



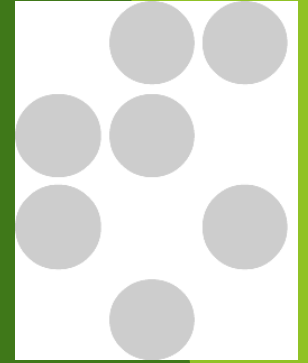
Paramount Questions & Issues of Horizon 2020 and the upcoming FP9

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Jožef Stefan Institute, Slovenia



- ▶ Natural sciences, life sciences, engineering
- ▶ Basic and applied research
- ▶ 960 employees, 740 researchers



Jožef Stefan Institute in FPs

- Opportunity to collaborate with excellent European and international research teams, researchers and scientists
- Funding opportunities
- Use of research infrastructure

International cooperation



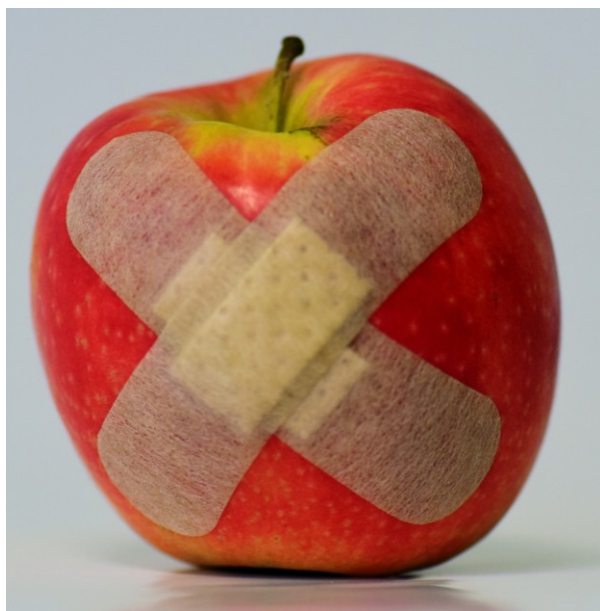
JSI in HORIZON 2020	No. of projects	Financial contribution
Excellent Science	20	3.840.716,82
FET	3	349.125,00
Marie-Sklodowska-Curie Action	12	2.976.597,32
Research Infrastructures	5	514.994,50
Industrial Leadership	30	7.150.464,00
LEIT	26	6.820.342,00
Innovation in SMEs	4	330.122,00
Societal Challenges	27	6.204.217,90
Health, Demographic Change & Wellbeing	5	1.772.926,65
Food, Agriculture, Forestry, Water, Bioeconomy	2	732.500,00
Secure, Clean and Efficient Energy	6	660.000,00
Smart, Green and Integrated Transport	3	706.687,50
Climate Action, Environment, Raw Materials	5	1.226.247,50
Inclusive, Innovative and Reflective Societies	2	243.437,50
Freedom and Security of Europe and its Citizens	4	862.418,75
Spreading Excellence and Widening Participation	4	1.157.935,00
Science with and for Society	3	480.250,00
TOTAL	84	18.833.583,72
Euratom Research and Training programme 2014-2018	9	845.270,45
COSME programme	2	354.986,00
EUROfusion	1	1.794.986,00
TOTAL		21.828.826,17

Problems faced in international community

- ▶ Virtuality of ERA
- ▶ Non-coherent rules in different programmes
- ▶ Priority to large projects
- ▶ Evaluation process
- ▶ Research policy not within the political priorities throughout EU

Recommendations H2020 and FP 9

- Ring-fence budget for grant-based science and research, and assign proportions for fundamental science that cannot be altered.



EC proposal in 2011: 87,7 billion €

Triilogue budget: 77 billion €

To EFSI: 2,2 billion €

3 % cut

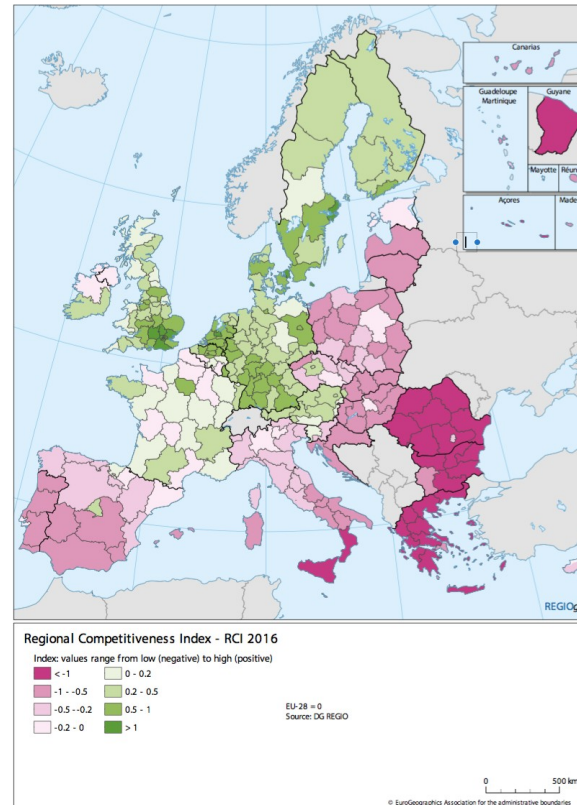
Horizon 2020 budget: 74,8 billion €

Administration: (4 - 5) %

Operational budget: 70 billion €

Recommendations H2020 and FP 9

- Increase the research budget, especially for instruments assisting the lower-performing states.



Recommendations H2020 and FP 9

- ▶ Reintroduce large-scale funding for research in the ranges TRLs 1-3, while continuing to provide funding for translational research of TRLs 4-6. Recommit to the funding of long-term collaborative research.

TRL9	Actual system proven in operational environment	Societal Challenges	Industrial Leadership
TRL8	System complete and qualified		
TRL7	System prototype demonstration in operational environment		
TRL6	Technology demonstrated in relevant environment		
TRL5	Technology validated in relevant environment		
TRL4	Technology validated in lab		
TRL3	Experimental proof of concept		Excellent Science
TRL2	Technology concept formulated		
TRL1	Basic principles observed		

Recommendations H2020 and FP 9

- ▶ Strive to achieve geographical balance in different committees, working groups, expert groups, and evaluation teams, within the Framework Programme.
- ▶ Improve transparency, especially of the project evaluation procedure.

Recommendations H2020 and FP 9

- ▶ Create funding for the procurement of smaller equipment (up to €2M) needed to undertake fundamental research within such projects.
- ▶ Consider the creation of a fund for the national training of younger personnel on how to prepare and manage large European research projects.
- ▶ Determine the budget for research partners according to the complexity of the work done. Currently the value of FTE (full-time equivalent) depends solely on the local labour costs, which do not allow appropriate budgeting of staff on a European level.

Summary - FP 9

- ▶ Increase budget
- ▶ Ring-fence grant-based budget for science and research
- ▶ Increase effort to reduce gap in participation of MSs in FP
- ▶ Greater focus on TRL 4 - 6 projects
- ▶ Reintroduce support to basic collaborative research, TRL 1 -3 projects
- ▶ Substantially improve evaluation procedure