

EU Research & Innovation Funding Opportunities



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January 2016

- EURAXESS – Researchers in Motion initiative
- Horizon 2020 – The EU Framework Program for Research & Innovation
 - Overview (WP 2016-17)
 - Fellowships & Grants (MSCA, ERC)
 - U.S. Focus
 - Practical Information

How can EURAXESS help?



JOBS: helps you find jobs and funding opportunities



SERVICES: more than 500 people in 40 countries to assist you



RIGHTS: looks after your rights as a researcher



LINKS: connecting researchers of all nationalities abroad

EURAXESS Links North America

- **We work with:** researchers, diaspora networks, research administrators, universities, EU Delegations, EU embassies and consulates, European Commission, MSCA, ERC and bilateral projects
- **We offer:** quarterly newsletter, networking platforms, up-to-date information on EU fellowships and grants, events
- **You can join:** sign-up to our community online or mailing list, follow us on social media



ALL SERVICES ARE FREE

What is Horizon 2020?



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

€77 billion over 7 years

- Responding to the economic crisis to invest 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

H2020 Strategy & Approach

Aligned with EU policy priorities

Innovation & Industry focus

Partnership with Member States

Cross-cutting issues

Two-year work programmes

Open to the world

- ✓ **General**
- ✓ **Specific targeting of topics for partner countries**



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)**

2016/ 2017: € 370 / 430 mio. deadlines 12 Jan/ 10 Jan

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

- **Individual Fellowships (IF)**

2016/ 2017: € 218.5 / 248 mio. deadlines 14 Sep / 14 Sep

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

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

2016/ 2017: € 80 / 80 mio. deadlines 28 Apr / 05 Apr

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

Individual Fellowships (IF)



European Fellowships



For fellows coming to or moving within Europe (12-24 months)

Global Fellowships



For fellows from Europe going to Third countries (12-24 months) and returning (12 months)

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 € 2.0m for 5
years

€ 485m 2016
Deadline: 17 Nov
2015

**Consolidator
Grants**
consolidators (7-12
years after PhD)
up to € 2.75m for
5 years

€ 605m 2016
Deadline: 2 Feb
2016

Advanced Grants
significant research
achievements in
the last 10 years
up to € 3.5m for 5
years

€ 540m 2016
Deadline: 1 Sept
2016

Proof-of-Concept

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

€ 20m 2014 Deadline: 16 Feb/26 May/4
Oct 2016

Priority 2. Industrial Leadership

€17 billion, 2014-2020

<p><i>Leadership in enabling and industrial technologies (LEITs)</i> ICT, nanotechnologies, materials, biotechnology, manufacturing, space</p>	<p>13.04</p>
<p><i>Access to risk finance</i> Leveraging private finance and venture capital for research and innovation</p>	<p>2.84</p>
<p><i>Innovation in SMEs</i> Fostering all forms of innovation in all types of SMEs</p>	<p>0.62 + 20% Societal Challenges + LEITs budget</p>

