



Advanced magnetic materials and devices for biomedical applications

Aula Cannizzaro, Via P. Giuria 7, Turin, 21-25 May 2018

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14.45-16.15

Marie Skłodowska Curie Actions and ERC Starting Grant

Angelo D'Agostino

National Contact Point Horizon 2020 - Marie Skłodowska-Curie Actions, Science with
and for Society, ERC

HAT IS APRE?

an non-profit research organisation

1989 - created as a “Task Force” of the Ministry of Education,
University and Research

>25 years of experience



MISSION

- Promoting and supporting **Italian participation** to the EU Research and Innovation programmes (R&I)
- Improve the “**Quality**” of the Italian participation in European programmes for R&I.



PRE 's services

**Information &
Assistance**



**Support for
International activities**



Training



Horizon 2020

Excellent science	Industrial leadership	Societal challenges
<ul style="list-style-type: none"> European Research Council Marie Skłodowska-Curie actions European Research Infrastructures, including e-Infrastructures 	<ul style="list-style-type: none"> • Leadership in enabling and industrial technologies • Information and Communication Technologies • Nanotechnologies, Advanced Materials, Advanced Manufacturing and Processing, and Biotechnology • Space • Access to risk finance • Innovation in SMEs <ul style="list-style-type: none"> • The SME Instrument • The Eurostars programme 	<ul style="list-style-type: none"> • Health, demographic change and wellbeing • Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy • Secure, clean and efficient energy • Smart, green and integrated transport • Climate action, environment, resource efficiency and raw materials • Europe in a changing world - inclusive, innovative and reflective societies • Secure societies - protecting freedom and security of Europe and its citizens.
Fast Track to Innovation Pilot (2015-2016)		
Spreading Excellence and Widening Participation		
Science with and for Society		
European Institute of Innovation and Technology (EIT)		
7/11/2015	Euratom	13

Keywords

entrepreneurial innovative joint research training
Innovative Training Networks (ITN) creative
doctoral training early-stage researchers
researchers innovation staff
cross-sector enhancing the skills
mobility knowledge-exchange opportunities public engagement
Marie Skłodowska-Curie Actions
new knowledge cross-border
diversify restart
reintegration Individual Fellowships
skill acquisition new knowledge
secondments international synergies
inter-sector
Research and Innovation Staff Exchange (RISE)
knowledge
synergies

Bottom-up approach

Research fields are freely chosen by the applicants, except:

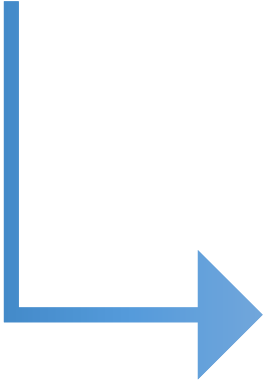
- research activity aiming at human cloning for reproductive purposes
- research activity intended to modify the genetic heritage of human beings which could make such changes heritable
- research activities intended to create human embryos solely for the purpose of research or for the purpose of stem cell procurement, including by means of somatic cell nuclear transfer
- areas of research covered by the EURATOM Treaty



Marie Skłodowska-Curie Actions – Individual Fellowships (IF)

Why?

Are you an experienced researcher thinking about your next career move?



Individual Fellowships fund researchers looking to **enhance their career development** and prospects by working abroad.

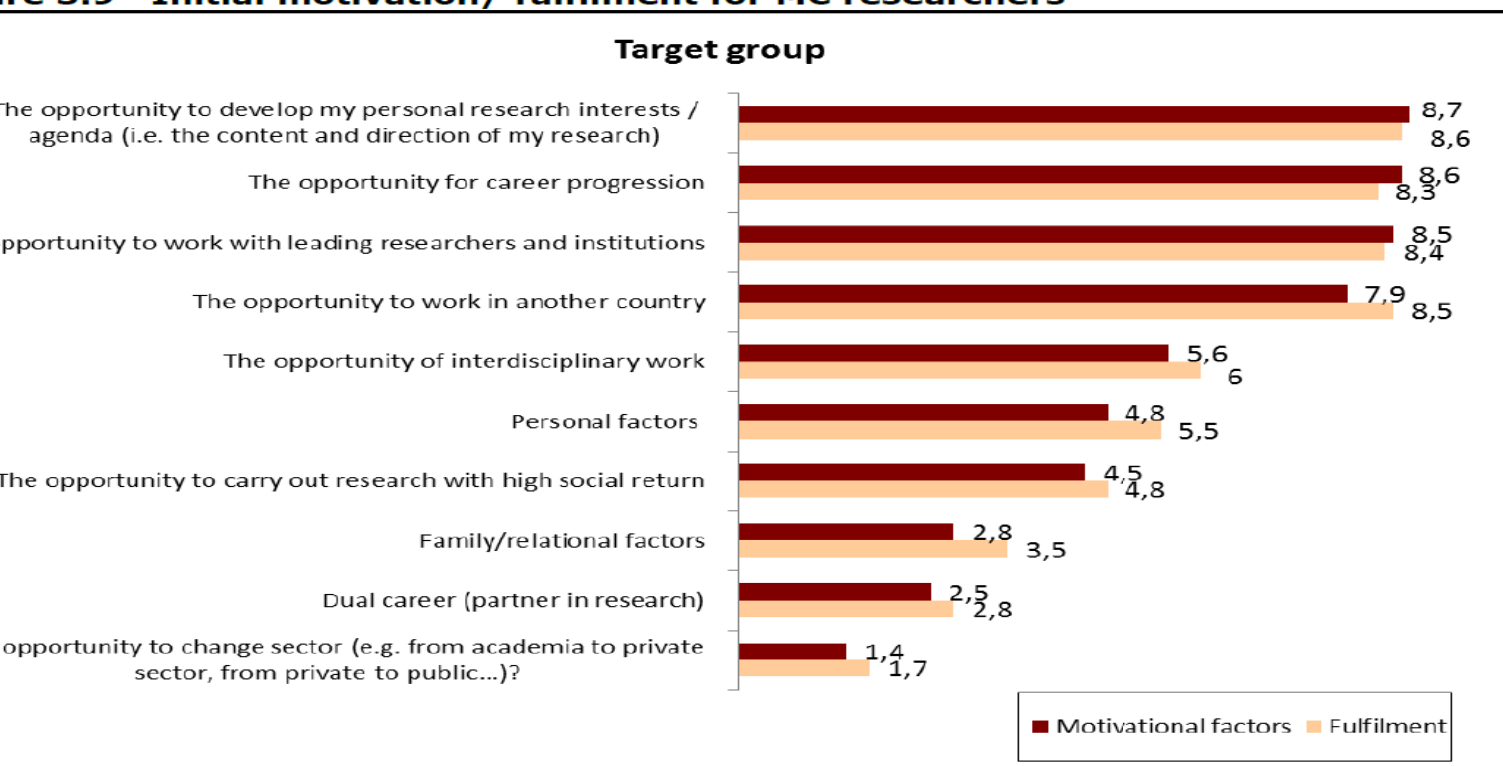


Experienced Researcher

- The Experienced Researcher (ER) must be, at the date of the call deadline, in possession of a doctoral degree or has at least four years of full-time equivalent research experience.
- Full-Time Equivalent Research Experience is measured from the date when a researcher obtained the degree entitling him/her to embark on a doctorate, either in the country in which the degree was obtained or in the country in which the researcher is recruited, even if a doctorate was never started or envisaged.

Why?

Figure 3.9 – Initial motivation/ fulfilment for MC researchers



Marie Curie researchers and their long-term career development: A comparative study

Final Report

Written by: [ECONOMIC ET AL.](#)

March 2014



PRE

Progetto per la Promozione
Ricerca Europea



Impact

ing the Work
amme MSCA 2018-20:



Expected Impact:

At researcher level:

- Increased set of skills, both research-related and transferable ones, leading to improved employability and career prospects both in and outside academia
- Increase in higher impact R&I output, more knowledge and ideas converted into products and services
- Greater contribution to the knowledge-based economy and society

At organisation level:

- Enhanced cooperation and stronger networks
- Better transfer of knowledge between sectors and disciplines
- Boosting of R&I capacity among participating organisations

At system level:

- Increase in international, interdisciplinary and intersectoral mobility of researchers in Europe
- Strengthening of Europe's human capital base in R&I with more entrepreneurial and better trained researchers
- Better communication of R&I results to society
- Increase in Europe's attractiveness as a leading destination for R&I
- Better quality research and innovation contributing to Europe's competitiveness and growth

Career drivers and employability	<ul style="list-style-type: none"> MC fellows reported that MCF contributed significantly to other key career 'drivers', such as (i) access to high quality research facilities and labs, (ii) enlarging their professional network and (iii) improving their interdisciplinary skills. MCF can improve fellow's immediate employability slightly better than other types of fellowship. In many instances former fellows have been offered an employment in the host institution after the end of MCF.
Professional outputs	<ul style="list-style-type: none"> The results of the study shows that – all other factors considered – MC fellows' publications are more-often cited than the CG's, and are more frequently published on influential scientific journals. MC fellows are more successful in applying for European Research Council (ERC)'s competitive grants for high quality research. Conversely, limited or no positive MC effects have been found concerning (i) submission/commercialization of patents; and
Employment status and career achievements	<p>(ii) obtaining private research funds.</p> <ul style="list-style-type: none"> MC fellows achieve professorship titles more frequently than others, but somehow later in their career, and are more likely than the CG of leading a team of researchers, i.e. holding a principal investigator position. MC fellows often enjoy better employment contracts than the CG (e.g. open-ended tenure), but this does not necessarily implies higher income. MC fellows are more satisfied with their job than the CG, and this is true in general and for each individual aspect considered.



