

CARPE Conference

European Liaison Office of German Research
Organisations (KoWi)

Victoria Reichl, Head of Brussels Office

Horizon 2020 – Framework Programme for Research and Innovation (2014-2020)

Part I – Excellent Science

1. European Research Council (ERC)

2. Future and Emerging Technologies (FET)

3. Marie Skłodowska-Curie Actions (MSCA)

4. European Research Infrastructures, including e-infrastructures

Part II – Industrial Leadership

1. Leadership in Enabling & Industrial Technologies (LEIT)

- Information and Communication Technologies
- Nanotechnologies, Advanced Materials, Advanced Manufacturing and Processing and Biotechnology
- Space

2. Access to Risk Finance

3. Innovation in SMEs

Part III – Societal Challenges

1. Health, demographic change and wellbeing
2. Food security, sustainable agriculture, marine, maritime and inland water research and the bioeconomy
3. Secure, clean and efficient energy
4. Smart, green and integrated transport
5. Climate action, environment, resource efficiency and raw materials
6. Inclusive, innovative and reflective societies
7. Protecting freedom and security

Part IV
Spreading excellence & widening participation

Part V
Science with & for Society

Non-nuclear direct actions of the Joint Research Centre (JRC)

The European Institute of Innovation and Technology (EIT)

Horizon Europe – 9th Framework Programme for Research and Innovation (2021-2027)



Pillar I – Excellent Science

1. European Research Council (ERC)
2. Marie Skłodowska-Curie Actions (MSCA)
3. Research Infrastructures



Pillar II – Global Challenges & European Industrial Competitiveness

1. Thematic clusters
 - Health
 - Culture, creativity and inclusive Society
 - Civil Security for Society
 - Digital, Industry and Space
 - Climate, Energy and Mobility
 - Food, Bioeconomy, Natural Resources, Agriculture and Environment
 - Non-nuclear direct actions of the Joint Research Centre (JRC)



Pillar III – Innovative Europe

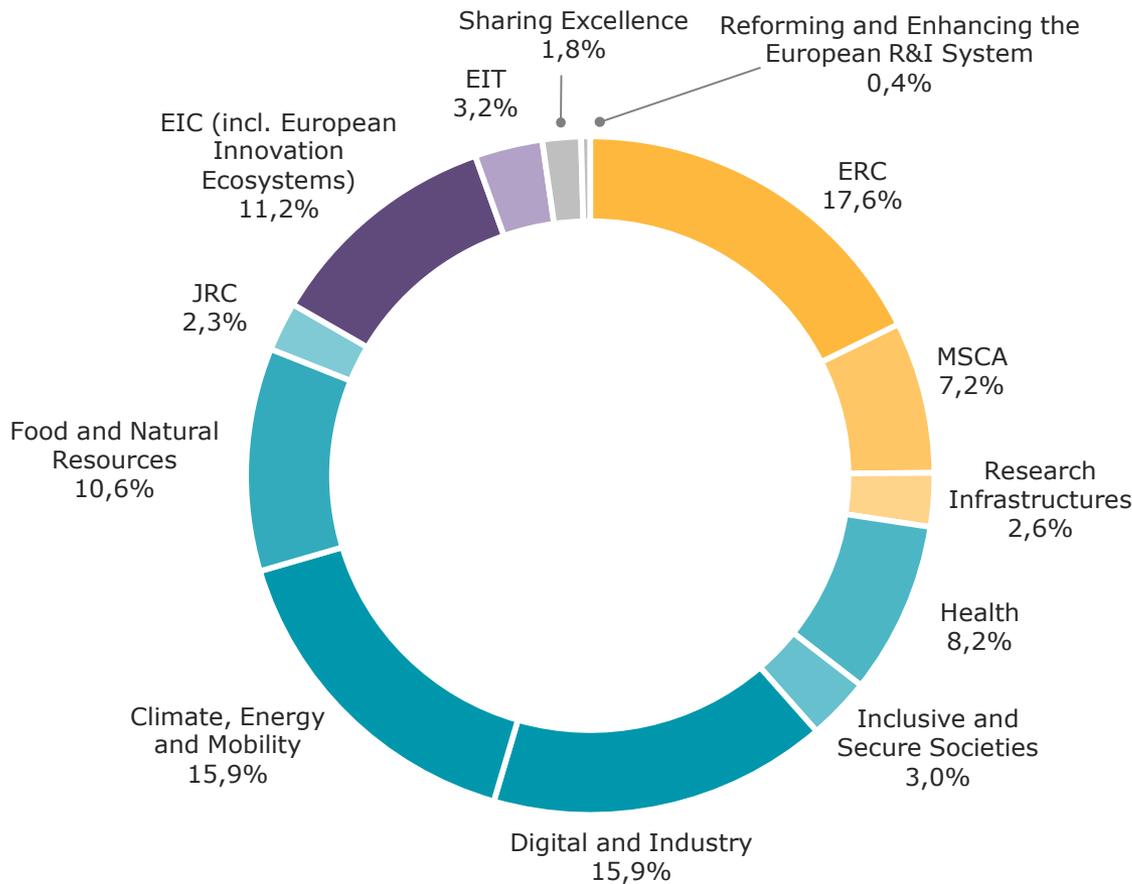
1. European Innovation Council (EIC)
2. European Innovation Ecosystems
3. European Institute of Innovation and Technology (EIT)