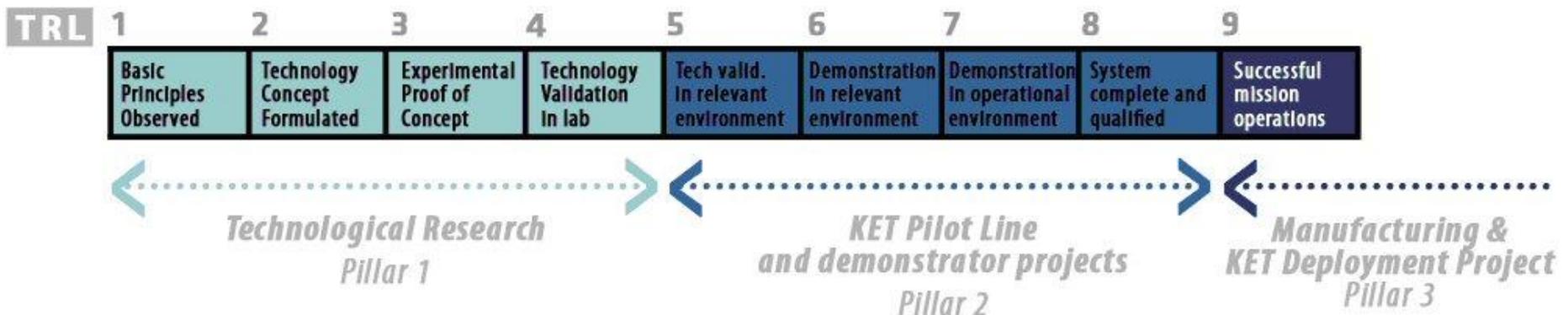
Priority 3. Societal Challenges

€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

Type of Actions under *Industrial Leadership and Societal Challenges* priorities & *FET*

- Main Type - **Collaborative**
 - Large multipartner, transnational, interdisciplinary projects (Technology Readiness Level 1 to 9)
- Other Types:
 - Coordination & Support Actions (no R&D costs covered)
 - SME instrument: 3-phase - feasibility, innovation project, indirect support for commercialisation
 - Cofund



Horizon 2020 the first two years (2014 - 2015)

2014-15 Work Programme € 15 billion

45,236 eligible proposals

12,000 evaluators

5,800 retained for funding

5,306 grant agreements € 9.6 billion from EU (end Oct'15)

U.S. Participation in H2020 some data



Marie Skłodowska-Curie Actions:

Fellows, Partners & Hosts

- 2014 – (Sept) 2015: **258** US participations incl. non-university

ERC grantees:

- 2014: US nationals: **37** selected out of 206 proposals received
4 US institutes receive funds

Collaborative projects:

Full partner / third party / subcontractor in all areas of H2020

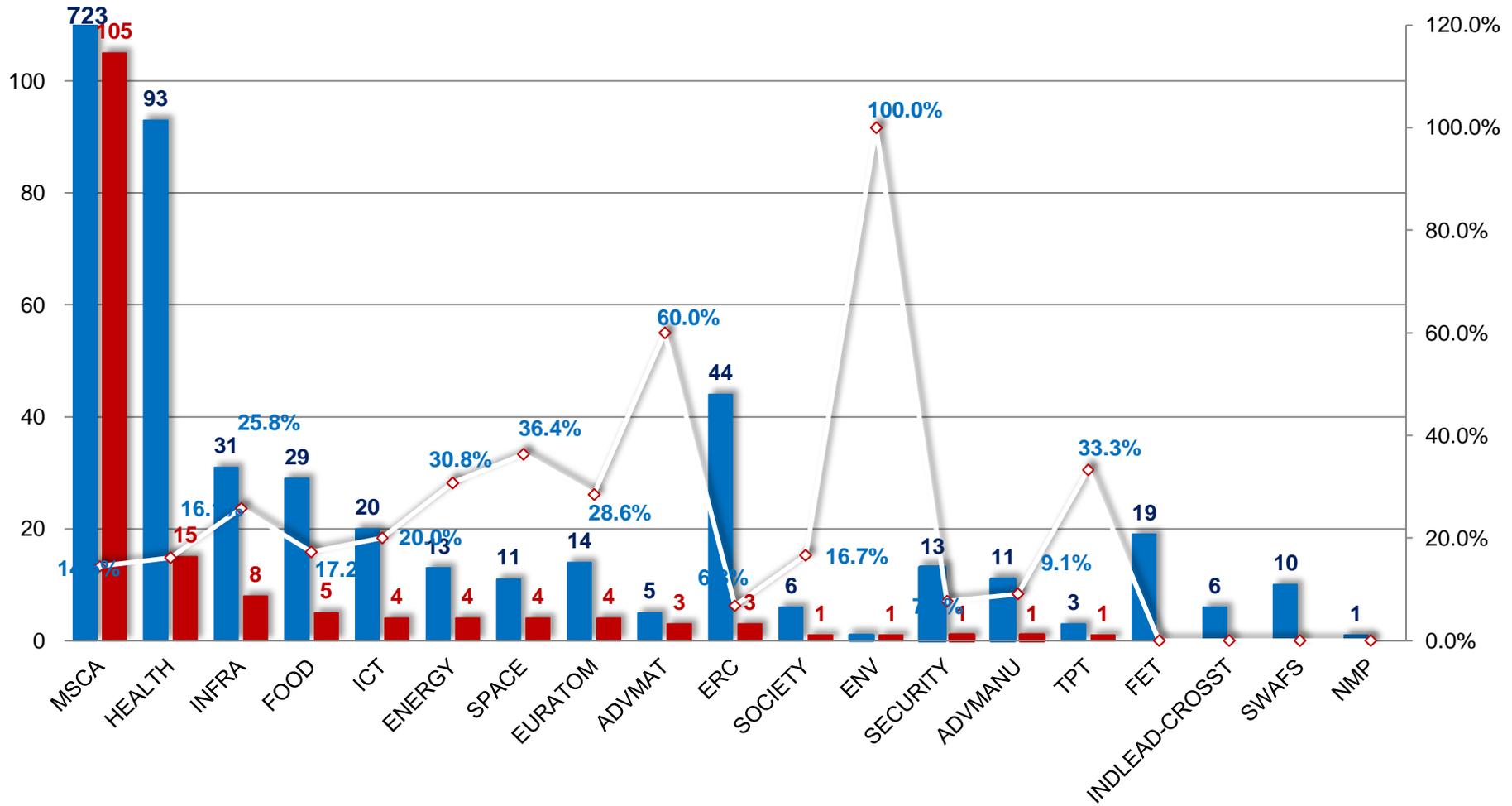
- 2014-15: **34** signatories (Oct'15) – 14 non-EU funded; 20 funded

