

HORIZON 2020

The EU Framework Programme for Research and Innovation

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REGIONAL REPRESENTATIVE
EURAXESS NORTH AMERICA

EURAXESS – Researchers in Motion

- **is a unique pan-European initiative providing access to a complete range of information and support services to researchers wishing to pursue their research careers in Europe or with European partners;**

EURAXESS North America

- news & events;
- information on European R&I Framework Programme and Policies;
- collaboration & hosting opportunities;
- information on career development and funding (flashnotes, social media)

EURAXESS North America links researchers in North America with the European Research Area. We provide free information and events on research funding, research careers and collaboration opportunities

What is Horizon 2020?



**The EU's programme
for research & innovation
2014-20**

€77 billion over 7 years

- 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

Three Priorities



Priority 1. Excellent Science

€24 billion, 2014-2020

<i>European Research Council (ERC)</i>	13.10
<i>Future and Emerging Technologies</i>	2.59
<i>Marie Skłodowska-Curie actions (MSCA)</i>	6.16
<i>Research Infrastructures including e-infrastructures</i>	2.39

Marie Skłodowska-Curie actions (MSCA)

- **Innovative Training Networks (ITN)**

2017: € 430 mio. deadlines 10 Jan

- Doctoral and initial training of researchers proposed by international networks of organisations from public and private sectors

- **Individual Fellowships (IF)**

2017: € 248 mio. deadlines 14 Sep

- Individual fellowships for most promising experienced researchers to develop their skills through international or inter-sector mobility

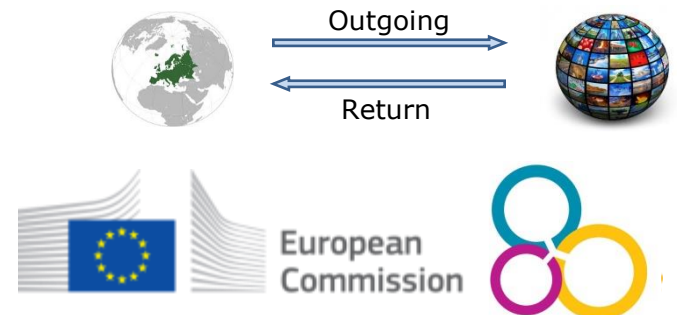
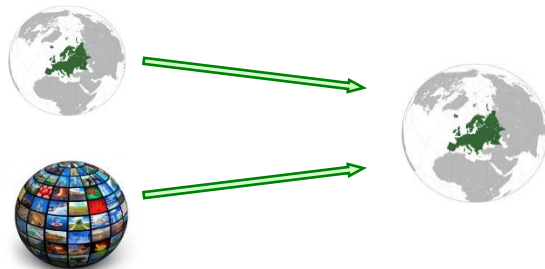
- **R&I Staff Exchange (RISE)**

2017: € 80 mio. deadlines 05 Apr

- International and inter-sector cooperation through the exchange of research and innovation staff

Individual Fellowships (IF)

- ✓ Enhance the creative and innovative potential of **experienced researchers**
- ✓ Provide opportunities to **acquire new knowledge, work on research projects in a European context or outside Europe**
- ✓ Catalyse significant **development in their careers** in both sectors
- ✓ **Optional 3-6 month secondments** anywhere in Europe to increase fellowship impact, especially on non-academic sector
- ✓ **Budget: €248.7 million** in 2017 (Global Fellowships: €33.7 million)



MSCA Financial Overview

ITN	Research, networking, training costs	1800 €	Living allowance*	3110 €
	Management and indirect costs	1200 €	Mobility allowance	600 €
IF	Research, networking, training costs	800 €	Family allowance	500 €
	Management and indirect costs	500 €	Living allowance*	4650 €
			Mobility allowance	600 €
COFUND	Management costs	325 €	Living allowance Early-stage researchers	1855 €
			Living allowance Experienced researchers	2625 €
RISE	Research, networking, training costs	1800 €	Top-up allowance	2000 €
	Management and indirect costs	700 €		

* The living allowance base rate is multiplied by a Country Correction Coefficient



MSCA Calls 2017

Total 2017: €839 million

ITN	15/09/2016 – 10/01/2017	EUR 430 million
IF	11/04/2017 – 14/09/2017	EUR 248.70 million
COFUND	05/04/2017 – 28/09/2017	EUR 80 million
RISE	01/12/2016 – 05/04/2017	EUR 80 million