Marie Curie researchers and their long-term career development: A comparative study

Final Report

Written by: ERASMUS+



N.B.
Marie Curie Fellowship (MCF)
Control group (CG)



Business Support on Your Doorstep

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

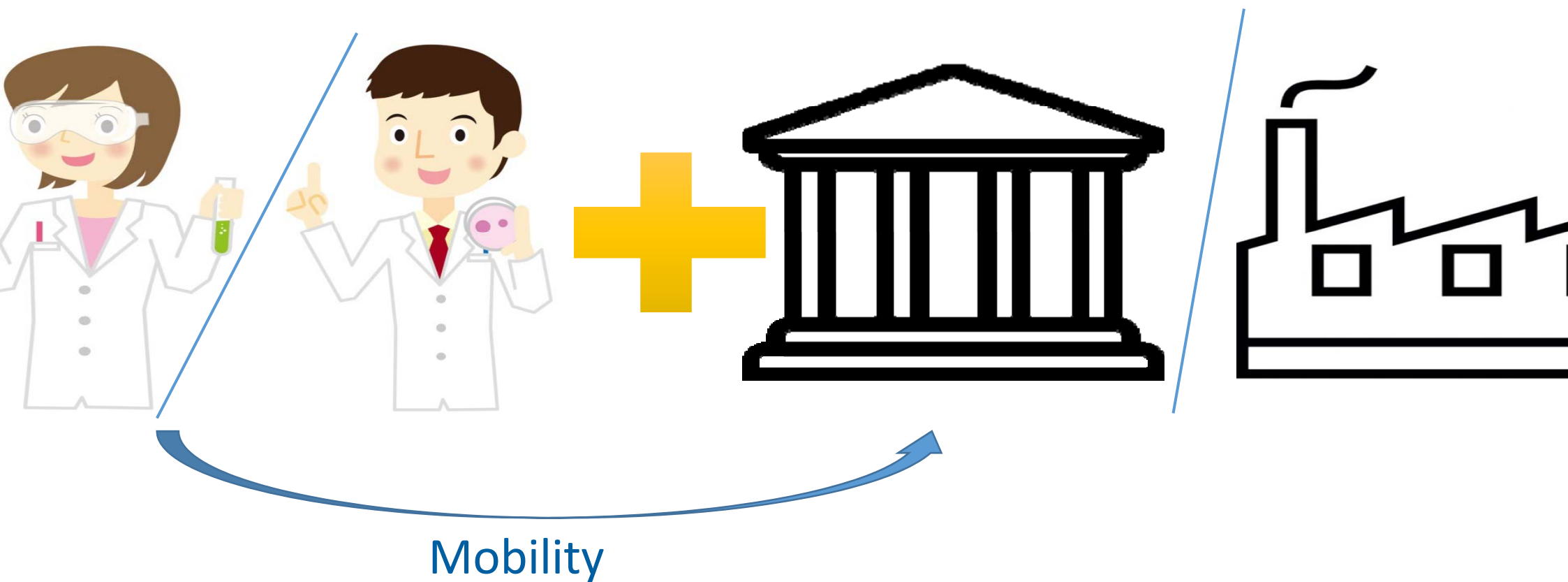
Scope

- Individual, trans-national fellowships awarded to the best or most promising researchers
- European Fellowships or Global Fellowships

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

Individual Fellowships (IF)



Mobility rule

For Standard (ST) the researcher must not have resided or carried out his/her main activity (work, studies, etc.) in the country of the host organisation for more than 12 months in the 3 years immediately prior to the deadline for submission of proposals.



Individual Fellowships (IF)



[...]

✓ This action provides financial support for individual experienced researchers who want to work in host organisations established in EU Member States (MS) or Associated Countries (AC)*.

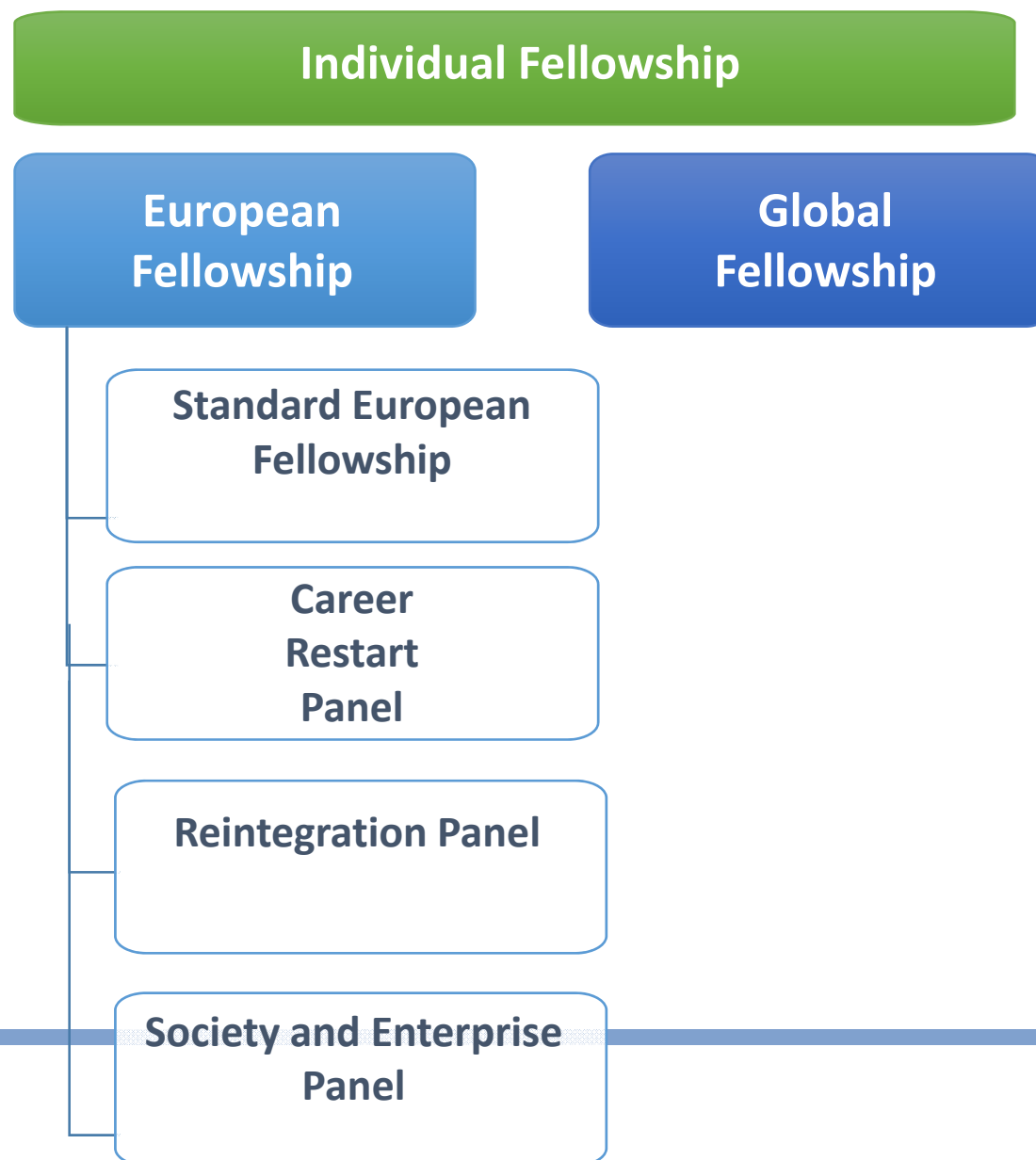
✓ The Global Fellowship option also includes an initial period spent in a Partner organisation located outside of Europe MS or AC.

[...]

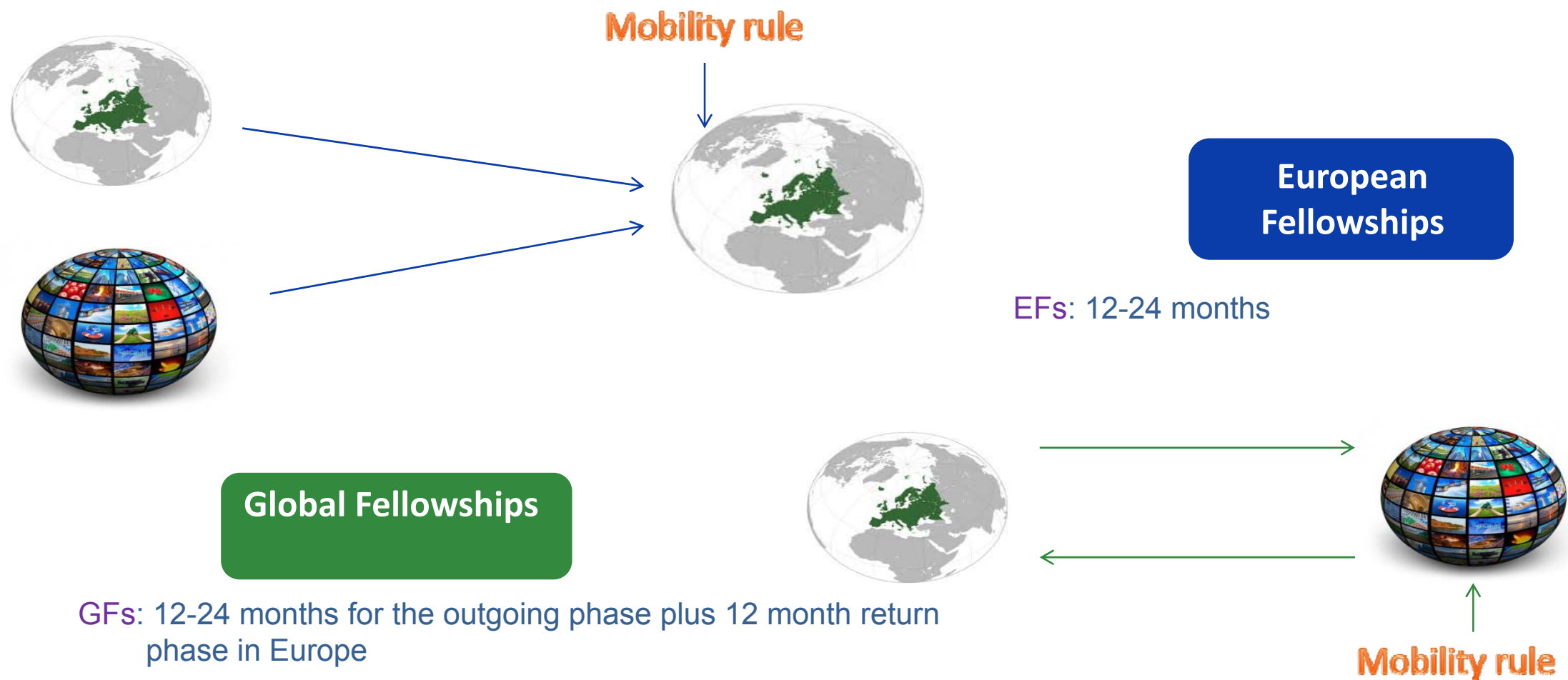
* AC: http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/3cpart/h2020-hi-list-ac_en.pdf?_ga=2.158655886



Only one proposal per experienced researcher can be submitted for this call of proposals



