
European Funding for Research and Cooperation

Academic Cooperation and Research Support Office
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Geospacial Technologies and Remote Sensing
for Monitoring SDGs

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Content

- International mobility through the Erasmus + Program
- International Cooperation in Horizon 2020
- The structure and rules of Horizon 2020
- Ethical Issues
- Open Access to Publications and Research Data

Centralized Actions

D. G. Education and Culture – Erasmus +

D. G. Research and Innovation – Horizon 2020 Program

Erasmus + Individual Mobility Grants

For students on all levels and staff mobility between HE institutions

Basis: credit mobility

Eligibility outside the EU “Partner countries”:

Regions: - 1: Western Balkans (countries without a National Agency)

- 2: Neighbouring countries in Eastern Europe
- 3: Neighbouring countries in the Southern Mediterranean
- 4: Russia
- 5: Asia
- 6: Central Asia
- 7: Latin America
- 8: Iran, Iraq, Yemen
- 9: South Africa - 10: ACP countries

Who has Erasmus Charter for Higher Education and how to apply

https://eacea.ec.europa.eu/erasmus-plus/funding/erasmus-charter-for-higher-education-2014-2020_en

FAQ: http://ec.europa.eu/programmes/erasmus-plus/sites/erasmusplus/files/library//mobility-faqs_en.pdf

European
Commission

The EU Framework Programme
for Research and Innovation

HORIZON 2020



**The biggest EU Research and
Innovation programme ever**

Nearly €80 billion of funding

Runtime: 7 years (2014-2020)

National Contact Points (NCPs)

The network of National Contact Points (NCPs) provide guidance, practical information and assistance on all aspects of participation in Horizon 2020. NCPs are also established in many **non-EU** and **non-associated** countries ("third countries").

List:

http://ec.europa.eu/research/participants/portal/desktop/en/support/national_contact_points.html

Is my organization eligible?

Country where organisation is legally registered

Beneficiary register contains all organisations participating in the EU research and innovation or education, audiovisual and cultural programmes.

Registered organisations receive a 9-digit **Participant Identification Code (PIC)**.

How to register and list of registered organizations:

<https://ec.europa.eu/research/participants/portal/desktop/en/organisations/register.html>

Global Partnerships

EU countries and Associated Countries can participate under the same conditions:

As of May, 2016 Iceland, Norway, Albania, Bosnia and Herzegovina, the former Yugoslav Republic of Macedonia, Montenegro, Serbia, Turkey, Israel, Moldova, Switzerland (partial association, see below), Faroe Island, Ukraine, Tunisia, Georgia, Armenia

Developing Countries can participate based on bi-lateral agreements or if explicitly mentioned in the call text

Industrial countries US, Canada, South Korea, Japan, Australia and **emerging economies** – Brazil, Russia, India, China, South Africa, Mexico - funding is not automatic

Eastern Partnership Countries EaP (D.G. External Action provides specific institution building programs through National Contact Points) -- *Armenia, Azerbaijan, Belarus, Georgia, the Republic of Moldova and Ukraine*

International organisations based on bi-lateral and multi-lateral partnership agreements

https://ec.europa.eu/research/participants/data/ref/h2020/other/wp/2016-2017/annexes/h2020-wp1617-annex-a-countries-rules_en.pdf

http://ec.europa.eu/research/participants/docs/h2020-funding-guide/cross-cutting-issues/international-cooperation_en.htm#countries

Some key concepts

- Open call for proposals
- Top down and bottom up approach
- Evaluation criteria
- Institutional evaluation – legal signatory and PIC Code
- Beneficiary, Coordinator, Partner
- Global Partners
- Direct and indirect costs, “intensity” of funding
- Participant Portal

Characteristics of researchers

- Key criteria: excellence (peer reviewed publications and projects)
- Project management skills
- Openness ~ involvement in networks
- Knowledge of English
- Perception of administrative burden
- Social involvement

International Cooperation in Science and Technology - Horizon 2020

Spreading Excellence Pillar – research to be carried out in EU by individuals

- Future Emerging Technologies (FET)
- Marie Skłodowska-Curie
 - Individual
 - Research and Innovation Staff Exchange (RISE)

