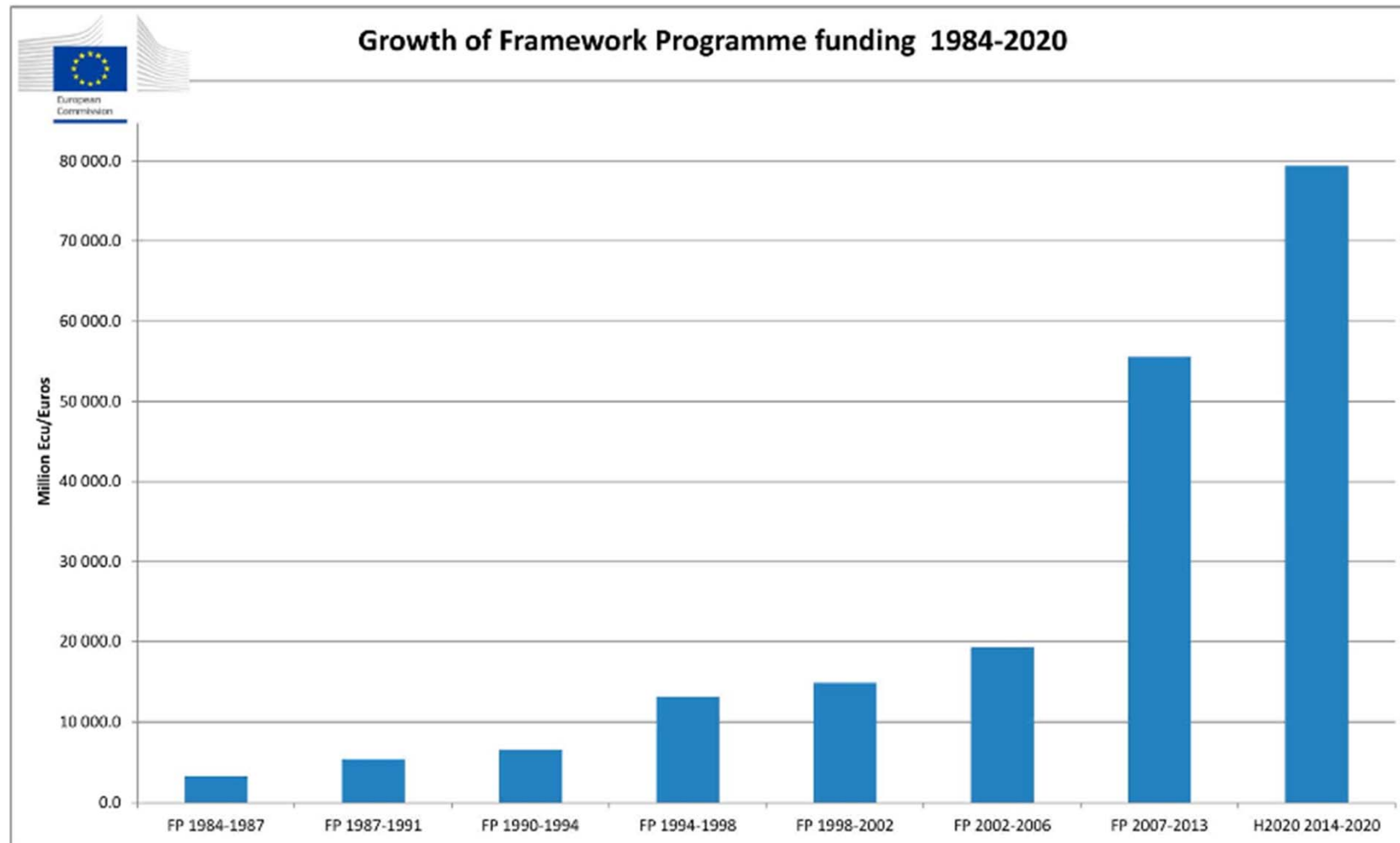
HORIZON 2020 BUDGET (EUR 78.6 billion, current prices)

key industrial technologies (e.g. Information and Communication Technologies, Industry and Societal challenges, Nanotechnologies, Biotechnology and Space)



The European H2020 funding must be also supported with actions at national level for re-launching Europe as knowledge based society.