H2020 – General Information

	Applicants in eligible proposals	Applicants in retained proposals	Success rate	EU contribution mln EURO	Participations in projects	EU contribution mln EURO
All countries	141 117	21 044	14,9%	9 024,3	18 234	7 358,2
DE	17 297	2 832	16,4%	1 896,9	2 451	1 505,2
PL	2 651	366	13,8%	80,4	311	69,3
US	1 053	160	15,2%	17,6	29	4,3

***Data from July 2015**

U.S. Participation by H2020 Priority Area



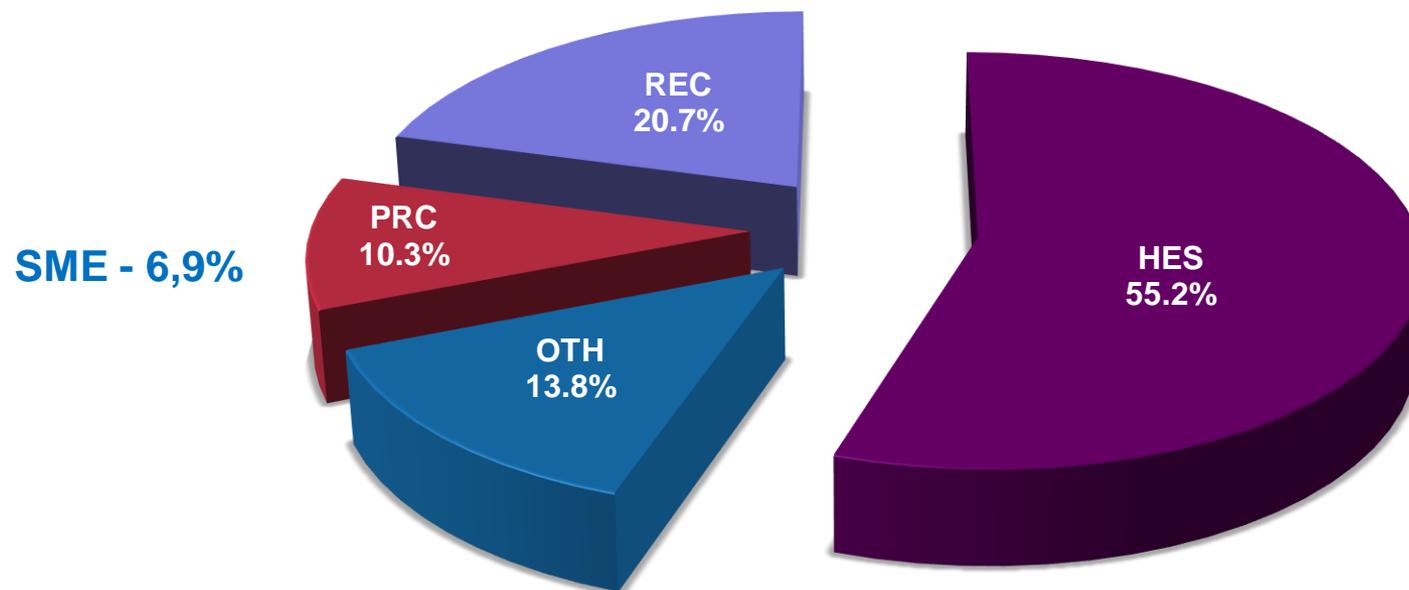
■ Applicants in selection

■ Retained Proposals



European Commission

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)

€ 16 BILLION

63 calls

600 topics



2016-2017 Work Programme



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)

Participation of U.S.-based researchers in Horizon 2020



U.S. 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
- **Funding**
- Not available, as a rule, to participants from non-European industrialized countries
- **Exceptions:**
 - Health Research
 - Research Infrastructure Integrating Activities
 - *Ad hoc* exceptions
 - Subcontractors

Centre of European Research & Innovation

Call: ENGAGING TOGETHER GLOBALLY

Topic: ENG-GLOBALLY-09-2016 - CSA

Open: 08 Dec 2015; Deadline: 14 April 2016

Budget: €10 million covering three pilots - BZ, CN, **USA**

- Support **internationalisation** of European academic or private-sector researchers/entrepreneurs in partner countries
- Networking** (partnering events, workshops, boot camps, venture capital pitching events, best practice exchange, visits, tours etc.)
- Advice** and support on how to engage in R&I in the country
- Advocacy** on open and responsible R&I
- Provide **work space**, infrastructure and secondment opportunities
- Design and piloting of alternative public/private **financing** of the Centres based on services demanded
- Promotion**, awareness raising and training
- Open** to all EU Member States and Associated Countries

H2020 Projects with **non-EU-Funded U.S.** participants

FASTNET [2015-19] Fast Nuclear Emergency Tools

21 partners from 17 countries €4.6m

U.S. Nuclear Regulatory Commission € 100k / € 0 from EU