Trans-national Projects (Societal Challenges)

- Topics for international cooperation

Spreading Excellence Pillar: Future and Emerging Technologies (FET)

The FET programme has three complementary lines of action to address different methodologies and scales, from new ideas to long-term challenges:

- **FET Open** funds projects on new ideas for radically new future technologies, at an early stage when there are few researchers working on a project topic. This can involve a wide range of new technological possibilities, inspired by cutting-edge science, unconventional collaborations or new research and innovation practices.
- **FET Proactive** nurtures emerging themes, seeking to establish a critical mass of European researchers in a number of promising exploratory research topics. This supports areas that are not yet ready for inclusion in industry research roadmaps, with the aim of building up and structuring new interdisciplinary research communities.
- **FET Flagships** are 1-billion, 10-years initiatives where hundreds of excellent European researchers unite forces to focus on solving an ambitious scientific and technological challenge, like understanding the Human Brain or developing the new materials of the future, such as Graphene.

<http://ec.europa.eu/programmes/horizon2020/en/h2020-section/future-and-emerging-technologies>

Newsletter Digital Agenda for Europe:

http://ec.europa.eu/information_society/newsroom/cf/dae/subscription-quick-generic-form-fullpage.cfm?service_id=129

Spreading Excellence Pillar: Marie-Sklodowska Curie

Individual Fellowships

- European Fellowship
 - Fellow moves country to take up fellowship in Europe, Individuals from any country or rest of the world (12-24 months)
- Global Fellowships
 - Fellow from Europe to any country outside Europe (12-24 months) with mandatory return year in Europe

Spreading Excellence Pillar: Marie-Sklodowska Curie

Research & Innovation Staff Exchange (RISE)

Open to universities, research centers, companies

At least 3 institutions from any 3 countries, but funding for EU and Associated countries only

Max. 4 year-long projects for short term (1-12 months) staff exchanges between academic/non-academic sectors

Societal Challenges: Trans-national Collaborative Research Projects under Horizon 2020

Health: €7.5bn - Health, demographic change and wellbeing **Food**

Security: €3.9bn - Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bio-economy

Energy: €5.9bn - Secure, clean and efficient energy

Transport: €6.4bn - Smart, green and integrated transport

Climate Action: €3.1bn - Climate action, environment, resource efficiency and raw materials

Societies: 1.3bn - Europe in a changing world – inclusive, innovative and reflective societies (IIS)

Security: €1.7bn - Secure societies

Open Access to scientific publications – obligatory

Open access is the practice of providing on-line access to scientific information that is free of charge to the end-user and that is re-usable.

Green open access self-archiving in an on-line depository alongside a peer-reviewed publication (can be delayed)

Gold open access – publication is immediately provided in open access mode

The guidelines on Open Access to Publications and Research Data can be accessed at:

http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/oa_pilot/h2020-hi-oa-pilot-guide_en.pdf (updated February 2016)

Open Access to research data – pilot

Concept refers to the right to access and re-use digital research data openly accessible, reproduced and disseminated free of charge for the user.

National and institutional policies must be established – pilot

Data Management Plan (in Grant Contract)

- Data management life-cycle
- Type of data to be collected
- Standards to be used
- Accessibility
- Duration
- Curation
- Presentation

The guidelines on Data Management can be accessed at:

http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/oa_pilot/h2020-hi-oa-data-mgt_en.pdf

Ethics Appraisal

- All the research and innovation activities carried out under Horizon 2020 **shall comply with ethical principles and relevant national, Union and international legislation**, including the Charter of Fundamental Rights of the European Union and the European Convention on Human Rights and its Supplementary Protocols.
- **Particular attention shall be paid to** the principle of proportionality, the right to privacy, the right to the protection of personal data, the right to the physical and mental integrity of a person, the right to non-discrimination and the need to ensure high levels of human health protection.
- Institutions eligible for funding are expected to set up their own research ethics procedures, which are in line with national and EU regulations.

Ethics Appraisal

Focus of assessment

- Human Protection (including the study participants and the researchers)
- Animal Protection and Welfare
- Data protection and privacy
- Environment protection
- Third countries (global partners)
- Dual use, misuse/malevolent use of research results

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