

Marie Skłodowska-Curie actions (MSCA): Opportunities for training and career development for researchers

Horizon 2020 - Excellent Science Pillar

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Servizio supporto alla ricerca

Area ricerca e trasferimento tecnologico



“After all, science is essentially international, and it is only through lack of the historical sense that national qualities have been attributed to it”

Marie Skłodowska-Curie

HORIZON 2020 structure

Excellent science	Industrial Leadership	Societal challenges
<ul style="list-style-type: none">• European Research Council (ERC)• Future & emerging technologies• Marie Skłodowska-Curie Actions• Research infrastructures (including e-infrastructure)	<ul style="list-style-type: none">• Leadership in enabling & industrial technologies (LEITs) - <i>ICT, nanotechnologies, materials, biotechnology, manufacturing, space</i>• Access to risk finance• Innovation in SME	<ul style="list-style-type: none">• Health, demographic change & wellbeing• Food security, sustainable agriculture and forestry, marine/maritime/inland water research and the bioeconomy• Secure, clean & efficient energy• Smart, green & integrated transport• Climate action, environment, resource efficiency & raw materials• Inclusive, innovative & reflective societies• Secure societies

MSCA - Introduction

- Grants for researchers at **all stages of their careers** - be they doctoral candidates or highly experienced researchers
- Encourage **international, intersectoral** (academic/non-academic) and **interdisciplinary mobility** (“3i”)
- Aim to equip researchers with the **necessary skills** and international experience **for a successful career**, both related to R&I (management of IPR, take up and exploitation of research results, communication, standardisation, ethics, scientific writing etc.) and to management or grant searching (involvement in the organisation of network activities, entrepreneurship, management, proposal writing, task co-ordination, etc.)
- **‘Bottom-up’ approach**: MSCA are open to all domains of research and innovation, from fundamental research to market take-up and innovation services

EC Video on MSCA <https://youtu.be/Il1oSdkTQNo>

Types of MSCA - ITN

Research networks (ITN): support for Innovative Training Networks

ITNs support competitively selected joint research training and/or doctoral programmes, implemented by European partnerships of universities, research institutions, and non-academic organisations

The research training programmes provide experience outside academia, hence developing innovation and employability skills

ITNs include industrial doctorates, in which non-academic organisations have an equal role to universities in respect of the researcher's time and supervision, and joint doctoral degrees delivered by several universities

Furthermore, non-European organisations can participate as additional partners in ITNs, enabling doctoral-level candidates to gain experience outside Europe during their training

Types of MSCA - IF

Individual fellowships (IF): support for experienced researchers undertaking mobility between countries, optionally to the non-academic sector

IF support the mobility of researchers within and beyond Europe - as well as helping to attract the best foreign researchers to work in the EU

The grant usually covers two years' salary, a mobility allowance, research costs and overheads for the host institution. Individual researchers submit proposals for funding in liaison with their planned host organisation

Proposals are judged on their research quality, the researcher's future career prospects, and the support offered by the host organisation

Fellows can also spend part of the fellowship elsewhere in Europe if this would boost impact, and those restarting their career in Europe benefit from special eligibility conditions

Types of MSCA - RISE

International and inter-sectoral cooperation through the Research and Innovation Staff Exchanges (RISE)

RISE supports short-term mobility of research and innovation staff at all career levels, from the most junior (post-graduate) to the most senior (management), including also administrative and technical staff

It is open to partnerships of universities, research institutions, and non-academic organisations both within and beyond Europe

In worldwide partnerships, academia-to-academia exchanges are permitted

Types of MSCA - COFUND

Co-funding of regional, national and international programmes that finance fellowships involving mobility to or from another country

The MSCA offer additional funding to regional, national and international programmes for research training and career development

COFUND programmes encourage the movement of researchers across borders and provide good working conditions

