



EU Framework Programmes for Research and Innovation

Open to the World

*Euraxess Diaspora Meeting
December 2018*



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HORIZON 2020



HORIZON 2020

**The EU's programme
for research & innovation
€77 billion over 7 years
2014-2020**



What is Horizon 2020?

- Investing in future jobs and growth
- Addressing people's concerns about their livelihoods, safety and environment
- Strengthening the EU's global position in research, innovation and technology

– OPEN TO THE WORLD!

Why International Cooperation?

- It offers economies of scale and scope
- Provides access to expertise, equipment and facilities
- Builds networks and alliances
- Offers opportunities for businesses and commercialization
- Career Development
- Cross disciplinary and Cross border fertilization of ideas

International cooperation is essential to tackle Global Societal Challenges

Cooperative Research Projects

- **Societal Challenges**
 - Health, demographic change and wellbeing
 - Food security, sustainable agriculture, marine and maritime research & the bioeconomy
 - Secure, clean and efficient energy
 - Smart, green and integrated transport
 - Climate action, resource efficiency and raw materials
 - Inclusive and reflective societies
 - Secure societies
-
- **Enabling and Industrial Technologies**
 - ICT, nanotechnologies, materials, biotechnology, manufacturing, space

Success story EU-US cooperation project - Atlantic

An integrated observing system for the Atlantic Ocean

Buoys, floats, moorings and research vessels, to name just a few examples - data about the state of the Atlantic is collected by a number of means. And by a profusion of actors, who could jointly produce even better results if they applied a common strategy. EU-funded researchers are driving the development of an integrated system.



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Project details

Project acronym:
AtlantOS

Participants: Germany (Coordinator), UK, Ireland, Denmark, France, Poland, Norway, Spain, Portugal, Netherlands, Faroe Islands, Belgium, Italy, Croatia, Canada, Brazil, United States, South Africa

Total costs:
€ 20 652 921

EU contribution:
€ 20 652 921

Duration:
April 2015 to June 2019



Marie Skłodowska-Curie Actions



ITN Innovative Training Networks

What does it offer?

High-quality research training delivered through international and interdisciplinary networks, industrial doctorates or joint doctorates

Who applies?

International networks of research organisations from the academic and non-academic sectors

Who is funded?

Researchers at doctoral level (less than four years of full-time research experience and no doctoral degree)



IF Individual Fellowships

What does it offer?

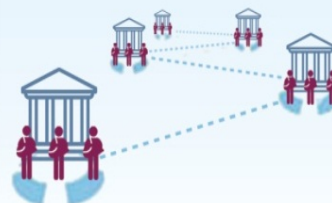
Opportunities to work on personal research projects by moving between countries and possibly sectors to acquire new skills

Who applies?

Individual researchers together with the host organisation

Who is funded?

Postdoctoral researchers



RISE Research and Innovation Staff Exchange

What does it offer?

The exchange of staff members involved in research and innovation to develop sustainable collaborative projects and the transfer of knowledge

Who applies?

International networks of research organisations from the academic and non-academic sectors

Who is funded?

Researchers, technical, administrative and managerial staff of any nationality and at all career levels



COFUND Co-Funding of Regional, National and International Programmes

What does it offer?

Regional, national or international programmes to foster excellence in researchers' training, mobility and career development

Who applies?

Organisations funding or managing doctoral programmes or fellowship programmes

Who is funded?

Researchers at doctoral and postdoctoral level

European Research Council



European Research Council
Established by the European Commission

Starting Grants

starters
2-7 years after PhD
($\geq 50\%$ commitment)
up to €1.5 Million
for 5 years

Consolidator Grants

consolidators
7-12 years after PhD
($\geq 40\%$ commitment)
up to €2 Million
for 5 years

Advanced Grants

track-record of
significant research
achievements in the
last 10 years
($\geq 30\%$ commitment)
up to €2.5 Million
for 5 years

Synergy Grants

2 – 4 Principal Investigators
up to € 14.0 Mio for 6 years

Funding

- Not available, as a rule, to participants from non-European industrialized countries in collaborative research projects
- **Exceptions:**
 - Health Research (for the USA)
 - Research Infrastructure Integrating Activities
 - *Ad hoc* exceptions
 - Subcontractors
- Individual grants/ fellowships from ERC and MSCA can be granted to researchers of any nationality.

