

HORIZON 2020



Research and
Innovation



Marie Skłodowska-Curie actions -
Research Fellowship Programme

NATIONAL ERASMUS+ Information Day, 4-5 November, 2014, Kyiv

Horizon 2020: 2014-2020

3 Pillar Structure

Excellent Science

European Research Council (ERC)

Future & Emerging Technologies (FET)

Marie Skłodowska Curie Actions

Research Infrastructures (RI)

Industrial Leadership

Leadership in Enabling and Industrial Technologies (LEIT) – ICT, KETs & Space

Access to Risk Finance

Innovation in SMEs

Societal Challenges

Health and Wellbeing

Food Security, Sustainable Agriculture, Forestry, Marine, Maritime, Inland Water and Bio-economy

Secure, Clean & Efficient Energy

Smart, Green and Integrated Transport

Climate action, Environment, Resource efficiency and raw materials

Inclusive, Innovative and Reflective Societies

Secure Societies

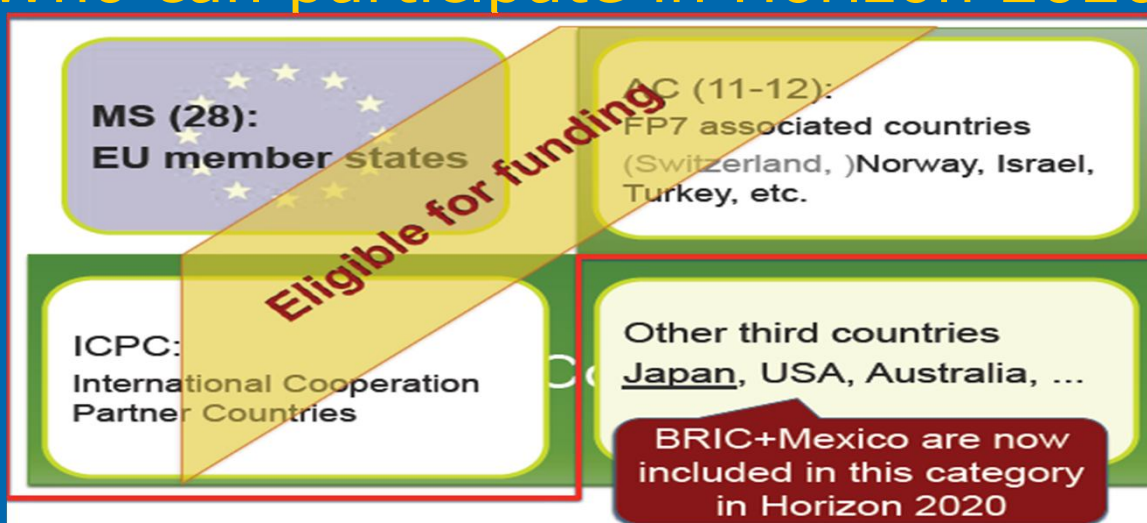
Spreading Excellence and Widening Participation, Social Sciences and Humanities (SSH) and ICT

European Institute of Innovation and Technology (EIT)

Joint Research Centre (JRC)

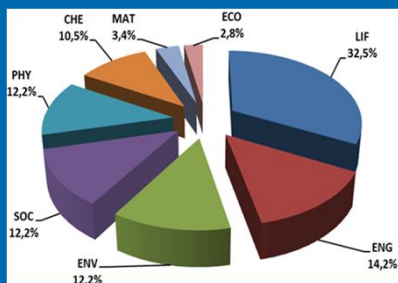
EURATOM

Who can participate in Horizon 2020



- Legal entities from MS and AC or created under Community law (and the JRC)
- International European interest organisations
- Legal entities established in international cooperation partner countries (ICPC-INCO) and International organisations
- Legal entities established in 3rd countries other than ICPC-INCO only exceptionally if provided for in SP or WP or essential for carrying out action; or if provision for funding is provided for in a bilateral agreement between Community and that country