European
Commission



European Research Council

ERC calls are open to researchers of any nationality, age or current place of work in the world (with at least 50% of work time in Europe)

ERC offers independence, recognition & visibility

- to work on a research topic of own choice, with a team of own choice
- to gain true financial autonomy for 5 years
- to negotiate with the host institution the best conditions of work
- to attract top team members (EU and non-EU) and collaborators
- to move with the grant to any place in Europe if necessary (portability of grants)
- to attract additional funding and gain recognition; ERC is a quality label

European Research Council

Starting Grants

starters (2-7 years
after PhD)
up to € 2 Mio for 5
years

Consolidator Grants

consolidators (7-12
years after PhD) up
to € 2.75 Mio for 5
years

Advanced Grants

track-record of
significant
research
achievements in
the last 10 years
up to € 3.5 Mio for 5
years

Proof-of-Concept

bridging gap between research - earliest
stage of marketable innovation
up to €150,000 for ERC grant holders
for 18 months

Synergy Grants

Up to € 10 Mio for up to 6 years
1-4 PIs

Attracting researchers to Europe

Flexibility

- **Additional ‘start-up’ funding for scientists moving to Europe** (€500 000 for Starting, €750 000 for Consolidator and €1 Mio for Advanced grantees)
- **Grantee can keep affiliation with home institute outside Europe** (‘significant part’ of work time in Europe, at least 50%)
- **Team members can be based outside Europe**
- **Grantee can move within Europe with the grant**

ERC open and upcoming calls

ERC calls	Budget	Call Opening	Submission Deadline(s)
Starting Grants ERC-2017-StG	605 M€	26 July 2016	18 October 2016
Consolidator Grants ERC-2017-CoG	575 M€	20 October 2016	9 February 2017
Advanced Grants ERC-2017-AdG	567 M€	16 May 2017	31 August 2017
Synergy Grants ERC-2018-SG	20 M€	19 July 2017	14 Novemb 2017

Priority 2. Industrial Leadership

€17 billion, 2014-2020

<i>Leadership in enabling and industrial technologies (LEITs)</i> ICT, nanotechnologies, materials, biotechnology, manufacturing, space	13.04
<i>Access to risk finance</i> Leveraging private finance and venture capital for research and innovation	2.84
<i>Innovation in SMEs</i> Fostering all forms of innovation in all types of SMEs	0.62

Priority 3. Societal Challenges

€29.7 billion, 2014-2020

<i>Health, demographic change and wellbeing</i>	7.26
<i>Food security, sustainable agriculture, marine and maritime research & the bioeconomy</i>	3.71
<i>Secure, clean and efficient energy</i>	5.69
<i>Smart, green and integrated transport</i>	6.15
<i>Climate action, resource efficiency and raw materials</i>	2.96
<i>Inclusive and reflective societies</i>	1.26
<i>Secure societies</i>	1.61

Rules of Participation

Minimum Conditions:

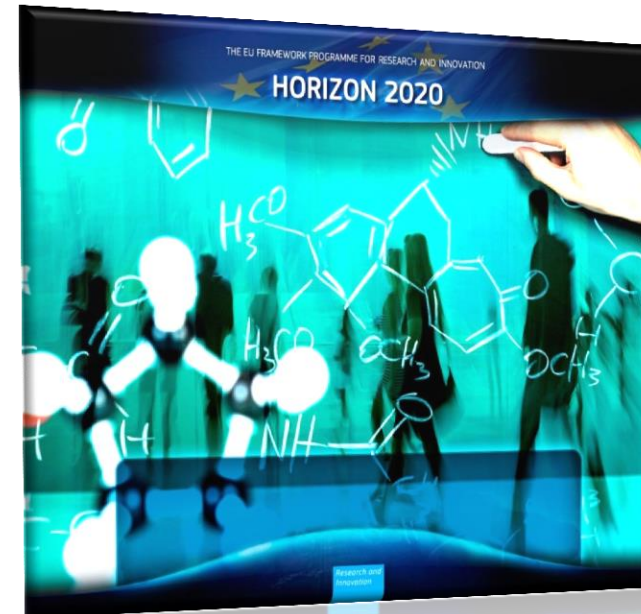
▪For standard (collaborative) research projects:

- 3 participants from different Member States or associated countries

In addition, participants from any other country in the world can also be included

▪For actions aimed at individuals, like European Research Council or Marie Skłodowska-Curie:

- 1 researcher
- 1 host institution
- 1 project



Eligibility for funding depends on country

- List of **third countries eligible for funding (Developing Countries)** (see General Annexes in Work programme)
- **No automatic funding** for entities from **industrialised countries (USA)** and **BRIC** (Brasil, Russia, India, China) and **Mexico**
- Only eligible for funding, if
 - **specified in the Work Programme** or
 - **participation deemed essential** for the project (outstanding competence/expertise, access to research infrastructure, access to particular geographical environments, access to data) or
 - **bilateral agreement** between the EU and the respective country

US-partners are eligible under all topics in calls of the Societal Challenge 'Health, demographic change and well-being'.