Commission proposal for **Horizon Europe**

THE NEXT EU RESEARCH & INNOVATION
PROGRAMME (2021 – 2027)

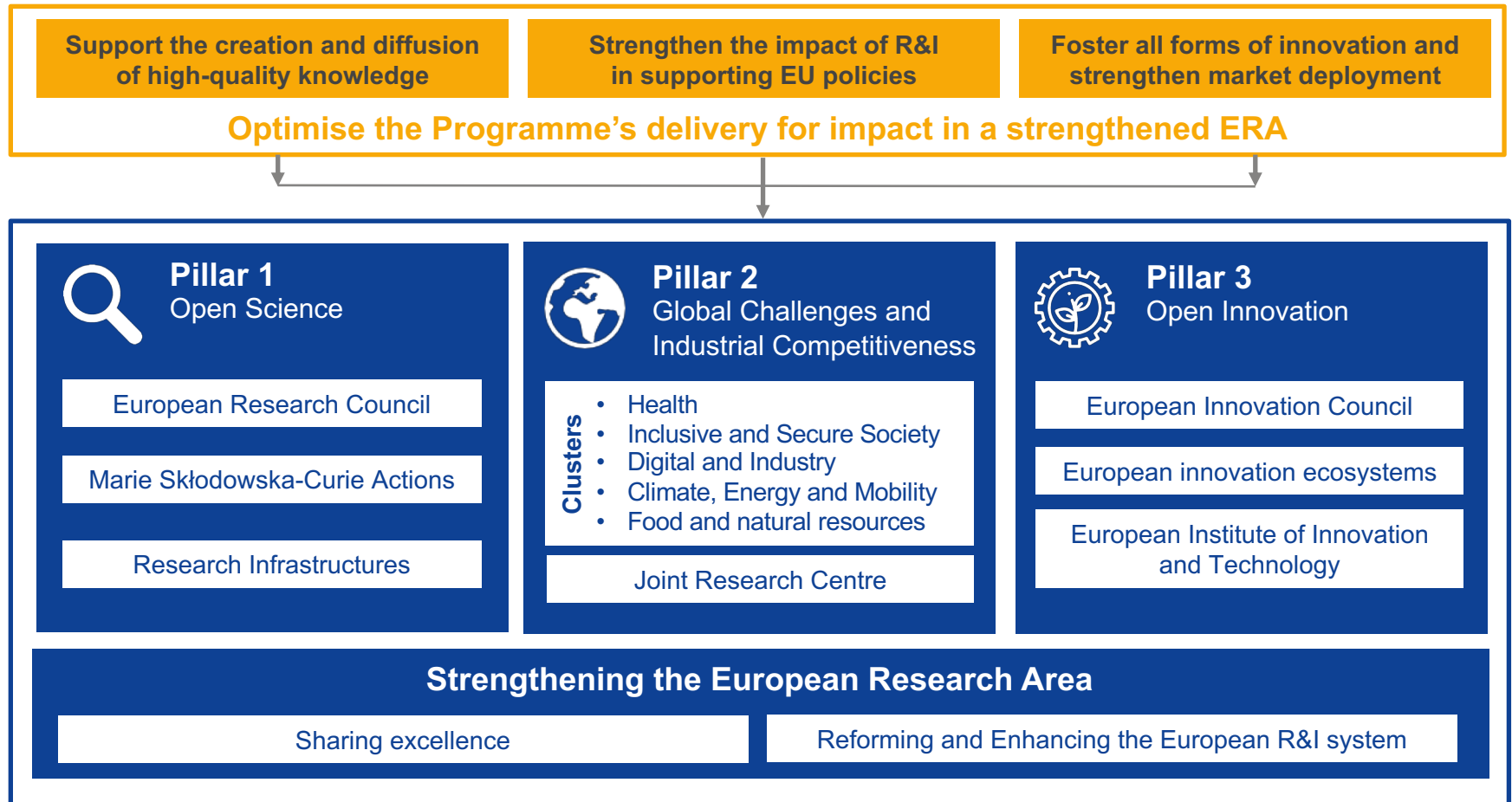
#HorizonEU



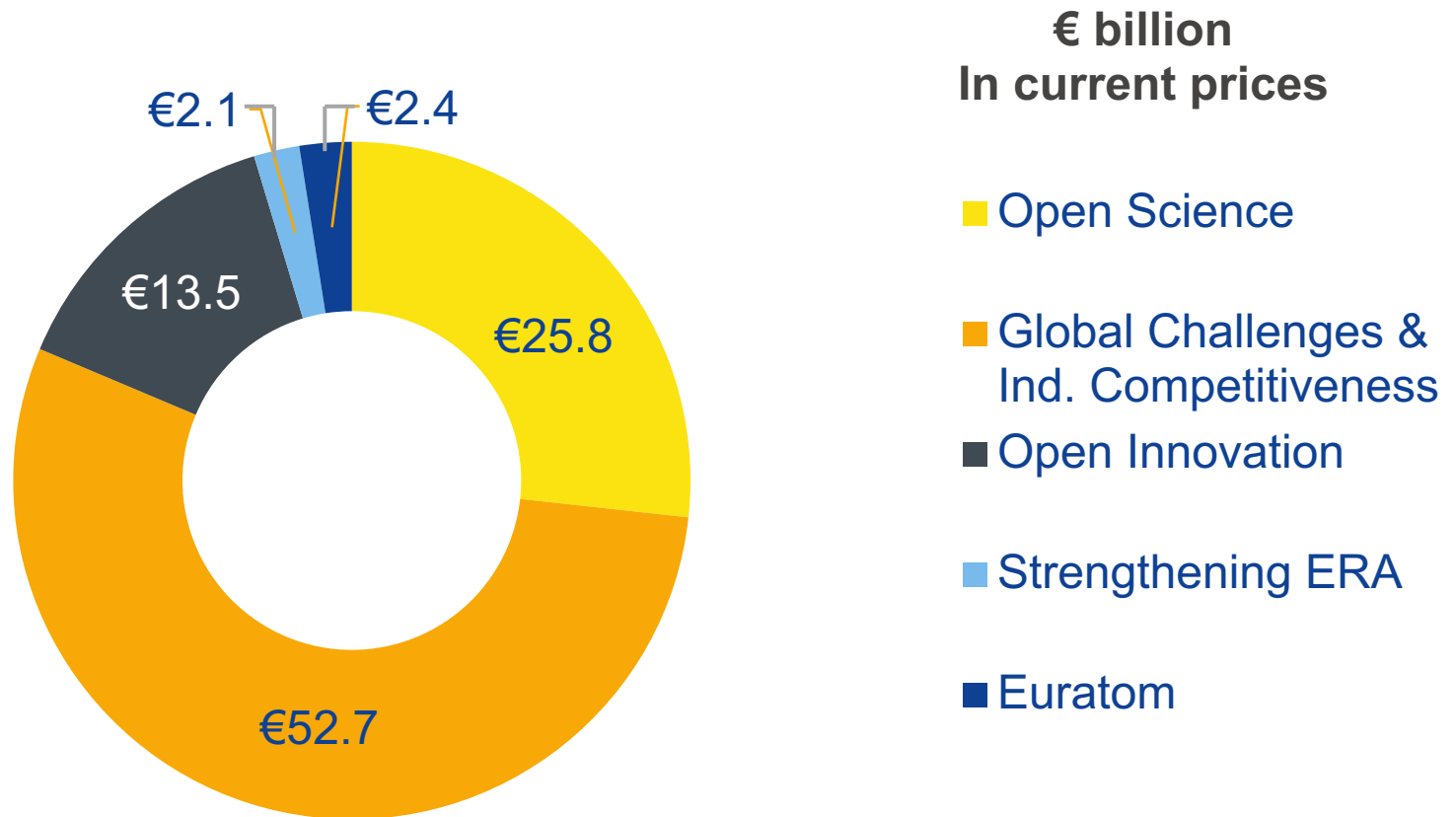
This presentation does not engage the European Commission.
Please refer to official documents

Horizon Europe: evolution not revolution

Specific objectives of the Programme



Budget: €100 billion* (2021-2027)



* This envelope includes EUR 3.5 billion allocated under the InvestEU Fund.



International Cooperation

International Cooperation

Tackling together global societal challenges; access to the world's best talents, expertise and resources; enhanced supply and demand of innovative solutions

Extended openness to association

- Third countries with good capacity in science, technology and innovation
- Taking into account objective of driving economic growth in Europe through innovation
- General opening for international participation
- Intensified targeted actions (flagship initiatives, joint calls, etc.)

Thank you!

#InvestEUresearch

www.ec.europa.eu/research

Participant Portal www



For further information

- **Horizon 2020 Funding and Tender Opportunities**
<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/programmes/h2020>
- **Helpdesk**
<http://ec.europa.eu/research/enquiries>
- **National Contact Points**
http://ec.europa.eu/research/participants/portal/desktop/en/support/national_contact_points.html
- **Expert evaluators needed!**
<http://ec.europa.eu/research/participants/portal/desktop/en/experts/index.html>
- **Learn more about Horizon 2020**
<https://ec.europa.eu/programmes/horizon2020/en/>
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https://ec.europa.eu/info/designing-next-research-and-innovation-framework-programme/what-shapes-next-framework-programme_en

THANK YOU!