MCA in FP7 (2017-2013) Achievements



All scientific areas covered:
bottom-up approach

- **50 000 researchers** financed in FP7 MCA, of **141 nationalities**
- **~ 10 600 projects** funded in FP7 up to now (4.7 billion funding in total)
- **> 84 countries** (49 non MS/AC) with **19 700 participations** of various **host organisations**
- **> 2069 participations** from the private sector, making up 7.5% of total beneficiaries, with **34.6% in IAPP** and **14.2% in ITN**

Marie Curie Actions (2007-2014). Ukraine

Marie Curie Actions (2007-2014)	Number of organisation participations ²	Budget ³ (€ million) awarded to Ukrainian organisations	Number of Projects	Ukrainian researchers	Researchers going to Ukrainian organisations
Initial Training Networks	1	0.215	1	106	0
Industry-Academia Partnerships and Pathways	5	0.558	4	27	1
Co-funding of regional, national and international programmes	0	0	0	40	0
Intra-European Fellowships	0	0	0	9	0
Career Integration Grants ⁴	0	0	0	3	0
International Incoming Fellowships	10 ⁵	0.15	10 ⁴	39 ⁶	0
International Outgoing Fellowships	1 ⁴	0	1	0	1
Sub-Total (fellowships)	99	0.923	12	224	2
International Research Staff Exchange Scheme	82	5.2	63	687 ¹ (2747 Months ⁷)	645 ¹ (2581 Months ⁷)
Researchers' Night	0	0	0	N/A	N/A
Total	99	6.1	79	911¹	647¹

Marie Skłodowska-Curie actions in Horizon 2020



Budget 2014-2020: 6 162 million €
€745 million in 2015 for all calls together.

- **Worldwide and cross-sector mobility**
- **Financing excellent research in any field**
- **For all stages of a researcher's career**
- **Main EU programme for doctoral training**
- **Breaking barriers between academic and other sectors, especially business**
- **Combining academic research study with work in companies**

MCA Actions in Horizon 2020

Innovative Training Networks - ITN

Individual Fellowships - IF

Research and Innovation Staff Exchange - RISE

**Co-funding of regional, national and
international programmes - COFUND**

European Researchers' Night



Definitions – Researchers

1) Early-stage Researchers (ESR)

Less than four years of research
experience
and
No doctoral degree



ITN

RISE

COFUND

2) Experienced Researchers (ER)

At least four years of research
experience
or
A doctoral degree



IF

RISE

COFUND

Definitions

- **A**cademic sector: public or private HEI awarding academic degrees, public or private non-profit research organisations, international European interest organisations
- **N**on-academic sector: any socio-economic actor not included in the academic sector definition
- **B**eneficiaries → signatories of the grant agreement
- **P**artner organisations → not signing the grant agreement
- **F**ull time research equivalent and mobility rule – following MCA approach
- **S**taff members in RISE: researchers, managers, administrative and technical personnel supporting research and innovation activities of the project

Funding

- EU contribution based on **unit costs** calculated on the basis of the researcher-months
- Two broad dimensions of unit costs: researcher and institutional
- **Allowances for the researcher** (living, mobility and family allowance)
- Unit costs for **research, training and networking**
- Unit costs for **management** and **indirect costs**
- Country coefficients applicable only to living allowances in ITN and IF

EU contribution – amounts

Categories of eligible costs	Costs of researchers/seconded staff member (1)				Institutional costs (2)	
	Living allowance (a)	Mobility allowance (b)	Family allowance (c)	Top-up allowance (d)	Research, training and networking costs (a)	Management and indirect costs (b)
Marie Skłodowska-Curie action						
ITN (100%)	3 110	600	500	--	1 800	1 200
IF (100%)	4 650	600	500	--	800	650
RISE (100%)	--	--	--	2 000	1 800	700
COFUND (50%)	ESR: 3 710 ER: 5 250	--	--	--	--	650 (indirect costs not covered)

Innovative Training Networks (ITN)



Objective

- raise excellence and structure research and doctoral training
- train a new generation of creative, entrepreneurial and innovative **early-stage researchers**

Scope

- Triple 'i' dimension of mobility and particular focus on innovation skills

European
Training
Networks (ETN)

European
Industrial
Doctorates (EID)

European
Joint
Doctorates (EJD)

Minimum 3 beneficiaries

3 countries (MS/AC)

Typical size: 6-10 participants (example)

Each beneficiary must recruit and host at least one researcher at its premises.