Widening participation and strengthening the European Research Area

Widening Participation and Sharing Excellence

Reforming and Enhancing the European Research and Innovation System

Horizon Europe: Budget – Distribution (COM Proposal)



Open Science
25,8 Mrd. EUR • 28%

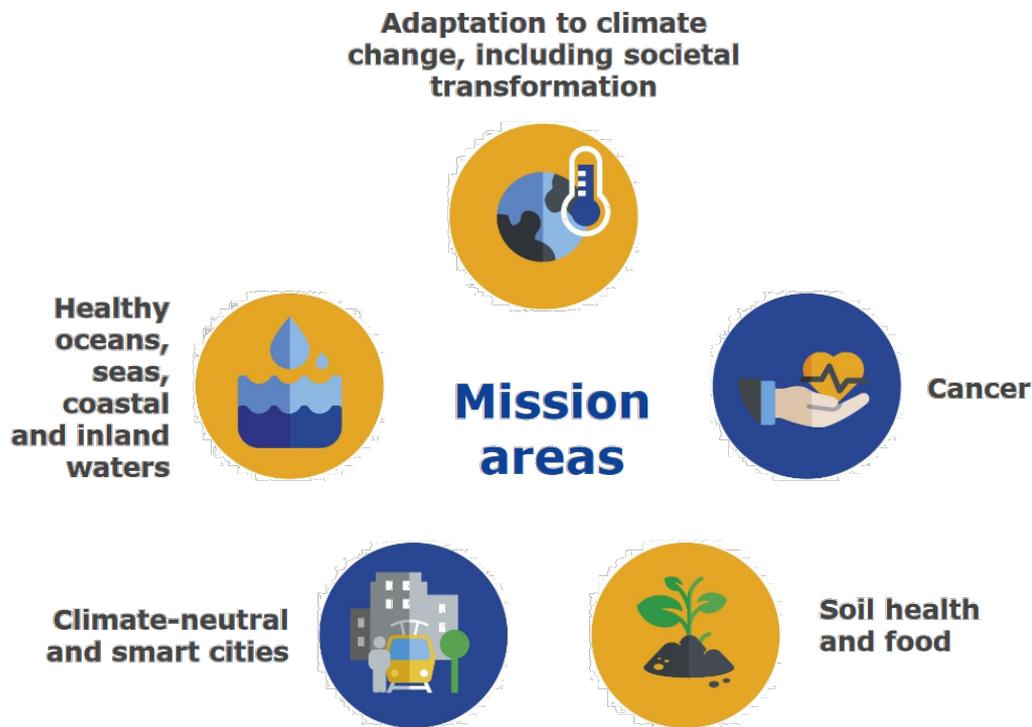
Global Challenges & Industrial Competitiveness
52,7 Mrd. EUR • 56%

Open Innovation
13,5 Mrd. EUR • 14%

Strengthening the European Research Area
2,1 Mrd. EUR • 2%

Sum total: 94,1 Mrd. EUR

Missions



*"A mission is **a portfolio of actions** across disciplines intended to achieve a **bold and inspirational and measurable goal** within a set timeframe, with **impact** for society and policy making as well as relevance for a significant part of the European population and wide range of European citizens."*