IF – European and Global



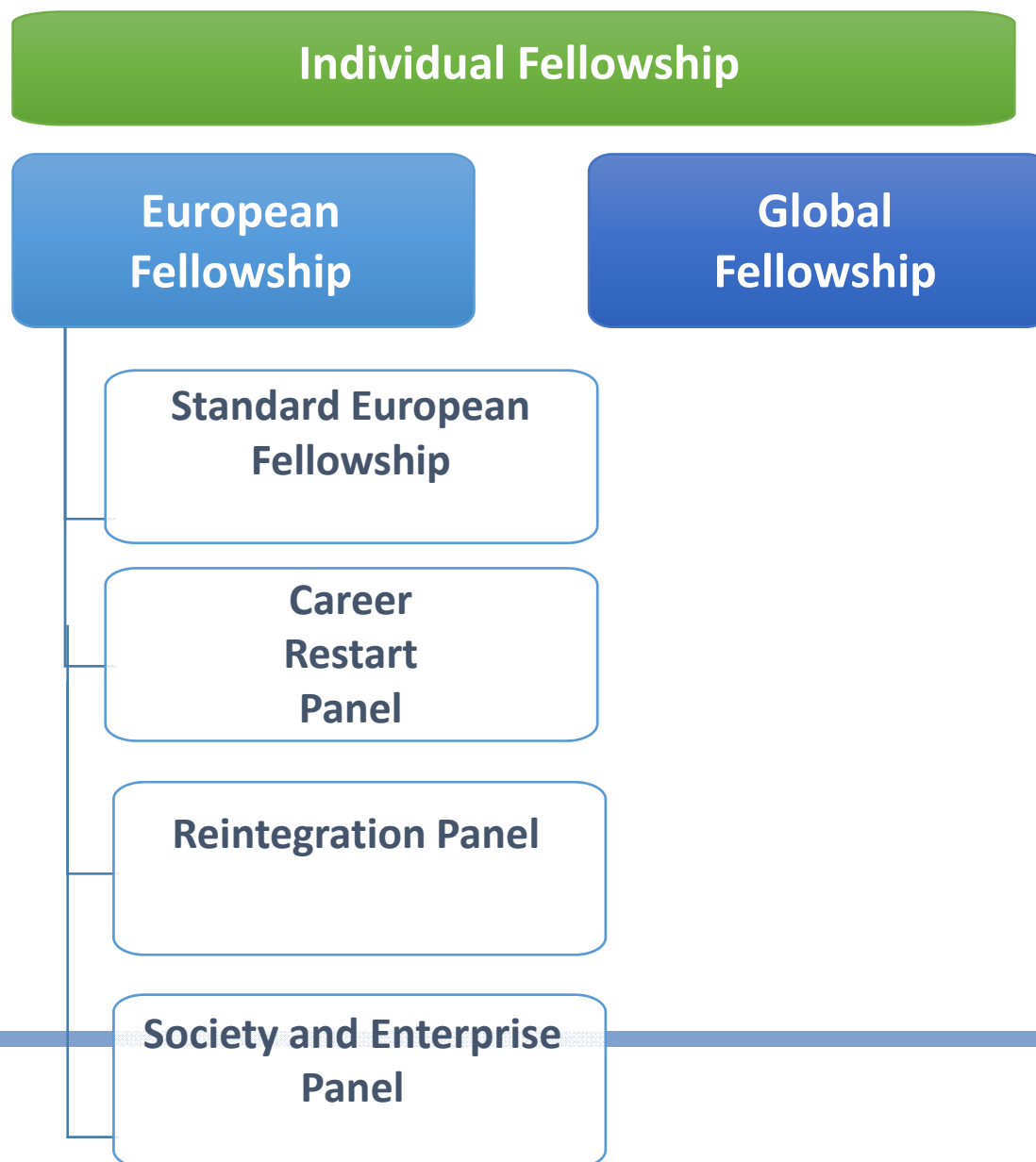
Mobility rule

The researcher must not have resided or carried out his/her main activity (work, studies, etc.) in the country of the host organisation for more than 12 months in the 3 years immediately prior to the deadline for submission of proposals.





Only one proposal per experienced researcher can be submitted for this call of proposals



Standard European Fellowships (EF-ST)

1. The researcher must be an **experienced researcher**
2. The researcher may be of **any nationality**. No age restrictions apply.
3. The researcher must **move or have moved** (transnational mobility) **from any country to the MS or AC** where the beneficiary is located.

The researcher must comply with the **mobility rule**:

The researcher must not have resided or carried out his/her main activity (work, studies, etc.) in the country of the beneficiary for more than 12 months in the 3 years immediately before the call deadline.

Career Restart Panel (EF-CAR)

The Career Restart Panel (CAR) is a multidisciplinary panel of the EF which provides financial support to individual researchers **who wish to resume research in Europe after a career break** (e.g. after parental leave, working outside research, etc.).

1. The researcher must be **an experienced researcher**
2. The researcher may be of **any nationality**. No age restrictions apply.
3. The researcher must **move or have moved** (transnational mobility) **from any country to the MS or AC** where the beneficiary is located.

The researcher must comply with the **CAR mobility rule**:

The researcher must not have resided or carried out the main activity (work, studies, etc.) in the country of the beneficiary for more than 36 months in the 5 years immediately before the call deadline.

Multidisciplinary panel

Career restart panel (CAR)

4. The experienced researcher must have had a career break in research, i.e. they were not active in research for a continuous period of **12 months within the eighteen months immediately prior to the deadline for submission of proposals** (i.e. between 13 April 2017 and 12 September 2018).

'Active in research' means **being employed or holding a scholarship in research**. Parental leaves and unpaid leaves of absence will not be counted as periods of active engagement in research, even if a formal employment relationship exists during these periods. Publication activities or mere association to a university (i.e. any other link to the university that is not considered as an employment contract or a fellowship agreement) are not taken into account either.

Reintegration Panel (EF-RI)

The Reintegration Panel is a multidisciplinary panel of the European Fellowships dedicated to researchers **who wish to return and reintegrate in a longer term research position in Europe.**

1. The researcher must be an **experienced researcher.**

2. The researcher must be a **national or long-term resident of a MS or AC.** No age restrictions apply.

Long-term residence means a period of legal and continuous residence within EU Member States or Horizon 2020 Associated Countries of at least 5 consecutive years. Periods of absence from the territory of the Member State or Horizon 2020 Associated Country shall be taken into account for the calculation of this period where they are shorter than 6 consecutive months and do not exceed in total ten months within this period of five years.

Multidisciplinary panel

Reintegration Panel (EF-RI)

3. The researcher must **move or have moved** (transnational mobility) **directly from a Third Country** (excluding compulsory national service and/or short stays such as holidays) **to the MS or AC where the beneficiary is located.**

The researcher must comply with the **RI mobility rule**:

The researcher must not have resided or carried out the main activity (work, studies, etc.) in the country of the beneficiary for more than 36 months in the 5 years immediately before the call deadline.

Multidisciplinary panel

Society & Enterprise Panel (EF-SE)

The Society & Enterprise Panel is a multidisciplinary panel of the European Fellowships dedicated to career opportunities for researchers seeking to work on research and innovation projects in an organisation from the non-academic sector.

1. The researcher must be **an experienced researcher**
2. The researcher may be of **any nationality**. No age restrictions apply.
3. The researcher must **move or have moved** (transnational mobility) **from any country to the MS or AC** where the beneficiary is located.

The researcher must comply with the **SE mobility rule**:

The researcher must not have resided or carried out the main activity (work, studies, etc.) in the country of the beneficiary for more than 36 months in the 5 years immediately before the call deadline.

Society & Enterprise Panel (EF-SE)

4. **The beneficiary must be an entity from the non-academic sector.**

- The non-academic status is assigned to entities **not** having the academic status, i.e. entities which are not:
 - Public or private higher education establishments awarding academic degrees
 - Public or private non-profit research institutes whose primary mission is to pursue research
 - International European interest organisations

GLOBAL FELLOWSHIPS (GF)

Global Fellowships are composed of an **outgoing phase** during which the researcher undertakes mobility to a **partner organisation** in a **TC for a period of between 12 and 24 months**, followed by a **mandatory 12-month return period** to the **beneficiary** located in a **MS or AC**.

1. The researcher must be an **experienced researcher**
2. The researcher must be **national or long-term resident of a MS or AC**. No age restrictions apply.
3. The researcher must **move or have moved** (transnational mobility) **from any country** to the partner organisation located in the **TC**.

The researcher must comply with the **GF mobility rule**:

The researcher must not have resided or carried out their main activity (work, studies, etc.) in the country of the TC partner organisation where the initial outgoing phase takes place for more than 12 months in the 3 years immediately before the call deadline.

GLOBAL FELLOWSHIPS (GF)

4.
 - a. **The beneficiary must be located in an MS or AC, and,**
 - b. **The partner organisation for the initial outgoing phase** must be situated in a **TC** and is the entity where the initial outgoing phase takes place.

Letter of commitment- GF

Each partner organisation in a TC must include an up-to-date letter of commitment in Part B of the proposal to demonstrate its real and active participation in the proposed action and its precise role should also be clearly described in the proposal.



Widening fellowships

- WF call is part of the Work Programme "Spreading Excellence and Widening Participation", not in MSCA WP
- Applicants should submit their proposal to the MSCA-IF-2018 call only.
- Call open from 12 April till 12 September
- When ranking list for MSCA-IF-2018 call is finalised:
- EF proposals to widening countries on the Main list of MSCA-IF-2018 will be funded under that call.
- Proposals not selected for funding and that have a chance to be funded under the WF call will be automatically resubmitted and considered for funding under the widening call, within the limits of the available budget.

Secondments

During the implementation of the IF the Experienced Researcher may be seconded to another institution in Europe. Such secondments must significantly **contribute to the impact** of the fellowship and therefore in certain research fields would be expected to take place in the **non-academic sector**.

The organisation where the secondment takes place is a partner organisation and must be located in the Member States or Associated Countries.

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

The secondment phase can be a single period or divided into shorter mobility periods

Optional secondment - Global Fellowships

- For Global Fellowships, such an optional secondment can also take place at the start of the action at the beneficiary or its entity with a capital or legal link and/or a partner organisation in a MS or AC for a maximum of 3 months, allowing the researcher to spend time there before moving on to a partner organisation in a Third country. In such cases, the initial secondment will be considered as part of the outgoing phase.

Short visit is not a "secondment"

- Secondments have a clear impact on the project, are planned before, and have a particular scope – for example, without the secondment the final results of the project would not be possible. A short visit on the other hand will have a limited impact and could be spontaneous.
- The purpose of a secondment is providing transfer of knowledge and training, while the aim of a short visit is simply to gather data and information.
- The secondment implies mobility to a partner organisation in a MS/AC.

Short visit \neq Secondment

Research, Training and Development

- A concrete plan of *training-through-research* at the host organisation's premises.