Participation of non-academic sector considered essential.

Minim. 2 beneficiaries

1 academic

1 non-academic

2 countries (MS/AC)
> 50% of time at non-academic sector

Joint supervision
Mandatory Consortium Agreement

Minim. 3 beneficiaries

3 MS/AC

All entitled to award doctoral degrees.

Additional beneficiaries or partner organisations from any country, sector and discipline. Participation of non-academic sector encouraged
Mandatory provision of joint, double or multiple degrees (letters of institutional commitment signed by a legal representative needed in the proposal)

Typical set-up: 48 month-projects.

Research and Innovation Staff Exchange (RISE)

Objective

- promote **international and inter-sector collaboration** through research and innovation staff exchanges
- foster a shared culture of research and innovation

Scope

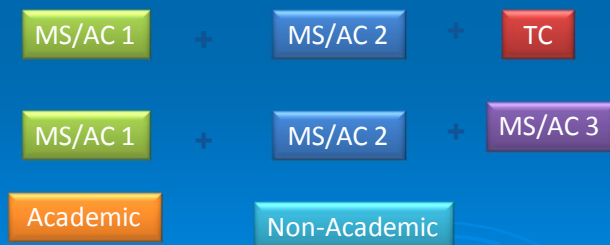
- International and inter-sector **transfer of knowledge** and sharing of ideas
- Common **research and innovation project**
- Highly skilled research and innovation staff
- **Within Europe: only inter-sector secondments**
- No secondments between institutions located outside Europe or within the same MS/AC

Expected Impact

- strengthen the interaction between organisations in the academic and non-academic sectors, and between Europe and third countries

RISE – Minimum Eligibility Conditions

- At least 3 independent participants in 3 different countries
- At least 2 participants from 2 different MS/AC
- If all in MS/AC: at least 1 academic and 1 non-academic
- Support to **secondments of staff members (1-12 months)**
- **Eligibility condition** for staff member: **6 month at the sending institution** prior to the first secondment
- Maximum **540 researcher-months** per consortium
- *In practice, 2 possible minimum settings:*



Individual Fellowships (IF)

Objective

- 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, resume a career or return to Europe

Scope

- Individual, trans-national fellowships awarded to the best or most promising researchers
- **European Fellowships** or **Global Fellowships**
- Career Restart Panel and Reintegration Panel

Expected Impact

- release the full potential of researchers and to catalyse significant development in their careers in both the academic and non-academic sectors
- strengthen the contact network of the researcher and the host organisation

IF – Main features

- **Budget:**
 - € 240.50 Million in 2014 (Global Fellowships: 29 Mio)
 - € 215 Million in 2015 (Global Fellowships: 27 Mio)
- Duration of projects: 2 years (IF Global: 3 years)
- Support to **experienced researchers of any nationality** (IF Global and IF Reintegration: nationals of EU MS/AC and long-term residents)
- Focus on **career development**, not necessarily experience
- Additional 3 or 6 month **secondment option**, within Europe and in another sector
- Separate multidisciplinary **panels for CAR and Reintegration**
- Same award sub-criteria for all proposals

COFUND

MSCA to foster excellence throughout Europe

Objective

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

Scope

- international, intersectoral and interdisciplinary **research training**, as well as transnational and cross-sector **mobility** of researchers, in line with Charter & Code and with EU principles for Innovative Doctoral Training
- opportunities for **researchers from all countries**
- open and transparent selection and recruitment

Expected Impact

- exploit synergies between EU actions and those at regional, national, and international level
- leverage funding and combat fragmentation
- increase working / employment conditions of researchers