The scheme can support doctoral and fellowship programmes

Types of MSCA - NIGHT

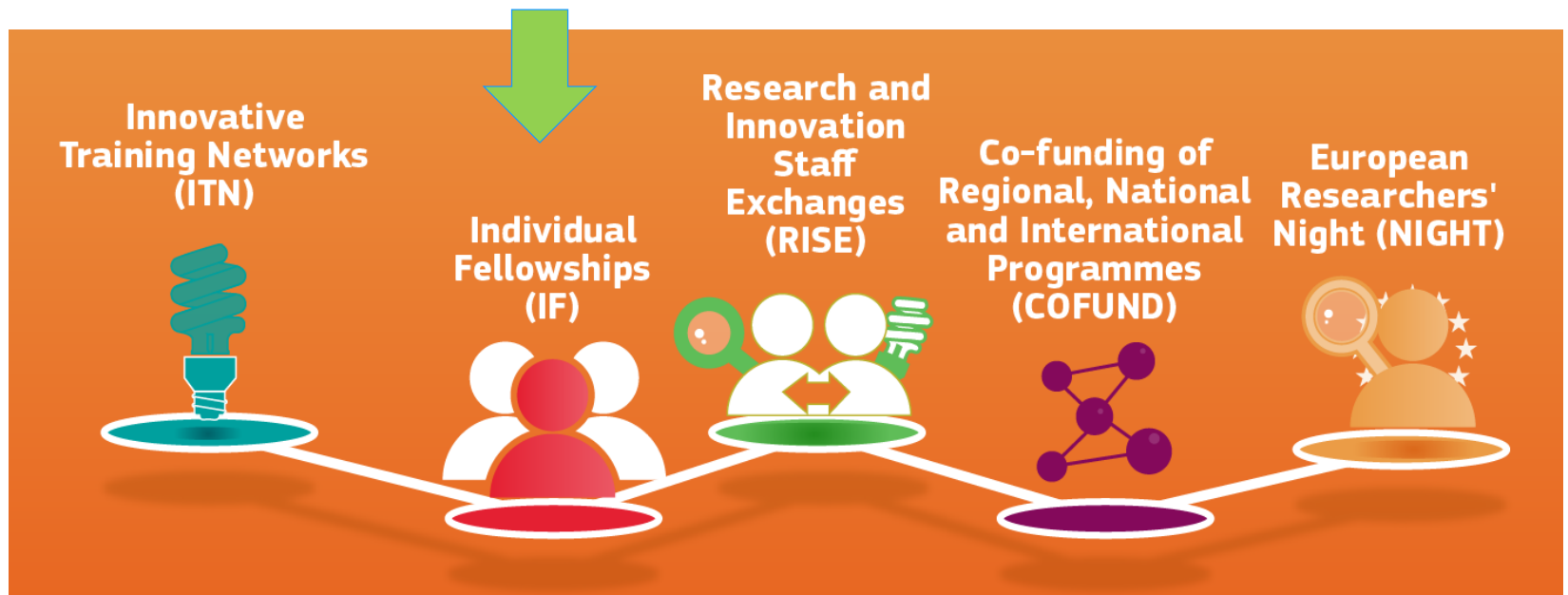
The European Researchers' Night (NIGHT)

It is a Europe-wide public event to stimulate interest in research careers, especially among young people

The activities are focused on the general public and might take various forms such as hands-on experiments, science shows, debates, competitions or quizzes

The NIGHT takes place yearly, typically on the last Friday of the month of September

Types of MSCA



MSCA Individual Fellowship

Individual fellowships (IF)

[MSCA-IF-2020](#)

Planned opening date: 08 April 2020

Deadline: 09 September 2020

Total budget: 328 000 000 euro

Goal of Individual Fellowships

The goal of the Individual Fellowships is to enhance the **creative and innovative potential** of **experienced researchers** wishing to diversify their individual competence in terms of **skill acquisition** through **advanced training, international and intersectoral** mobility