- well-defined **objective** in terms of career advancement (by attaining a leading independent position for example) or resuming a research career after a break.
- **final outcome** to develop and significantly widen the competences of the Experienced Researcher, particularly in terms of multi/interdisciplinary expertise, intersectoral experience and transferable skills.
- this plan comprises the researcher's **training and career needs**, including training on transferable skills, planning for publications and participation in conferences.

Transferable skills



Transferable skills :

- Training related to research and innovation: management of IPR, take up and exploitation of research results, communication, standardisation, ethics, scientific writing, personal development, team skills, multicultural awareness, gender issues, research integrity, etc.
- Training related to management or grant searching: involvement in the organisation of network activities, entrepreneurship, management, proposal writing, enterprise start-up, task co-ordination, etc.

Outreach & Communication



Outreach and Communication Activities in the MSCA under Horizon 2020

Guidelines

MSCA fellows are expected to engage in outreach activities as an integral part of their fellowship. Below is a non-exhaustive set of practical outreach activities that MSCA fellows could consider for their project.

Difference between communication and outreach

Outreach and communication activities are related, but are not the same and a good MSCA project should include a mix of both.

Outreach activities are meant to engage a large audience and to bring knowledge and expertise on a particular topic to the general public. Outreach activities can take several forms, such as school presentations, workshops, public talks and lab visits, etc. The objective of outreach is to explain the benefits of research to a larger public (the tax payers who fund your research). Outreach implies an interaction between the sender and the receiver of the message, there is an engagement and a two-way communication between the researcher and the public.

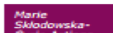
Communication, on the other hand, only goes in one direction from the sender to the receiver. Communication refers to articles in *mainstream* newspapers and magazines, or on TV and radio channels. Successful communication requires a clear language and attractive scientific subject with outstanding results that can catch the media's attention.

The European Commission is aware that not every MSCA researcher is undertaking research of interest to the mass media. You can start small and attempt having your research published in your local newspaper. Researchers should be able to explain their project to the large public in *accessible language*: imagine having to explain what you do to fellow commuters on your daily trip to work.

Possible activities

In order to give visibility to MSCA projects, fellows could take part in outreach activities such as:

- **Marie Skłodowska-Curie Ambassadors:** Fellows acting as "Ambassadors" organise activities with the aim of promoting their research to all public audiences. MSCA researchers visit schools and universities or assist educators in



http://ec.europa.eu/research/mariecurieactions/documents/documentation/publications/outreach_activities_en.pdf

Financial Aspects

Marie Skłodowska-Curie Action	Researcher unit cost person/month			Institutional unit cost person/month	
	Living allowance*	Mobility allowance	Family allowance	Research, training and networking costs	Management and indirect costs
Individual Fellowships	4880	600	500	800	650

* The country correction coefficients that will be applied are indicated in Table 4 in Part 3 of the Work Programme

The financial support for Marie Skłodowska-Curie IFs takes the form of a grant covering up to 100% of the costs.

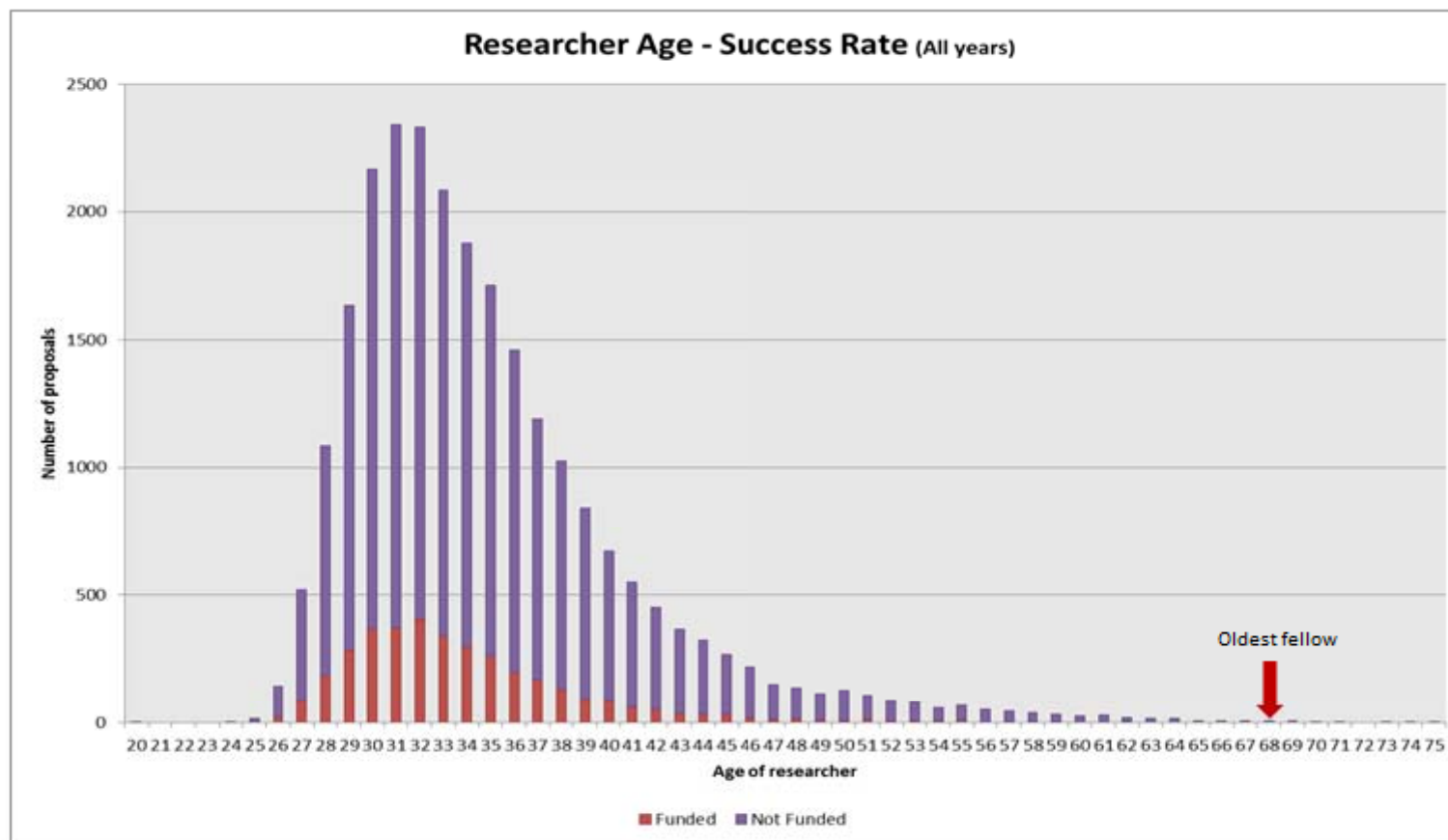
Call deadlines 2018

Opening date(s), deadline(s), indicative budget(s):⁷

Topics (Type of Action)	Budgets (EUR million)	Deadlines
	2018	
Opening: 12 Apr 2018		
MSCA-IF-2018 (MSCA-IF-EF-CAR)	220.00	12 Sep 2018
MSCA-IF-2018 (MSCA-IF-EF-RI)		
MSCA-IF-2018 (MSCA-IF-EF-ST)		
MSCA-IF-2018 (MSCA-IF-EF-SE)	8.00	
MSCA-IF-2018 (MSCA-IF-GF)	45.00	
Overall indicative budget	273.00	

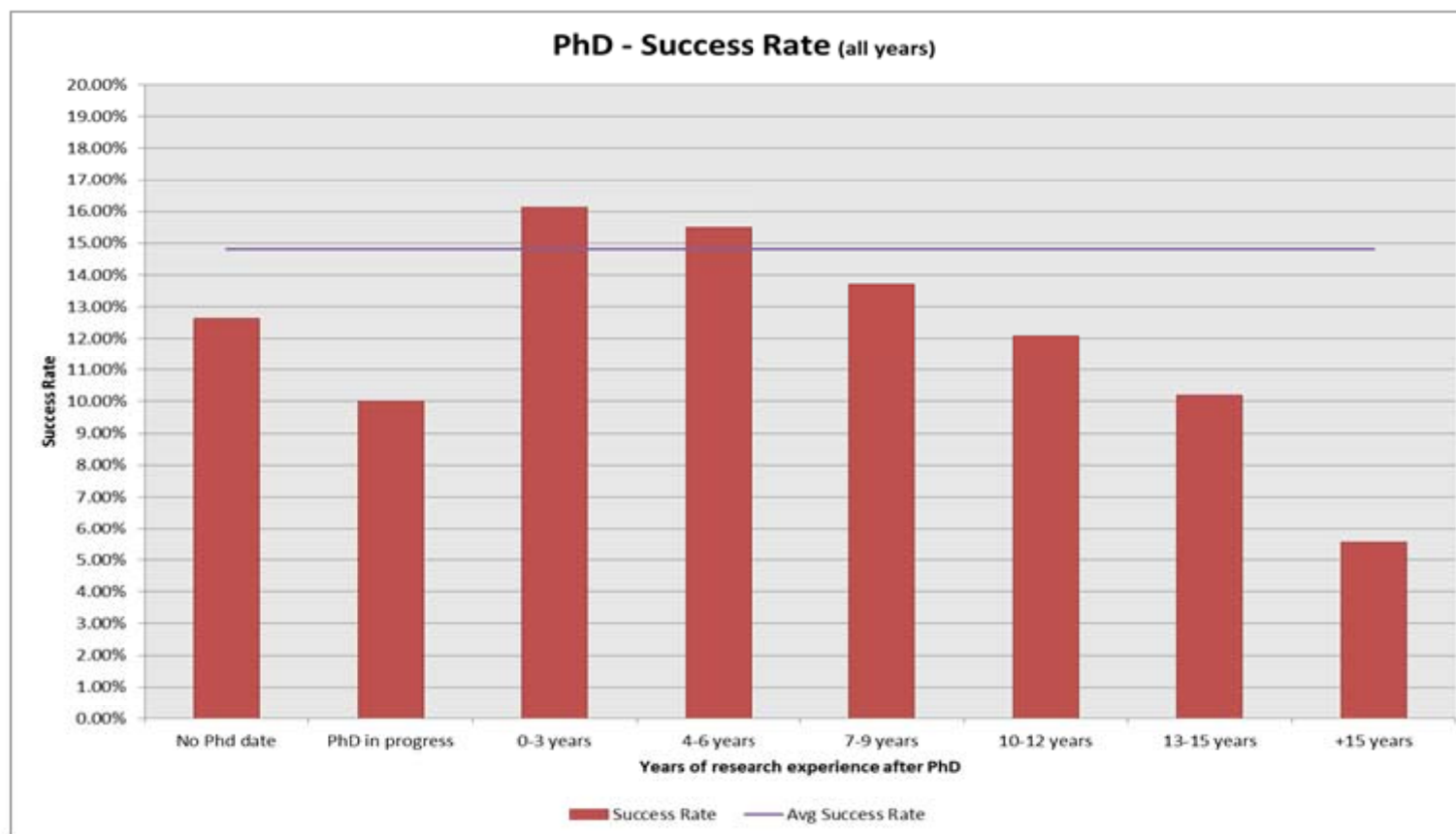
IF - Marie Skłodowska-Curie Individual Fellowships

Excellence	Impact	Quality and efficiency of the implementation
Quality and credibility of the research/innovation project; level of novelty, appropriate consideration of inter/multidisciplinary and gender aspects	Enhancing the future career prospects of the researcher after the fellowship	Coherence and effectiveness of the work plan, including appropriateness of the allocation of tasks and resources
Quality and appropriateness of the training and of the two way transfer of knowledge between the researcher and the host	Quality of the proposed measures to exploit and disseminate the project results	Appropriateness of the management structure and procedures, including risk management
Quality of the supervision and of the integration in the team/institution	Quality of the proposed measures to communicate the project activities to different target audiences	Appropriateness of the institutional environment (infrastructure)
Potential of the researcher to reach or re-enforce professional maturity/independence during the fellowship		
50%	30%	20%
Weighing		
1	2	3
Priority in case of <i>ex aequo</i>		
NB: An overall threshold of 70% will be applied to the total weighted score.		