NANORESTART [2015-18] Nanomaterials for the restoration of works of art

26 partners from 12 countries €9.2m

Art Institute of Chicago € 115k / € 0 from EU

BRIDGES [2015-20] Breast cancer risk after diagnostic gene sequencing

17 partners from 10 countries €6.46m

U.Utah & Mayo Clinic € 51.25k each/ € 0 from EU

WiSHFUL [2015-18] Wireless Software & Hardware for flexible & unified radio & network control

8 partners from 7 countries €5.37m

Rutgers € 113.25k / € 0 from EU

B-CAST [2015-20] Breast cancer stratification

12 partners from 9 countries €6.12m

Harvard € 62.5k / € 0 from EU

AtlantOS [2015-20] Integrated Atlantic Ocean observing system

62 partners from 18 countries €20.6m

WHOI € 0 from EU (also NOAA)

HORIZON 2020



H2020 Projects with EU-Funded U.S. participants

EU-ToxRisk [2016-21] Toxicity testing and risk assessment for 21st Century
39 partners from 13 countries €30.1m
JHU € 515.76k / € 515.76 from EU

FRESHAIR[2015-18] Free respiratory evaluation & smoke-exposure reduction by ...
14 partners from 9 countries €3m
U.Washington € 271.625k / € 271.625k from EU

BIOCAPAN [2015-19] Bioactive implantable capluse for pancreatic islets immunosuppression free therapy
9 partners from 6 countries €8m
Wake Forest U. Health Sciences € 764.9k / € 764.9k from EU

IF-EBOLa[2014-16] Control of the Ebol outbreak by both innovative ultrasensitive ..
8 partners from 6 countries €2m
Metabiota Inc € 237k / € 237k from EU ; Orion Integrated Biosciences Inc € 135k / € 135k from EU

EUNCL [2015-19]European Nanomedicine Characterization Laboratory
9 partners from 8 countries €5.6 m
Leidos Biomedical Research Inc. (NCI) € 348.7k / € 348.7k from EU

EU – U.S. R&I Cooperation Priorities

- **Goal: Increase overall scale, scope & strategic character of EU-U.S. cooperation under H2020**
- **Four priorities**
 - ✓ Marine and Arctic
 - ✓ Transportation
 - ✓ Materials
 - ✓ Health
- **Programme-level inter-agency cooperation (as well as project-level)**
 - Joint /coordinated/synchronized calls (Co-fund)
 - International Consortia (shared research agenda, ex post coordination, twinning, ...)