EU Programme funding



Basic science and Technology

RESEARCH PAPERS		PATENTS ISSUED
1. US	→	1. US
2. Germany	→	2. Japan
3. China	→	3. South Korea
4. Japan	→	4. Germany
5. UK	→	5. Taiwan
6. France	→	6. Canada
7. Canada	→	7. France
8. South Korea	→	8. UK
9. Italy	→	9. China
10. Spain	→	10. Italy
11. Switzerland	→	11. Australia
12. Australia	→	12. Israel
13. Netherlands	→	13. Netherlands
14. India	→	14. Switzerland
15. Taiwan	→	15. Sweden
16. Israel	→	16. India
17. Singapore	→	17. Finland
18. Sweden	→	18. Belgium
19. Belgium	→	19. Austria
20. Denmark	→	20. Denmark
21. Austria	→	21. Singapore
22. Russian Fed.	→	22. Hong Kong
23. Hong Kong	→	23. Spain
24. Brazil	→	24. Norway
25. Finland	→	25. Ireland

Publishing research papers is a good way to get a bead on basic research, but it doesn't say much about whether a nation is taking advantage of those good ideas.

Patents give a clue as to how well a country is exploiting its ideas for commercial gain.

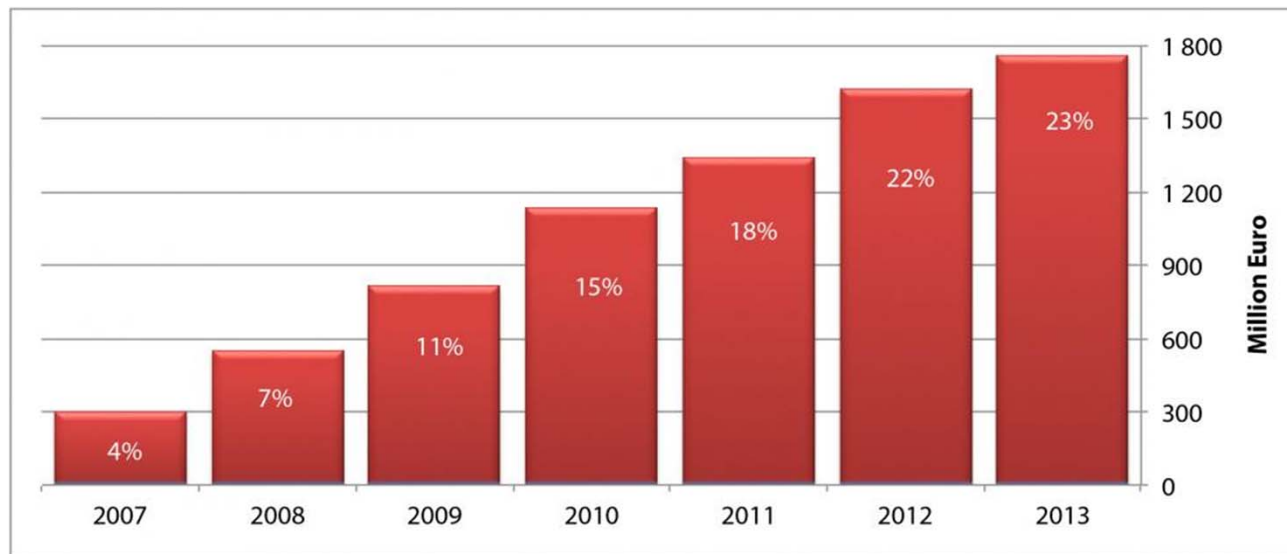
How to improve the balance?

Scientific American,
October 2012

European Research Council

The ERC is a successful pan-European funding organisation for frontier research.

It has become a reference of the competitiveness and excellence of national research and innovation systems, complementing existing funding schemes at national and European levels.