European Commission

European Partnership Areas*

| Partnership Areas | |
|---------------------|--|
| Partnership Area 1: | Faster development and safer use of health innovations for European patients, and global health |
| Partnership Area 2: | Advancing key digital and enabling technologies and their use, including but not limited to novel technologies such as Artificial Intelligence, photonics and quantum technologies |
| Partnership Area 3: | European leadership in Metrology including an integrated Metrology system |
| Partnership Area 4: | Accelerate competitiveness, safety and environmental performance of EU air traffic, aviation and rail |
| Partnership Area 5: | Sustainable, inclusive and circular bio-based solutions |
| Partnership Area 6: | Hydrogen and sustainable energy storage technologies with lower environmental footprint and less energy-intensive production |
| Partnership Area 7: | Clean, connected, cooperative, autonomous and automated solutions for future mobility demands of people and goods |
| Partnership Area 8: | Innovative and R&D intensive small and medium-sized enterprises |

*CU, Horizon Europe, 27. March 2019

“European Universities” (EUN)

- 2 pilot rounds of applications EUN in 2019 and 2020:
 - Budget €30M, maxi €5M/consortium for 3 years
 - 54 proposals, 300 HEIs from 31 countries
 - 80% of consortia include 5-8 partners
 - 17 projects selected in June 2019 will get funding
 - relatively few universities of applied science
- Topping-up by national funding in Germany (€7M/year) for HEIs that were approved but not funded at EU level
- Second round of applications (deadline early 2020 ?)

Important Documents

- **“Common understanding”**

Proposal for a REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL establishing Horizon Europe - the Framework Programme for Research and Innovation, laying down its rules for participation and dissemination - Common understanding

- **The Commission's proposal for Horizon Europe**

https://ec.europa.eu/info/horizon-europe-next-research-and-innovation-framework-programme/commissions-proposal-horizon-europe_en

Recommendations (1)

- European collaborative funding is an important instrument for the internationalisation of universities. Collaborative EU-projects provide valuable networks, but also deliver on scientific results like publications. They stimulate innovation and entrepreneurship at the institution. Institutions need to provide excellent management support to reserachers who want to engage.
- A longer-term employment perspective for the research management experts helps to build up reliable and professional services for researchers and will thus motivate more of them to engage in EU-projects.

Recommendations (2)

- In order to stimulate their participation in the Framework Programme institutions should provide incentives to researchers: support for travel and meeting with partners, financial support for a coordinator, provision of teaching support, assistance for the dissemination of results and general science communication.
- European funding does not only bring networks and financial support, but also stimulates certain standards and best practices: open access and data management policies, a fruitful research environment („Charta for Researchers“, HRS4R,...), professionalisation of university management. Universities could also use their EU-engagement for the promotion of internal reforms within the institution.

Recommendations (3)

- Universities should identify their strengths and weaknesses and could analyse which type of projects (CSA, Innovation Actions,..) best fit their own purpose.
- The wide spectrum of European Partnerships (e.g. Joint Undertakings) should be thoroughly analysed: profile of the university, regional specialisation, potential match with national or regional programmes („Synergy labels“)
- The Infodays organised by the European Commission should be actively used for the building up of networks and for partner search for specific calls. The “Key Impact Pathway Indicators“ which will be used for the evaluation of proposals submitted to Horizon Europe should be carefully analysed in advance. Certain other aspects of EU proposals can also be prepared in advance.

Recommendations (4)

- National offices in Brussels and their staff can support your networking and help promoting your research area, your institution or e.g. the CARPE network.
See IGLO website: <http://www.iglortd.org/>
- Institutions should reflect on an institutional Open Science strategy and on the ethical requirements for EU projects.
- They should collaborate with their their national support system, like the National Contact Points with the EU and tell them what they need.
- They should engage in EU consultations, attend the Research and Innovation days, meet experts of the EU and think of playing an active role in EU project evaluations.

Recommendations (5)

- Last but not least:

Make your voice as a researcher, or a group of researchers,
heard in Brussels!

Many others do it already.

Kontakt



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