Award Criteria

Excellence	Impact	Implementation
Quality, innovative aspects and credibility of the research (including inter/multidisciplinary aspects)	Enhancing research- and innovation-related human resources, skills, and working conditions to realise the potential of individuals and to provide new career perspectives	Overall coherence and effectiveness of the work plan, including appropriateness of the allocation of tasks and resources
Clarity and quality of transfer of knowledge/training for the development of researcher in light of the research objectives	Effectiveness of the proposed measures for communication and results dissemination	Appropriateness of the management structures and procedures, including quality management and risk management
Quality of the supervision and the hosting arrangements		Appropriateness of the institutional environment (infrastructure)
Capacity of the researcher to reach or re-enforce a position of professional maturity in research		Competences, experience and complementarity of the participating organisations and institutional commitment
50%	30%	20%
Weighting		
1	2	3
An overall threshold of 70% will be applied to the total weighted score		



MSCA Calls 2014-2015

ITN	11/12/2013-09/04/2014 02/09/2014-13/01/2015 OPEN!	EUR 405.18 million EUR 370.00 million
IF	12/03/2014-11/09/2014 12/03/2015-10/09/2015	EUR 204.50 million EUR 215.00 million
RISE	11/12/2013-24/04/2014 06/01/2015-28/04/2015	EUR 70.00 million EUR 80.00 million
COFUND	10/04/2014-02/10/2014 14/04/2015-01/10/2015	EUR 80.00 million EUR 80.00 million
NIGHT	11/12/2013-04/03/2014	EUR 8.00 million

MSCA Web-Portal

http://ec.europa.eu/research/mariecurieactions/index_en.htm

The screenshot shows the homepage of the Marie Skłodowska-Curie actions website. At the top, it features the European Commission logo and the text 'RESEARCH & INNOVATION Marie Skłodowska-Curie actions'. Below this is a navigation bar with links for 'Home', 'About', 'Apply now', 'Funded projects', 'News and events', and 'Media library'. The main content area includes a banner for the 'engres' conference, titled 'EMPOWERMENT OF THE NEXT GENERATION OF RESEARCHERS', and a section for the 'Marie Skłodowska-Curie actions - Research Fellowship Programme'. A search bar and 'Open calls' section are also visible.

This screenshot displays the 'Jobs for you' section, which is supported by Marie Skłodowska-Curie actions research fellowships. It lists several job opportunities, including a 'Post-Doctoral Researcher' position at the University of Wolverhampton and a 'Marie Curie Experienced Research Fellow' at City University London. Each listing provides details such as the project overview, post date, country, and application deadline.

The screenshot shows the EURAXESS Researchers in Motion website. It features the EURAXESS logo and the text 'EURAXESS - Researchers in Motion'. The main content area is divided into four sections: 'JOBS', 'SERVICES', 'RIGHTS', and 'LINKS'. Each section provides information and links for researchers looking to pursue their careers in Europe.

This screenshot displays the Marie Curie Alumni Association (MCAA) website. It features the MCAA logo and the text 'MARIE CURIE ALUMNI ASSOCIATION'. The main content area includes a 'Benefits of joining!' section, a 'Currently there are 5030 registered MCAA users and counting!' statistic, and a 'MCAA Membership by Nationality' pie chart. The website also has a navigation bar with links for 'HOME', 'ABOUT US', 'GROUPS', 'EVENTS', 'NEWS', 'CALLS', 'BLOGS', and 'JOBS'.

<http://ec.europa.eu/euraxess/>

<https://www.mariecuriealumni.eu/>

Web-Training Sessions

➤ The European Commission organized web-streamed training in early 2014 which is still valid for the 2015 calls

➤ **ITN & RISE**

- *Policy and objectives*
- *Implementation modalities*
- *How to submit a proposal*
- *Questions and answers*

➤ Recorded and viewable via the link:

<http://scic.ec.europa.eu/streaming/index.php?es=2&sessionno=e6cc48e3a8db9b618592a86a57960164>

Learn more

Marie Skłodowska-Curie actions:

http://ec.europa.eu/research/mariecurieactions/index_en.htm

Work Programs 2014-2015:

http://ec.europa.eu/research/participants/portal/doc/call/h2020/common/1617603-part_3_msca_v2.0_en.pdf

Open Calls:

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/index.html>

Rules:

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

On-line Manual:

<http://ec.europa.eu/research/participants/portal/desktop/en/funding/guide.html>

CORDIS Portal: http://cordis.europa.eu/home_en.html

Participants Portal:

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



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Thanks for your attention