Figures based on IF 2014, 2015 and 2016 proposals

Research
Executive
Agency



Figures based on IF 2014, 2015 and 2016 proposals

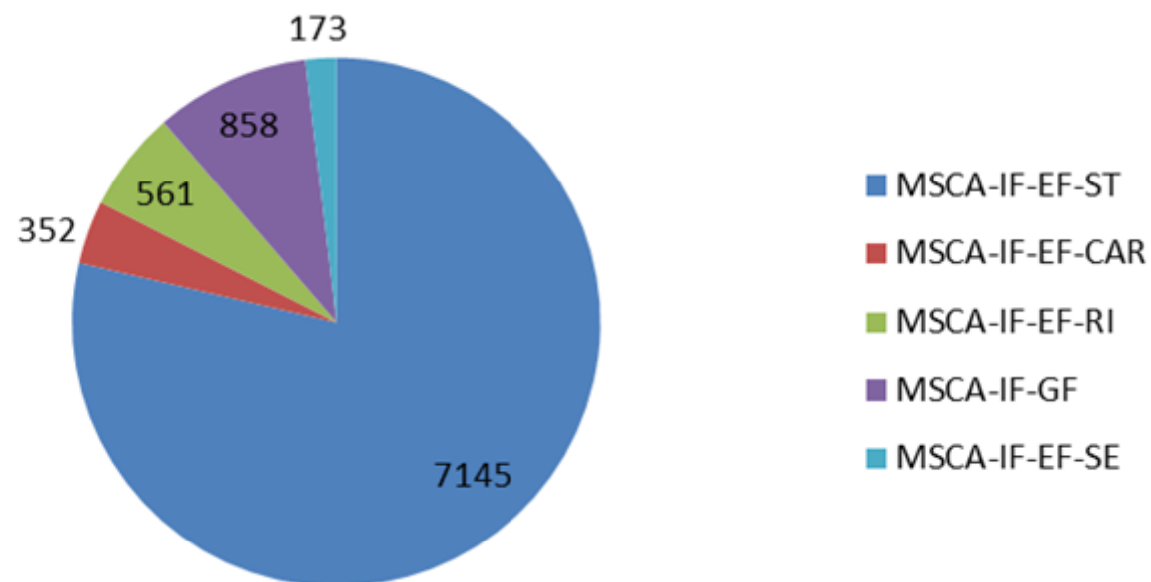
Research
Executive
Agency

IF 2017: Submissions



new record: 9089

Submissions per action



MSCA-IF-2017 : Cumulative percentage of proposals above threshold, with a given score or higher (funding range marked in green)

eligible is	322 proposals	533 proposals	204 proposals	1012 proposals	178 proposals	850 proposals	883 proposals	1701 proposals	167 proposals	763 proposals	1511 proposals	71 proposals	21 proposals	99 proposals	124 proposals	213 proposals	8 proposals	65 proposals
to or	CAR	RI	SE	ST-CHE	ST-ECO	ST-ENG	ST-ENV	ST-LIF	ST-MAT	ST-PHY	ST-SOC	GF-CHE	GF-ECO	GF-ENG	GF-ENV	GF-LIF	GF-MAT	GF-PHY
	0.00%	0.38%	0.00%	0.00%	0.56%	0.12%	0.00%	0.00%	0.60%	0.00%	0.13%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	0.31%	0.56%	0.00%	0.00%	0.56%	0.47%	0.45%	0.35%	0.60%	0.00%	0.46%	0.00%	0.00%	1.01%	0.81%	0.00%	0.00%	0.00%
	0.62%	0.94%	0.00%	0.20%	0.56%	1.53%	0.57%	1.06%	0.60%	0.13%	0.99%	0.00%	0.00%	2.02%	3.23%	0.00%	0.00%	0.00%
	1.86%	2.06%	0.49%	1.09%	0.56%	2.94%	1.02%	2.29%	1.20%	1.05%	2.51%	0.00%	0.00%	4.04%	4.03%	0.94%	0.00%	0.00%
	2.80%	4.32%	0.49%	2.47%	1.12%	4.59%	3.51%	4.59%	2.99%	2.10%	4.17%	4.23%	0.00%	7.07%	4.84%	2.82%	0.00%	0.00%
	5.28%	8.44%	1.47%	4.35%	1.12%	6.59%	5.89%	8.29%	5.39%	2.62%	5.43%	7.04%	0.00%	9.09%	5.65%	4.23%	0.00%	3.08%
	6.83%	12.20%	3.43%	6.92%	3.93%	8.94%	9.51%	11.58%	7.78%	4.06%	7.61%	11.27%	4.76%	11.11%	9.68%	6.57%	0.00%	4.62%
	9.63%	16.70%	5.88%	9.49%	6.18%	11.41%	12.34%	15.29%	9.58%	6.42%	9.86%	16.90%	4.76%	17.17%	15.32%	10.33%	12.50%	6.15%
	12.42%	20.26%	8.82%	12.75%	7.30%	13.06%	15.63%	18.17%	13.17%	9.70%	11.52%	21.13%	4.76%	22.22%	17.74%	14.08%	25.00%	12.31%
	15.22%	25.89%	9.80%	16.30%	9.55%	16.00%	19.25%	21.34%	16.17%	12.19%	14.56%	22.54%	4.76%	25.25%	22.58%	17.84%	25.00%	20.00%
	17.39%	29.64%	10.78%	19.07%	12.36%	18.47%	22.54%	24.93%	18.56%	16.12%	17.47%	28.17%	4.76%	32.32%	26.61%	21.60%	25.00%	23.08%
	18.32%	33.96%	12.75%	22.83%	14.61%	21.76%	25.59%	28.45%	22.16%	19.66%	19.66%	29.58%	4.76%	36.36%	29.84%	23.94%	25.00%	26.15%
	21.12%	37.90%	17.65%	27.17%	18.54%	24.94%	28.65%	32.16%	23.95%	23.98%	22.63%	32.39%	19.05%	40.40%	34.68%	27.23%	25.00%	29.23%
	23.60%	40.71%	20.59%	31.03%	20.22%	27.06%	32.50%	36.16%	26.95%	27.39%	25.08%	40.85%	38.10%	42.42%	41.94%	30.52%	25.00%	35.38%
	27.02%	43.15%	23.53%	35.18%	21.35%	30.59%	36.35%	40.21%	33.53%	33.16%	28.33%	43.66%	38.10%	43.43%	43.55%	34.27%	25.00%	38.46%
	30.12%	47.09%	25.98%	38.93%	23.60%	33.41%	40.43%	44.39%	39.52%	36.83%	30.64%	52.11%	52.38%	46.46%	47.58%	38.03%	25.00%	41.54%
	31.06%	49.16%	27.94%	42.09%	27.53%	37.41%	45.07%	47.68%	41.92%	41.42%	33.42%	52.11%	52.38%	50.51%	53.23%	39.91%	25.00%	52.31%
	34.16%	54.41%	29.90%	46.44%	28.65%	41.18%	49.26%	51.97%	45.51%	45.74%	36.47%	56.34%	61.90%	52.53%	58.87%	42.72%	25.00%	55.38%
	36.02%	55.72%	34.80%	51.09%	30.90%	43.65%	51.53%	56.32%	50.30%	49.41%	39.51%	60.56%	61.90%	56.57%	62.90%	49.30%	50.00%	58.46%
	39.13%	58.16%	36.27%	55.34%	32.02%	47.65%	54.25%	60.14%	52.69%	53.47%	43.15%	61.97%	66.67%	56.57%	65.32%	54.46%	62.50%	61.54%
	43.48%	61.16%	39.71%	60.08%	36.52%	50.12%	57.76%	63.67%	55.09%	58.72%	46.19%	61.97%	66.67%	58.59%	67.74%	58.22%	62.50%	67.69%
	45.96%	64.17%	43.14%	63.83%	40.45%	53.41%	60.02%	66.96%	57.49%	62.65%	48.31%	66.20%	66.67%	60.61%	70.97%	61.03%	75.00%	70.77%
	48.14%	67.54%	45.59%	67.19%	43.26%	56.59%	62.17%	70.14%	60.48%	66.71%	51.56%	67.61%	66.67%	61.62%	71.77%	64.32%	75.00%	75.38%
	51.55%	70.36%	47.55%	68.87%	45.51%	59.53%	64.44%	72.37%	62.87%	69.99%	54.00%	67.61%	71.43%	64.65%	74.19%	68.54%	75.00%	75.38%
	54.04%	73.73%	49.02%	70.85%	47.19%	61.41%	67.27%	74.80%	66.47%	72.35%	57.11%	70.42%	71.43%	65.66%	79.03%	72.30%	75.00%	76.92%
	56.52%	75.80%	51.47%	72.63%	50.00%	64.35%	69.08%	76.19%	68.26%	76.28%	59.30%	77.46%	71.43%	66.67%	79.84%	75.59%	75.00%	78.46%
	57.76%	77.49%	53.43%	74.70%	52.81%	66.71%	71.12%	78.07%	70.06%	78.24%	61.28%	78.87%	71.43%	67.68%	80.65%	79.34%	75.00%	80.00%
	59.63%	79.36%	56.37%	76.78%	53.93%	68.71%	73.16%	80.25%	70.06%	79.69%	64.39%	80.28%	71.43%	70.71%	82.26%	80.28%	75.00%	80.00%
	61.18%	80.68%	57.84%	78.36%	55.06%	69.65%	74.86%	82.54%	72.46%	82.18%	66.91%	81.69%	71.43%	71.72%	82.26%	82.16%	87.50%	80.00%
	63.98%	81.61%	59.31%	80.34%	58.43%	71.41%	77.01%	84.60%	73.05%	83.09%	68.83%	81.69%	71.43%	76.77%	82.26%	84.04%	87.50%	83.08%
	64.91%	82.93%	61.76%	82.61%	59.55%	73.53%	79.50%	86.48%	78.44%	85.71%	71.61%	84.51%	76.19%	79.80%	83.87%	85.92%	87.50%	84.62%
Percentage of below (70)	35.09%	17.07%	38.24%	17.39%	40.45%	26.47%	20.50%	13.52%	21.56%	14.29%	28.39%	15.49%	23.81%	20.20%	16.13%	14.08%	12.50%	15.38%