IF provide opportunities to acquire and transfer new knowledge and to work on research and innovation **in Europe** (EU Member States and Associated Countries) and **beyond**

It is based on an **application** made **jointly** by the **researcher** and the **beneficiary** in the academic or non-academic sectors

Types of Individual fellowships

- **Standard European Fellowships (EF-ST)**

Mobility within Europe

- **Career Restart Panel (EF-CAR)**

Support to individuals to resume research in Europe after a career break, e.g. after parental leave or due to recent migration

- **Reintegration Panel (EF-RI)**

Direct return from a Third Country to a European Country thus allowing his/her long-term reintegration

- **Society & Enterprise Panel (EF-SE)**

Research and innovation projects in an organisation from the non-academic sector

- **Global Fellowships (GF)**

Based on a secondment to a third country and a mandatory 12 month return period to a European host

Submission of IF proposals

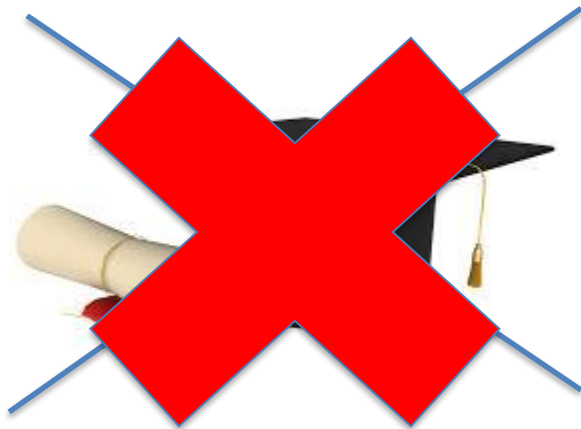
The proposal should be prepared by a **single experienced researcher** in cooperation with the **applicant organisation**, which is represented by the **main supervisor** in the framework of the proposal

Proposals *can* be submitted both by the researcher or by the supervisor

However, the submission of the proposal falls under the final responsibility of the applicant organisation as represented by the main supervisor

Who can be recruited? EXPERIENCED RESEARCHERS

EARLY-STAGE RESEARCHERS
 ≤ 4 years full-time equivalent
research



EXPERIENCED RESEARCHERS
 ≥ 4 years full-time equivalent research



Full-time equivalent research experience is measured from the date when a researcher obtained the degree which would formally entitle him or her to embark on a doctorate

Nationality and mobility rule

INDIVIDUAL FELLOWSHIPS		EUROPEAN (EF)				GLOBAL
		ST	CAR	RI	SE	GF
EXPERIENCED RESEARCHERS	Nationality	ANY	ANY	MS, AC or long-term residents	ANY	MS, AC or long-term residents
	Mobility	From ANY country to MS or AC	From ANY country to MS or AC	From TC directly to MS or AC (<i>location of the host institution</i>)	From ANY country to MS or AC	From ANY country to TC then to MS/AC
	Career break in research	-	at least 12 months within 18 months prior to call deadline	-	-	-

IF duration

INDIVIDUAL FELLOWSHIPS	EUROPEAN (EF)				GLOBAL
	ST	CAR	RI	SE	GF
DURATION (months)	12 to 24	12 to 36	12 to 24	12 to 24	12 to 24 + 12

Secondment

Duration of the fellowship	Maximum duration of secondment
≤ 18 months	3 months
> 18 months	6 months

EC Contribution

	Researcher unit cost in EUR person/month			Institutional unit cost in EUR person/month	
	Living Allowance	Mobility Allowance	Family Allowance	Research, training and networking costs	Management and indirect costs
Individual Fellowships	4,880	600	500	800	650

This amount is **adjusted** through the application of a **country correction coefficient** (CCC) for the cost of living according to the country in which the beneficiary is located.