NEW for US-Partners



Facilitates cooperation between US organizations and Horizon 2020 participants. The aim of the arrangement is to enable US researchers to cooperate with Horizon 2020 projects outside the framework of the grant agreement, and to increase cooperation in research projects.

HORIZON 2020



An FAQ on this EU-US Implementing Arrangement has now been prepared by the EC services, in cooperation with their US counterparts, and can be found here:

http://ec.europa.eu/research/is_cp/pdf/eu-us_coop_faq.pdf

H2020 Work Programme 2016-17

- ✓ Published 14 Oct 2015
- ✓ 30% of topics flagged for **international cooperation**
- > **50 topics specifically relevant to U.S.**
- ✓ **Special focus areas:** € 1040 million

<i>Industry 2020 in the Circular Economy</i> Pilots, factories of the future, sustainable process industries	353.5 (2016) 316 (2017)
<i>Internet of things</i>	104 (2016) 35 (2017)
<i>Smart and sustainable cities</i>	120 (2016) 111.5 (2017)

Current U.S. participation in Horizon 2020

- According to the Cordis database there are 83 signed H2020 Projects with 387 U.S. participants entitled to receive around 37.639 mio € from the EC

EU-Performance Monitor: Horizon 2020²

All Horizon 2020 -figures as of 31.05.2016-

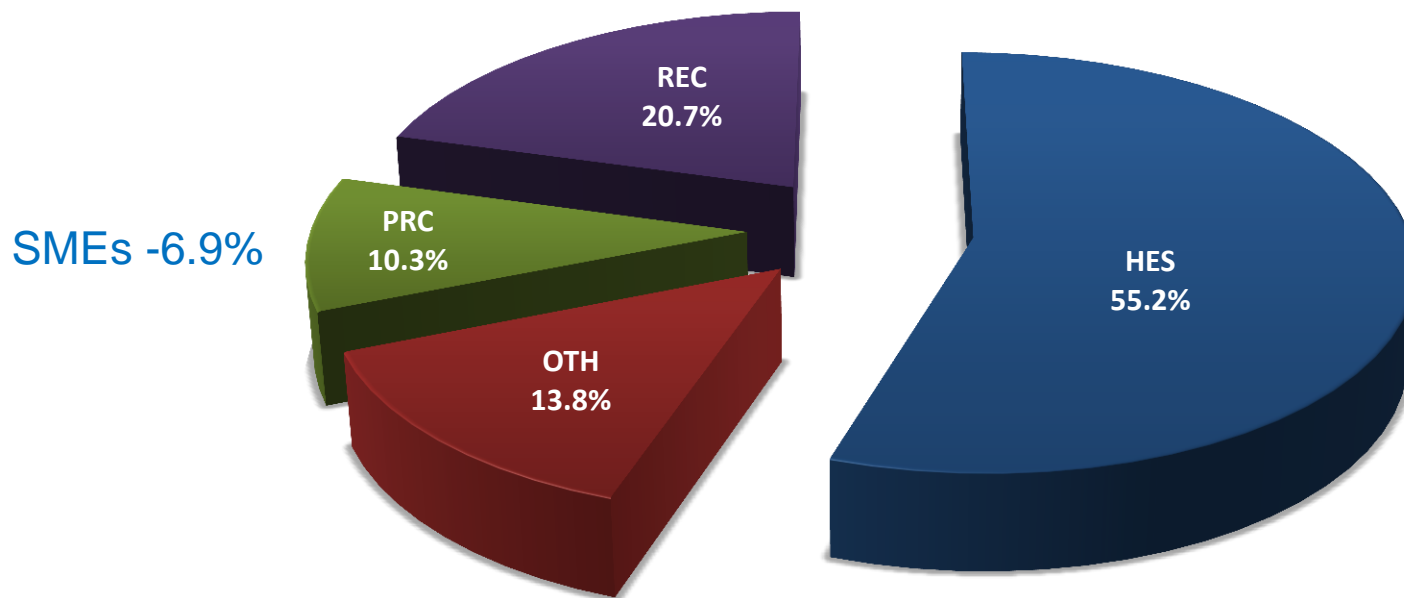
PROJECTS	PARTICIPATION	EC CONTRIBUTION
9.131	38.495	15.979,8 Mio. €

United States (US) in H2020

PROJECTS	PARTICIPATION	EC CONTRIBUTION
306 US participates in 3,4% of all H2020 Projects.	387 1% of all participation in submitted proposals.	37,6 Mio. € 0,2% of all EC contributions.