RESEARCH & INNOVATION

Participant Portal

European Commission > Research & Innovation > Participant Portal > Calls

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EU Programmes 2014-2020

Search Topics

Updates

Calls

H2020

3rd Health Programme

Asylum, Migration and
Integration Fund

Consumer Programme

COSME

Internal Security Fund - Borders

Internal Security Fund - Police

Justice Programme

Pilot Projects & Preparatory
Actions

Promotion of Agricultural
Products

Research Fund for Coal & Steel

Rights, Equality and Citizenship
Programme

Calls for Proposals



Horizon 2020

Advanced search for topics
Calls for tenders on TED

- ☐ Excellent Science
 - ☐ European Research Council (ERC)
 - ☐ Future and Emerging Technologies (FET)
 - ☒ Marie-Sklodowska-Curie Actions
 - ☐ Research Infrastructures
- ☐ Industrial Leadership
 - ☐ Leadership in enabling and industrial technologies (LEIT)
 - ☐ Information and Communication Technologies

Status ☒ Calls with forthcoming topics ☒ Calls with open topics ☐ Calls with only closed topics

Sort by ☐ Call title ☐ Call identifier ☒ Publication date Filter a call FILTER

Excellent Science

Marie Skłodowska-Curie Co-funding
of regional, national and inter ...
H2020-MSCA-COFUND-2017

Publication date: 14 October 2015

Excellent Science

Marie Skłodowska-Curie Individual
Fellowships
H2020-MSCA-IF-2017

Publication date: 14 October 2015

Excellent Science

Trans-national cooperation among
Marie Skłodowska-Curie National
Contact Points
H2020-MSCA-NCP-2017

Publication date: 14 October 2015

In addition to the search facilities, the full list of H2020 Calls can be found [here](#).



H2020 Programme Guide for Applicants

Marie Skłodowska-Curie Actions Individual Fellowships (IF)

Version 1.0

12 April 2018

Disclaimer

This guide aims to facilitate potential applicants. It is provided for information purposes only and is not intended to replace consultation of any applicable legal sources. Neither the European Commission nor the Research Executive Agency (or any person acting on their behalf) can be held responsible for the use made of this guidance document.



EN

Horizon 2020

Work Programme 2018-2020

3. Marie Skłodowska-Curie actions

Important notice on the Horizon 2020 Work Programme

This Work Programme covers 2018, 2019 and 2020. The parts that relate to 2019 and 2020 are provided at this stage on an indicative basis. Such Work Programme parts will be decided during 2018 and/or 2019.

(European Commission Decision C(2017)7124 of 27 October 2017)

Links

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

RESEARCH & INNOVATION
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Promotion of Agricultural Products
Consumer Programme
COSME
Justice Programme

FP7 & CIP Programmes 2007-2013
Calls
Other Funding Opportunities

Calls for Proposals

Horizon 2020
Advanced search for topics
Calls for tenders on TED

Excellent Science
European Research Council (ERC)
Future and Emerging Technologies (FET)
Marie-Sklodowska-Curie Actions
Research Infrastructures
Industrial Leadership
Leadership in enabling and industrial technologies (LEIT)
Information and Communication Technologies

Status ☒ Calls with forthcoming topics ☒ Calls with open topics ☐ Calls with only closed topics

Sort by ☐ Call title ☐ Call identifier ☒ Publication date Filter 3 call FILTER

Industrial Leadership
H2020-ECSEL-2016-2-IA-two-stage
H2020-ECSEL-2016-2-IA-two-stage
Publication date: 15 March 2016

Industrial Leadership
H2020-ECSEL-2016-1-RIA-two-stage
H2020-ECSEL-2016-1-RIA-two-stage
Publication date: 15 March 2016

Societal Challenges
Clean Sky 2 Call for Proposals 03
H2020-CS2-CPPO3-2016-01
Publication date: 10 March 2016

Societal Challenges
H2020-JTI-IMI2-2015-08-single-stage
H2020-JTI-IMI2-2015-08-single-stage
Publication date: 18 December 2015

The European Institute of Innovation and Technology
EIT KICs Call 2016
EIT-KICs-2016
Publication date: 14 January 2016

Societal Challenges
H2020-JTI-IMI2-2015-08-single-stage
H2020-JTI-IMI2-2015-08-single-stage
Publication date: 18 December 2015

European Research and Training Programme 2014-2018
Prize-Innovation SOFT
Publication date: 19 January 2016

Societal Challenges
SESAR2020 IX-VLD Wave 1
H2020-SESAR-2015-2
Publication date: 14 January 2016

Excellent Science
Marie Skłodowska-Curie Innovative Training Networks
Publication date: 18 December 2015

RESEARCH & INNOVATION
Marie Skłodowska-Curie actions

European Commission > Research & Innovation > Marie Skłodowska-Curie Actions

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Share

Open calls
MSCA-RISE-2016 (MSCA-RISE)
Deadline: 28/04/2016
See all open calls

Marie Skłodowska-Curie Actions
Welcoming researchers to Europe
Information for researchers affected by conflicts

Welcoming researchers to Europe - New! Arabic version already available!
The Marie Skłodowska-Curie actions of the EU Horizon 2020 programme are fully committed to ensuring that equal opportunities are provided to researchers whose scientific careers have been interrupted. Read more

Marie Skłodowska-Curie actions - Research Fellowship Programme

The Marie Skłodowska-Curie actions, named after the double Nobel Prize winning Polish-French scientist famed for her work on radioactivity, support researchers at all stages of their careers, irrespective of nationality. Researchers working across all disciplines, from life-saving healthcare to 'blue-sky' science, are eligible for funding. The MSCA also support industrial doctorates, combining academic research study with work in companies, and other innovative training that enhances employability and career development.

In addition to generous research funding, scientists have the possibility to gain experience abroad and in the private sector, and to complete their training with competences or disciplines useful for their careers. More information about various funding schemes and requirements for applying is available below.

Discover more about Marie Skłodowska-Curie actions fellowships

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

PRE

per la Promozione
Ricerca Europea

enterprise
europe
network
Business Support on Your Doorstep

Links

http://cordis.europa.eu/projects/home_it.html

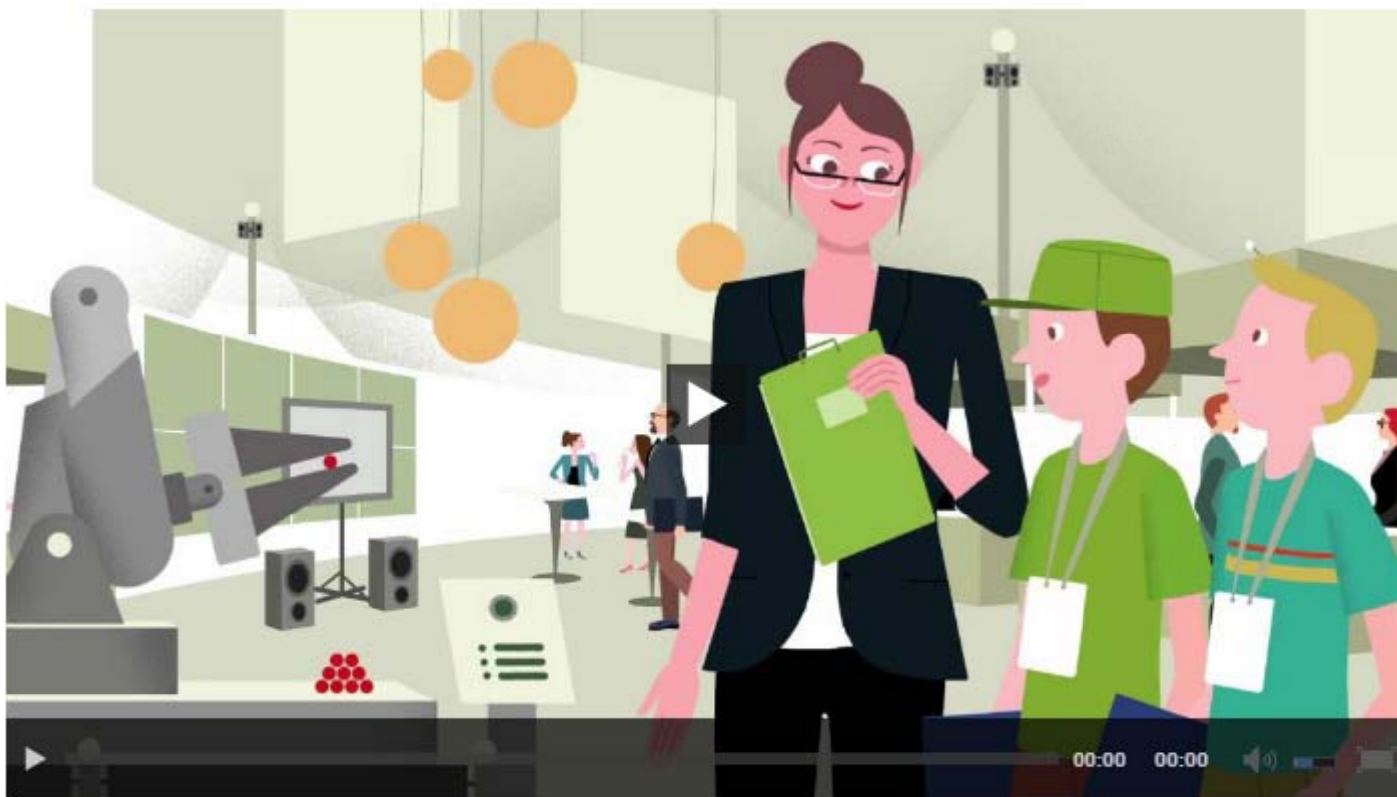


<http://ec.europa.eu/programmes/horizon2020/en/h2020-section/marie-sk%C5%82odowska-curie-actions>