The proposal – B1

Part B-1:

The **maximum** total length for this document is **10 pages**. It should be composed as follows (detailed description below):

- Section 1: Excellence
- Section 2: Impact
- Section 3: Implementation

Of the **maximum 10 pages** applied to sections 1, 2 and 3, applicants are free to decide on the allocation of pages between the sections. However, the overall page limit will be strictly applied: after the call deadline, **excess pages will automatically be made invisible, and will not be taken into consideration by the experts.**

It is the responsibility of the applicant to verify that the submitted PDF documents are readable and are within the page limit. PDF documents can contain colours.

The proposal – B2

Part B-2:

Part B-2 must contain sections 4-7 as described below. **No overall page limit** will be applied to this document, but applicants should respect the instructions given per section (e.g. in section 5, a maximum of one page should be used per beneficiary and one page per partner organisation).

- Section 4: CV of the experienced researcher (maximum length: 5 pages)
- Section 5: Capacities of the participating organisations (1 page for the overview and 1 page for each participating organisation)
- Section 6: Ethical aspects
- Section 7: Letter of commitment of the partner organisation (for GF only)

The proposal – Part B1

1. Excellence

1.1 Quality and credibility of the research/innovation project; level of novelty, appropriate consideration of inter/multidisciplinary and gender aspects

1.2 Quality and appropriateness of the training and of the two way transfer of knowledge between the researcher and the host

1.3 Quality of the supervision and of the integration in the team/institution

1.4 Potential of the researcher to reach or re-enforce professional maturity/independence during the fellowship

The proposal – Part B1

2. Impact

2.1 Enhancing the future career prospects of the researcher after the fellowship

2.2 Quality of the proposed measures to exploit and disseminate the project results

2.3. Quality of the proposed measures to communicate the project activities to different target audiences

The proposal – Part B1

3. Quality and Efficiency of the Implementation

3.1 Coherence and effectiveness of the work plan, including appropriateness of the allocation of tasks and resources

3.2 Appropriateness of the management structure and procedures, including risk management

3.3 Appropriateness of the institutional environment (infrastructure)

The proposal – Part B2

4 - CV of the experienced researcher

The CV should also include information on:

1. **Publications** in peer-reviewed scientific journals, peer-reviewed conference proceedings and/or monographs of their respective research fields, indicating also the number of citations (excluding self-citations) they have attracted
2. Granted **patent(s)**
3. Research **monographs**, chapters in collective volumes and any translations thereof
4. **Invited presentations** to internationally established conferences and/or international advanced schools
5. **Research expeditions** led by the experienced researcher
6. **Organisation of international conferences** in your field(s) of research, including membership in the steering and/or programme committee
7. Examples of participation in industrial innovation
8. **Prizes and Awards**
9. **Funding** received so far
10. **Supervising** and mentoring activities

The proposal – Part B2

5 - Capacity of the Participating Organisations

<i>beneficiary (compulsory)</i>	
University of Genoa, UNIGE, Italy	
General description	
Academic organisation	
Role and profile of key persons (supervisor)	
Dept./Division / Lab.	
Key research facilities, Infrastructure and Equipment	
Independent research premises?	
Previous and current involvement in research and training programmes	
Relevant publications and/or research/innovation products	

The proposal – Part B2

6 - Ethical Issues

Main ethical principles:

- Respecting human dignity and integrity
- Ensuring honesty and transparency towards research subjects and notably getting free and informed consent (as well as assent whenever relevant)
- Protecting vulnerable persons
- Ensuring privacy and confidentiality
- Promoting justice and inclusiveness
- Minimising harm and maximising benefit
- Sharing the benefits with disadvantaged populations, especially if the research is being carried out in developing countries
- Maximising animal welfare, in particular by ensuring replacement, reduction and refinement ('3Rs') in animal research
- Respecting and protecting the environment and future generations

Some data...