Practical Information

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 > 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>

How to Apply?

Using the Horizon 2020 website:

1. Find a call for proposals

2. Find partners (where necessary)

- ✓ Use existing contacts with experience of EU funding programs
- ✓ Use Partner Search facility on the Horizon 2020 Participant Portal website:
http://ec.europa.eu/research/participants/docs/h2020-funding-guide/grants/applying-for-funding/find-partners_en.htm
- ✓ Search the CORDIS database for participants similar projects in FP7:
http://cordis.europa.eu/projects/home_en.html
- ✓ Use social media (e.g. LinkedIn forums)?

3. Create an account and register your organization

4. Submit a proposal

Rules of Participation

Minimum Conditions:

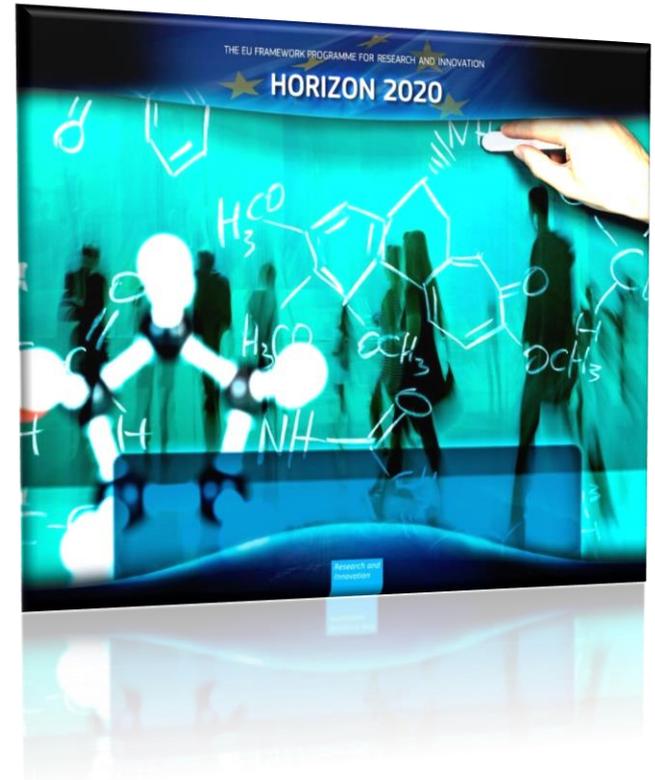
▪ **For standard (collaborative) research projects:**

- 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



Evaluation criteria



- ✓ **ERC** frontier Research actions >> only EXCELLENCE
- ✓ **Innovation actions** >> higher weighting for "IMPACT"

**Proposal evaluated by the experts “as it is”
and not as “what could be” = no need for negotiation**

Useful links

- EURAXESS: www.euraxess.org
- Marie Skłodowska-Curie Actions: <http://ec.europa.eu/research/mariecurieactions/>
- European Research Council: <http://erc.europa.eu/>
- Horizon 2020: <http://ec.europa.eu/programme>
- Participant Portal: <http://ec.europa.eu/research/participants/portal/desktop/en/home.html>



European Research Council



- Projects Bilateral Transatlantic Cooperation with the EU
 - BILAT USA 2.0: <http://www.euussciencetechnology.eu/>
 - ERA-Can+: <http://www.era-can.net/>

BILAT  USA 2.0

 ERA-Can+
Advancing EU-Canada Collaboration
in Research and Innovation

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

 euraxess
RESEARCHERS IN MOTION

Thank you for your attention!

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Disclaimer: Most of the Horizon 2020 slides in the presentation were provided by the Delegation of the EU to the USA based in Washington, DC.