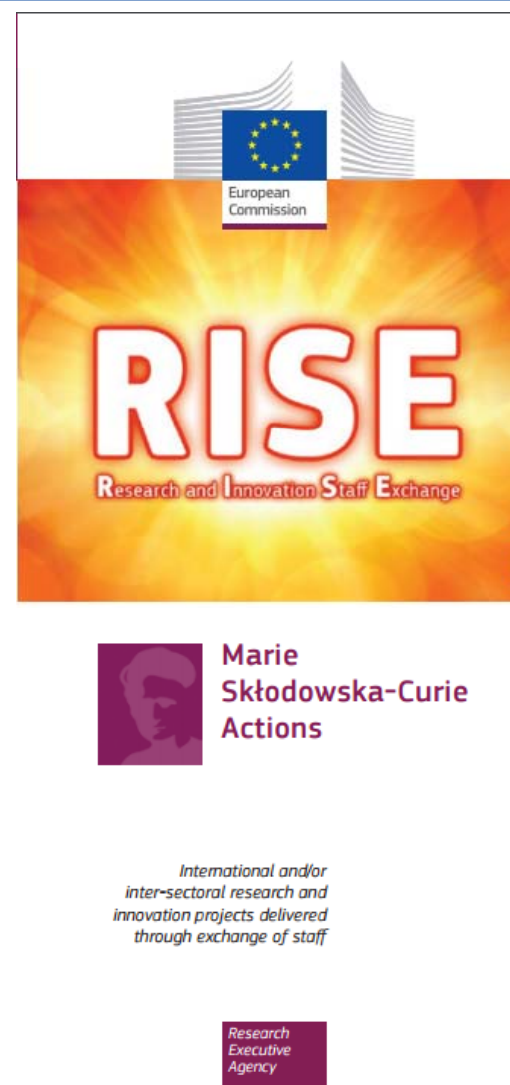
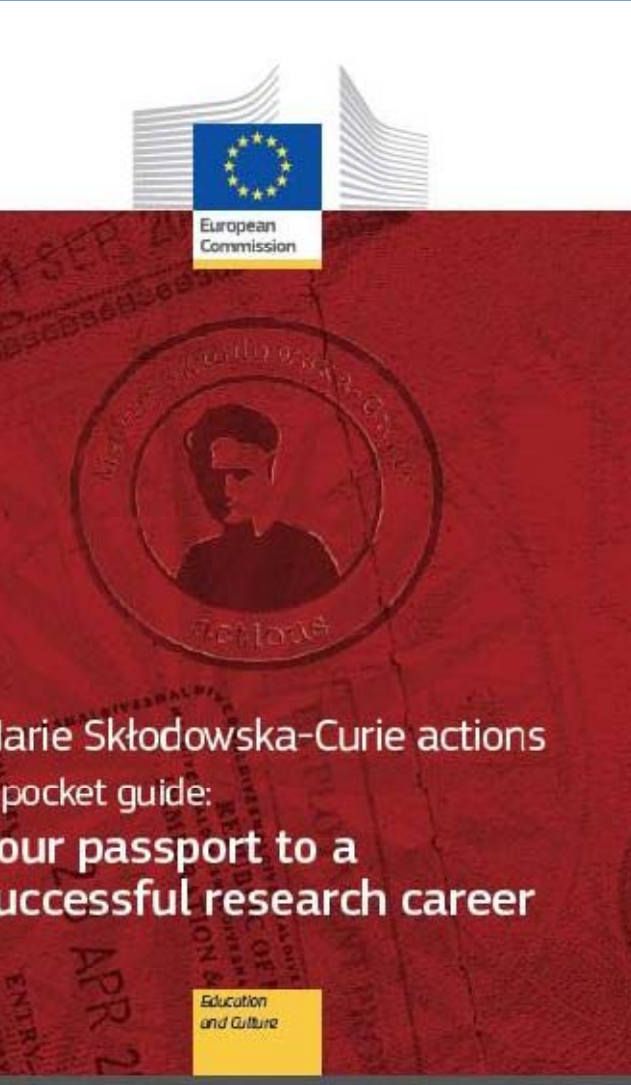
PRE

a per la Promozione
Ricerca Europea

Video



http://ec.europa.eu/research/mariecurieactions/media-library/videos/items/20150619-follow-marie-curie_en.htm



<http://ec.europa.eu/programmes/horizon2020/en/newsroom/547>

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[Facebook](#)



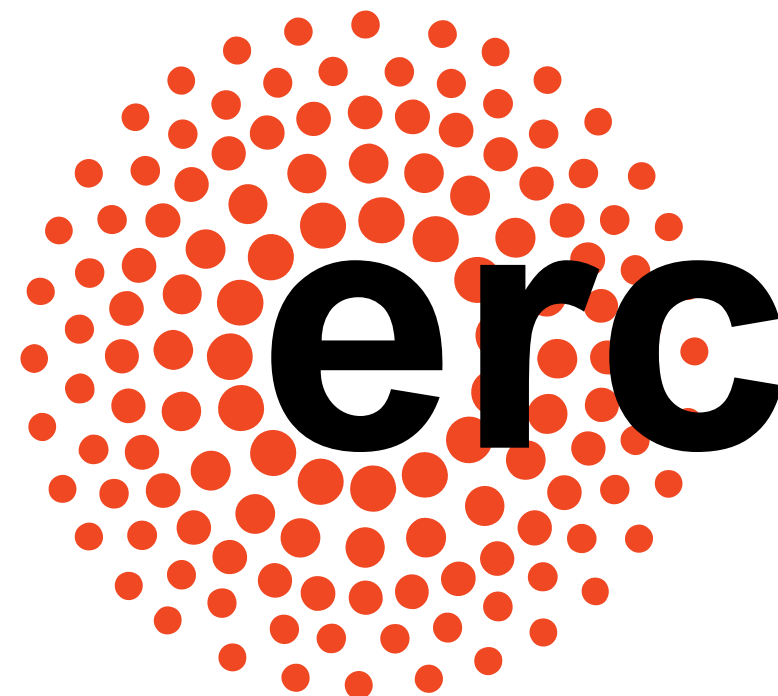
[Linkedin](#)

You  [APRE Youtube](#)

Assistenza NCP

- orientamento e individuazione del bando più adatto
- lettura delle proposte (pre screening)
- supporto nel costruire il piano finanziario
- fornire informazioni di tipo legale
- suggerire le politiche di riferimento
- signposting: fare da ponte con i Punti di Contatto Nazionale di altri programmi europei
- interpretazione dei moduli
- buone prassi di scrittura dei progetti
- informazione sui sistemi di ricerca di paesi, europei e non, attraverso i punti di contatto in loco

ERC Starting Grant

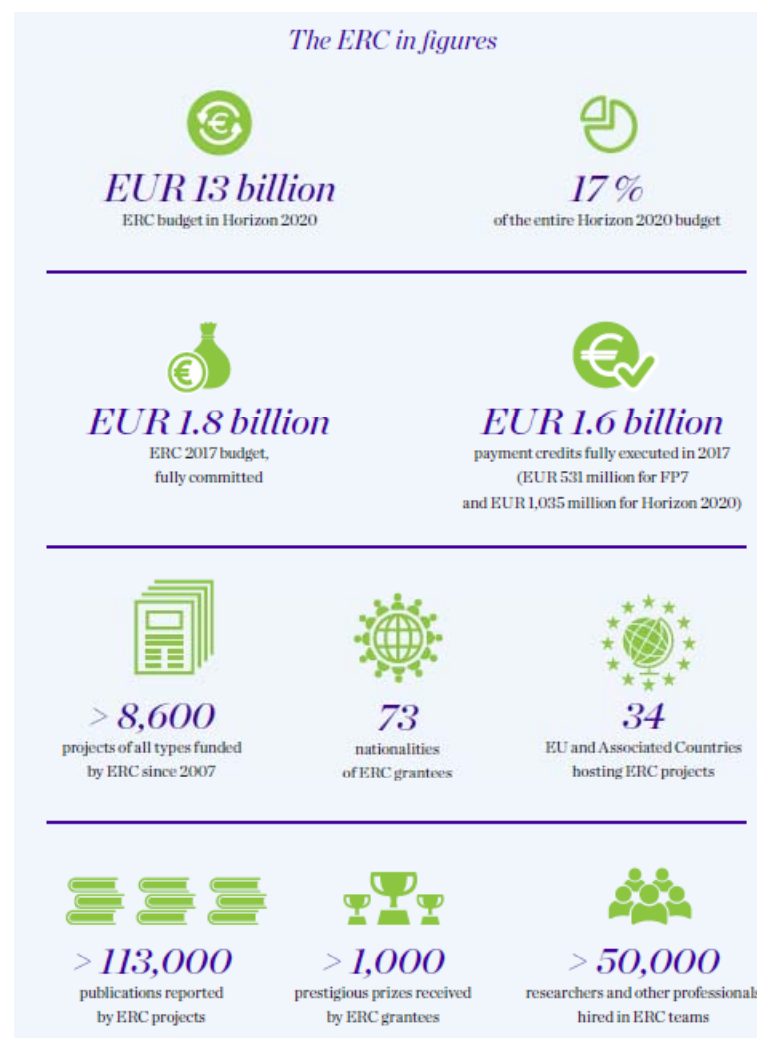


Angelo D'Agostino

National Contact Point Horizon 2020 - Marie Skłodowska-Curie Actions, Science with
and for Society, ERC

Horizon 2020

Excellent science	Industrial leadership	Societal challenges
<ul style="list-style-type: none"> European Research Council Frontier and Emerging Technologies Marie Skłodowska-Curie actions European Research Infrastructures, including e-Infrastructures 	<ul style="list-style-type: none"> Leadership in enabling and industrial technologies Information and Communication Technologies Nanotechnologies, Advanced Materials, Advanced Manufacturing and Processing, and Biotechnology Space Access to risk finance Innovation in SMEs <ul style="list-style-type: none"> The SME Instrument The Eurostars programme 	<ul style="list-style-type: none"> Health, demographic change and wellbeing Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy Secure, clean and efficient energy Smart, green and integrated transport Climate action, environment, resource efficiency and raw materials Europe in a changing world - inclusive, innovative and reflective societies Secure societies - protecting freedom and security of Europe and its citizens.
Fast Track to Innovation Pilot (2015-2016)		
Spreading Excellence and Widening Participation		
Science with and for Society		
European Institute of Innovation and Technology (EIT)		
7/11/2015	Euratom	13