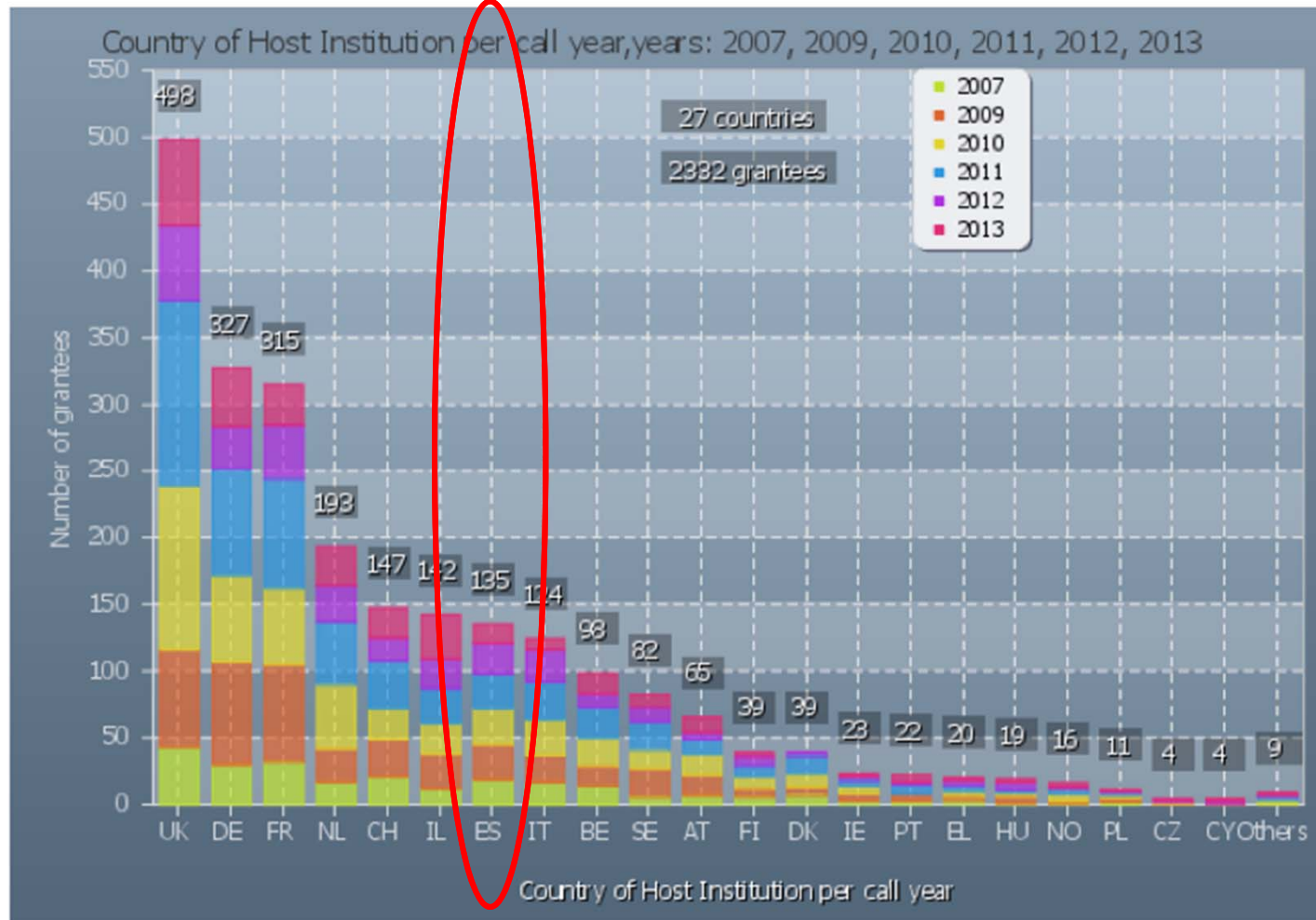


ECR budget evolution during FP-7 [<http://erc.europa.eu/about-erc/facts-and-figures>]. The ERC represents 15% of the overall FP7 budget (€ 7.51 billion of € 50.5 billion) as compared with 17% of the H2020 budget.

ERC / starting grants: granted proposals

Spain number 7, with success rate $135 / 2124 = 6\%$

UK number 1, with success rate $498 / 4067 = 12\%$



How to improve the success rate?
Role of RSEF divisions / Group

RSEF / EPS H2020 joint actions ?



MARIE Skłodowska-CURIE ACTIONS

European Researchers' Night
Call: H2020-2014-MSCA-NIGHT

Participant organisation name
Country

1 (Coordinator)
European Physical Society

+

RSEF

Submitted March 2014

I. Excellent Science	31.73 %
1. European Research Council	17.00
2. Future and Emerging Technologies	3.50
3. Marie Curie actions	8.00
4. Research infrastructures	3.23
II. Industrial Leadership	22.09 %
1. Leadership in enabling and industrial technologies	17.60
2. Access to risk finance	3.68
3. Innovative small and medium-size enterprises	0.80
III. Societal Challenges	38.53 %
1. Health, demographic change and wellbeing	9.70
2. Food quality and marine research	5.00
3. Energy	7.70
4. Transport	8.23
5. Climate action, resources and raw materials	4.00
6. Inclusive societies	1.70
7. Secure societies	2.20
Spreading excellence and widening participation	1.06
Science with and for society	0.60
European Institute of Innovation and Technology-EIT	3.52
Joint Research Centre	2.47
Total	100%