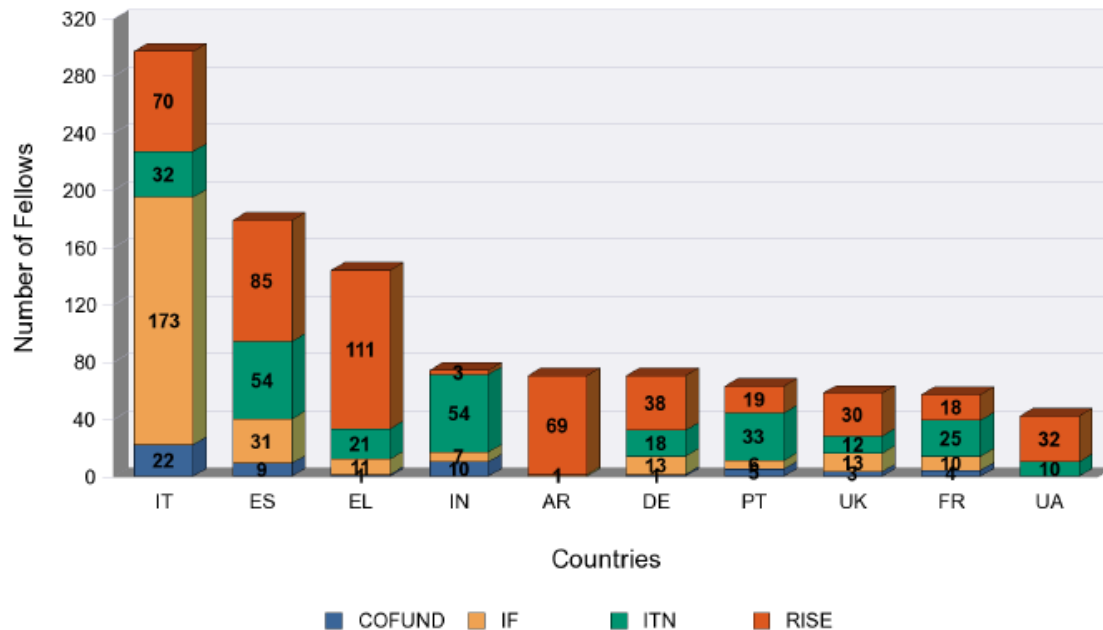
H2020 - Marie Skłodowska-Curie Actions (MSCA)

Country fact sheet: **Italy (IT)**

Last refresh date: 5/12/18

Mobility patterns: fellowships

Fellows going to IT, grouped by their nationality (top 10 nationalities)



Some data...