COORDINATION	PARTICIPATION IN GRANT AGREEMENTS	SUCCESS RATE
1 0% of all projects.	83 21,4% of participation from United States already signed the Grant agreements	16,6%

U.S. participants in H2020 projects by type



Higher or secondary education (HES)
Private for profit (excluding education) (PRC)
Public body (excluding research and education) (PUB)
Research organisations (REC)
Other (OTH)

Priority areas of EU-US STI cooperation

Priority areas of EU-US STI cooperation are:

1. Health Research

2. Marine and Arctic Research

3. **NMP** (Nanotechnologies, Materials and Production Technologies)

4. Transportation Research

- Health research is the leading priority area. 35 projects have already been launched, of which 28 are health research projects receiving funding from the EC in H2020.
- “Higher or Secondary Education Establishments” are the type of organizations that are counted most often in the priority areas.

Participation Possibilities



- **ERC grantees**
- **Marie Skłodowska-Curie Action**
- As fellows / associated partners / hosts
- **Collaborative projects**
- Full partner / third party / subcontractor in all areas of H2020
- **Research Partner under EU-US H2020 Implementing Arrangement**
- **Funding**
- Not available, as a rule, to participants from non-European industrialized countries
- **Exceptions:**
 - Health Research
 - Research Infrastructure Integrating Activities
 - *Ad hoc* exceptions
 - Subcontractors

Become an evaluator

All research proposals submitted to H2020 are peer reviewed by independent experts.

The EU is always interested to build up its database of potential expert evaluators, including from outside Europe.

Much of the evaluation process is done remotely and is paid.

If interested in applying:

<http://ec.europa.eu/research/participants/portal/desktop/en/experts/index.html>

Participant Portal – your one-stop shop

- Topics
- Documents
- Rules for participation
- Online manual
- E-submission

(A-Z) Sitemap About this site Contact Legal Notice English

RESEARCH & INNOVATION
Participant Portal

European Commission

European Commission > Research & Innovation > Participant Portal > Home

HOME FUNDING OPPORTUNITIES HOW TO PARTICIPATE EXPERTS SUPPORT

LOGIN REGISTER

Welcome to the Research and Innovation Participant Portal

About the Participant Portal:

The Participant Portal is your entry point for the electronic administration of EU-funded research and innovation projects. It hosts services for managing proposals and projects throughout their lifecycle.

The Participant Portal supports activities funded mainly by the following EU programmes:

- 7th Framework Programme for Research and Technological Development (FP7)
- Competitiveness and Innovation Framework Programme (CIP)

Using the Participant Portal:

As a guest user, browse the public pages to:

- search for funding opportunities
- download guidance and legal documents
- search for the participant identification code (PIC) of an organisation
- contact the FP7 support services and browse the FAQ for guidance on the Participant Portal tools

As a registered user, benefit from personalised services for proposal submission, negotiation, and project management.

WHAT'S NEW FUNDING OPPORTUNITIES HOW TO PARTICIPATE? WORK AS AN EXPERT ACCESS MY PERSONAL AREA INFORMATION AND SUPPORT

<http://ec.europa.eu/research/participants/portal>

HORIZON 2020

<http://ec.europa.eu/research/horizon2020>

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RESEARCHERS IN MOTION

Useful links

- **EURAXESS:** www.euraxess.org
- **Marie Skłodowska-Curie Actions:** <http://ec.europa.eu/research/mariecurieactions/>
- **European Research Council:** <http://erc.europa.eu/>
- **ERC Step by Step:** <https://vimeo.com/117398570>
- **Horizon 2020:** <http://ec.europa.eu/programme>

- **Projects Bilateral Transatlantic Cooperation with the EU**
 - **BILAT USA 4.0:** <http://www.euussciencetechnology.eu/>

- **Bridge between researchers and policy-makers in Europe**
 - **Voice of the Researchers:** <http://voice.euraxess.org/>



European Research Council





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THANK YOU