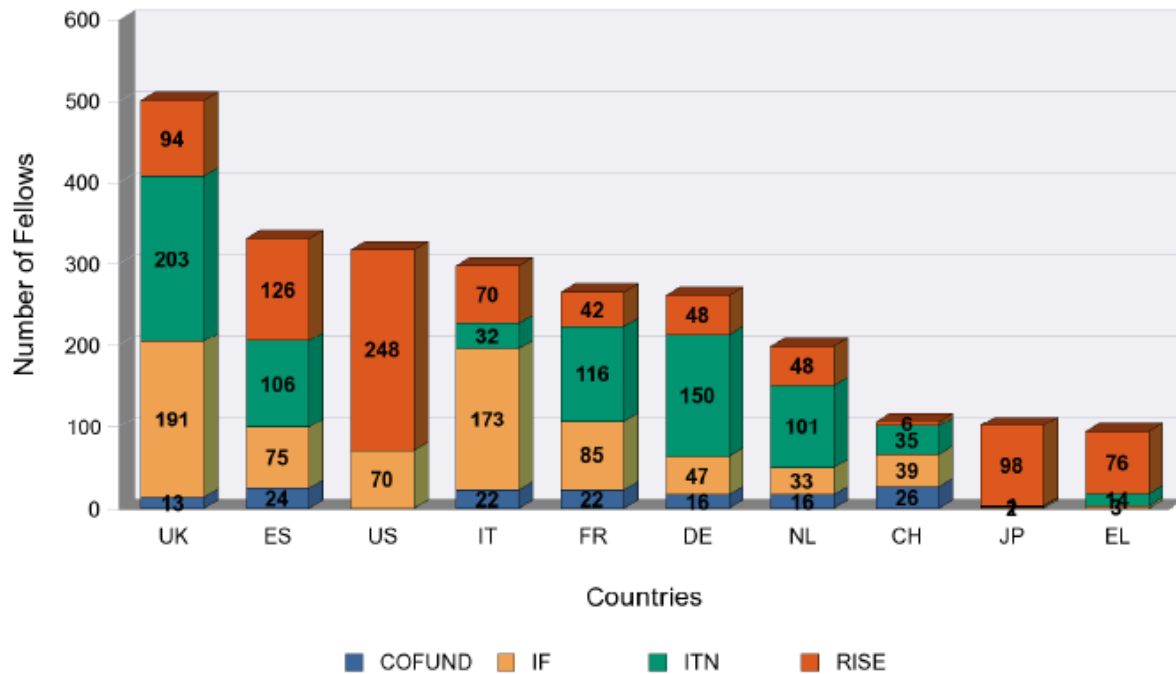


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IT fellows (nationals) grouped by country of destination (top 10 countries)



Some data...

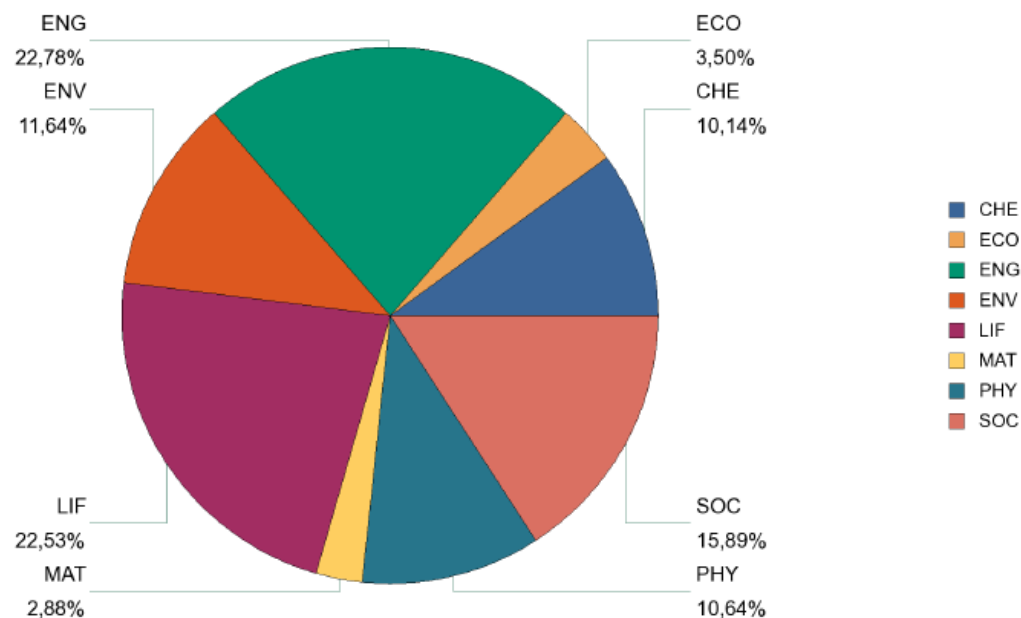


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Project distribution by scientific panel (IT)





How can we help you?

I am

Researcher



I want

Please select



Please select

to search job offers

to search funding opportunities

a visa for Europe

personal assistance

information on pensions and welfare

tips for my host country

EURAXESS lists thousands of vacancies and fellowships from more than 40 European countries and other regions in the world

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

Thank you for your attention!

Claudia Sanguineti

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Servizio supporto alla ricerca

Area ricerca e trasferimento tecnologico

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