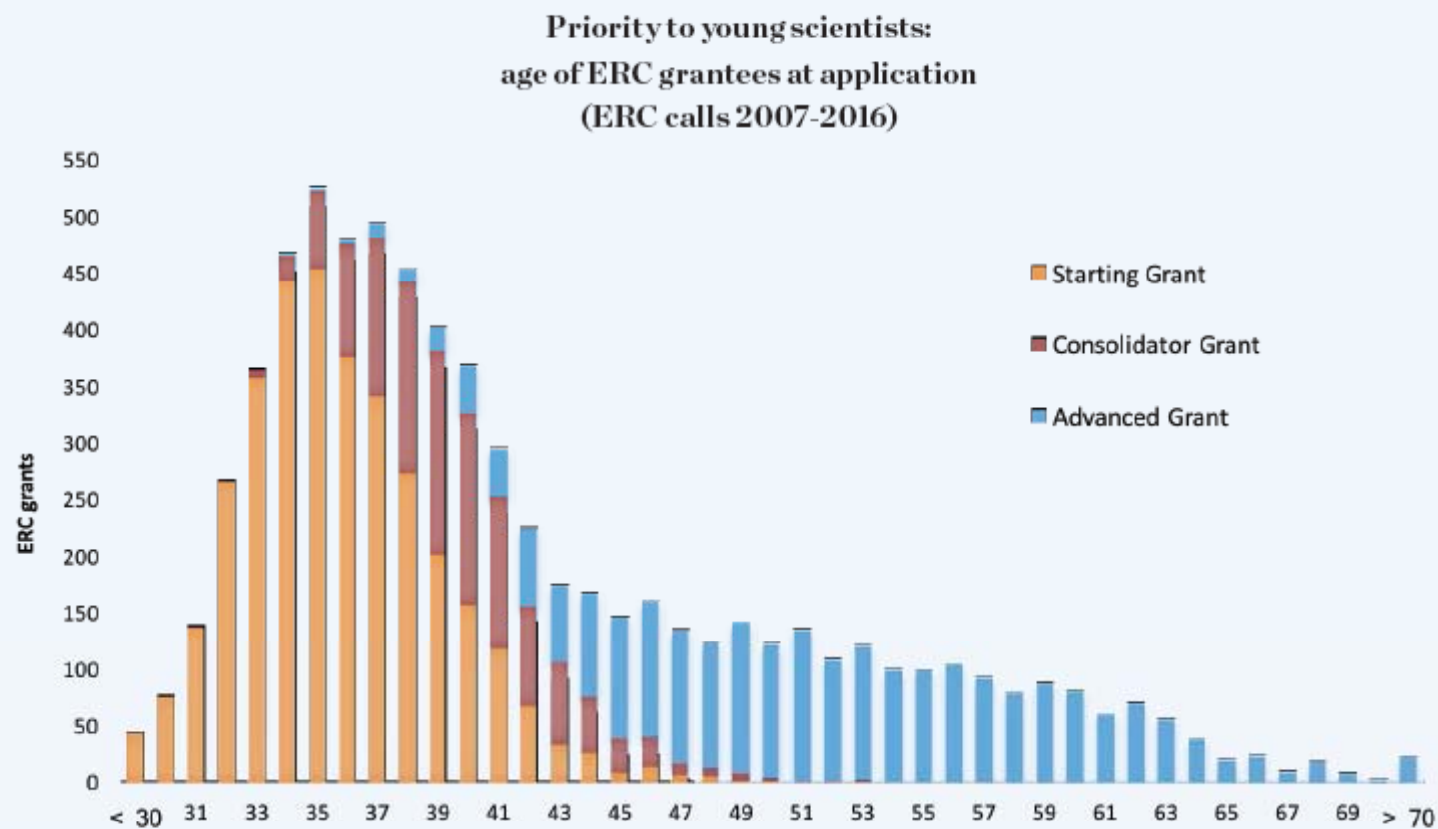


https://erc.europa.eu/sites/default/files/document/file/erc_annual_report_2017.pdf

Key achievements after 10 years

- Researchers: nearly **7,000 grantees** and **>50,000 team members**, mostly PhD students and post-docs, funded with €12 billion.
- The majority of these 7,000 ERC winners are **less than 40 years old**
- >70% of completed projects led to discoveries or major advances
- **6 Nobel Prizes**, 4 Fields Medals and dozens of important prizes awarded to ERC grantees
- 100,000 articles published in scientific journals, including >5,500 articles in the 1% most cited scientific journals. In 2014, Europe surpassed the US for the first time in this respect, and ERC grantees contributed to this.
- Global recognition: ERC highly praised by the scientific community also beyond Europe
- 9 countries signed international agreements with the Commission to allow short-term visits for their non-European researchers to ERC projects
- **>180 researchers moved to Europe with the ERC** grant, of which most are returning Europeans
- National research funding: 8 countries set up national research councils inspired by the ERC model; 17 countries adapted their funding to follow or to complement ERC competitions
- Innovation: ERC projects led to >800 patent applications and >75 new ventures

https://erc.europa.eu/sites/default/files/press_release/files/10yrs_ERC_Week.pdf



Mission

The ERC's **mission** is to encourage the highest quality research in Europe through competitive funding and to support investigator-driven frontier research across all fields, on the basis of scientific excellence.

The **aim** here is to recognise the best ideas, and confer status and visibility on the best brains in Europe, while also attracting talent from abroad.

What is 'frontier research' ?

Today the distinction between 'basic' and 'applied' research has become blurred, due to the fact that emerging areas of science and technology often cover substantial elements of both. As a result, the term 'frontier research' was coined for ERC activities since they will be directed towards fundamental advances at and beyond the 'frontier' of knowledge

Budget

The ERC represents 17% of the overall Horizon 2020 budget (**€ 13.1 billion** of € 77 billion).

The total budget allocated to the ERC for the period 2014-2020 is € 13.1 billion. Which means, in real terms (i.e. without considering inflation), an increase of 60 % compared to FP7



ERC

- to provide attractive, long-term funding to support excellent investigators and their research teams to pursue *ground-breaking, high-gain/ high-risk research*.
- Scientific excellence is the sole criterion
- Applications can be made in any field of research

Applications can be made in any field of research

- The ERC's frontier research grants operate on a 'bottom-up' basis without predetermined priorities.
- In particular, it encourages proposals of a multi- or interdisciplinary nature which cross the boundaries between different fields of research, pioneering proposals addressing new and emerging fields of research or proposals introducing unconventional, innovative approaches and scientific inventions.

Q: Must the Principal Investigator applying for an ERC Starting Grant 2018 (ERC-2018-STG) choose the appropriate ERC peer review evaluation panel for their proposal?

A: According to the conditions of the ERC Starting Grant 2018 call, the applicant must choose a primary evaluation panel and may also indicate a secondary evaluation panel. They should indicate when they believe that their proposal is of a cross-panel or cross-domain nature. In most cases the proposal will be evaluated by the primary panel indicated by the applicant. However, if the scope of a proposal does not correspond to the expertise of the primary panel, the proposal can be reallocated to another panel, if the panel chairs of the original and the new panel agree to do so.

Evaluation Panel Structure (WP2018)

Physics & Engineering

Mathematics
Mathematics, pure and applied, plus mathematical foundations of computer science, mathematical physics and statistics.

Fundamental Constituents of Matter
Particle physics, plasma, atomic, molecular, gas, and optical physics.

Condensed Matter Physics
Solid state physics, electronic properties, fluids, nanosciences, biological physics.

Physical and Analytical Chemical Sciences
Chemical physics, chemistry, chemical theory, physical chemistry/chemical physics.

Inorganic Chemistry and Materials
Inorganic chemistry, synthesis, structure-properties relations, functional and advanced materials, materials science, architecture, organic chemistry.

Computer Science and Informatics
Computer science, information systems, computer science, scientific computing, intelligent systems.

Electronics and Communication Engineering
Electronics, electronic, communication, optical and systems engineering.

Manufacturing and Processes Engineering
Manufacturing, process design and control, construction methods, civil engineering, energy engineering, material engineering.

Astronomy and Space Sciences
Astrophysics, chemistry/biology; solar system; stellar, galactic and extragalactic astronomy, cosmology, cosmology, space science, instrumentation.

Earth System Science
Earth science, geology, geophysics, atmospheric sciences, oceanography, climatology, environmental science, global environmental change, biogeochemical cycles, natural resources.

Life Sciences

LS1 Molecular Biology, Biochemistry, Structural Biology and Molecular Biophysics
Molecular synthesis, modification, mechanisms and interactions; biochemistry; structural biology, molecular biophysics; metabolism; signalling pathways.

LS2 Genetics, 'Omics', Bioinformatics and Systems Biology
Molecular genetics, quantitative genetics, genetic epidemiology, epigenetics, genomics, metagenomics, transcriptomics, proteomics, metabolomics, glycomics, bioinformatics, computational biology, biostatistics, systems biology.

LS3 Cellular and Developmental Biology
Cell biology, cell physiology, signal transduction, organogenesis, developmental genetics, pattern formation, stem cell biology, in plants and animals and where appropriate in microorganisms.

LS4 Physiology, Pathophysiology and Endocrinology
Organ physiology, pathophysiology, endocrinology, metabolism, ageing, tumorigenesis, cardiovascular diseases, metabolic syndromes.

LS5 Neurosciences and Neural Disorders
Neural cell function and signalling, systems neuroscience, neural bases of cognitive and behavioural processes, neurological and psychiatric disorders.

LS6 Immunity and Infection
The immune system and related disorders, biology of infectious agents and infection, biological basis of prevention and treatment of infectious diseases.

LS7 Applied Medical Technologies, Diagnostics, Therapies and Public Health
Development of tools for diagnosis, monitoring and treatment of diseases, pharmacology, clinical medicine, regenerative medicine, epidemiology and public health.

LS8 Ecology, Evolution and Environmental Biology
Population, community and ecosystem ecology, evolutionary biology, behavioural ecology, microbial ecology.

LS9 Applied Life Sciences, Biotechnology and Molecular and Biosystems Engineering
Applied plant and animal sciences; food sciences; forestry; applied biotechnology; environmental and marine biotechnology; applied bioengineering; biomass; biofuels; biohazards.

Social Sciences & Humanities

SH1 Individuals, Markets and Organisations
Economics, finance and management.

SH2 Institutions, Values, Environment and Space
Political science, law, sustainability science, geography, regional studies.

SH3 The Social World, Diversity, Population
Sociology, social psychology, social anthropology, demography, education.

SH4 The Human Mind and Its Complexity
Cognitive science, psychology, linguistics, philosophy of mind.

SH5 Cultures and Cultural Production
Literature, philology, cultural studies, study of the arts, philosophy.

SH6 The Study of the Human Past
Archaeology and history.

Independent researchers

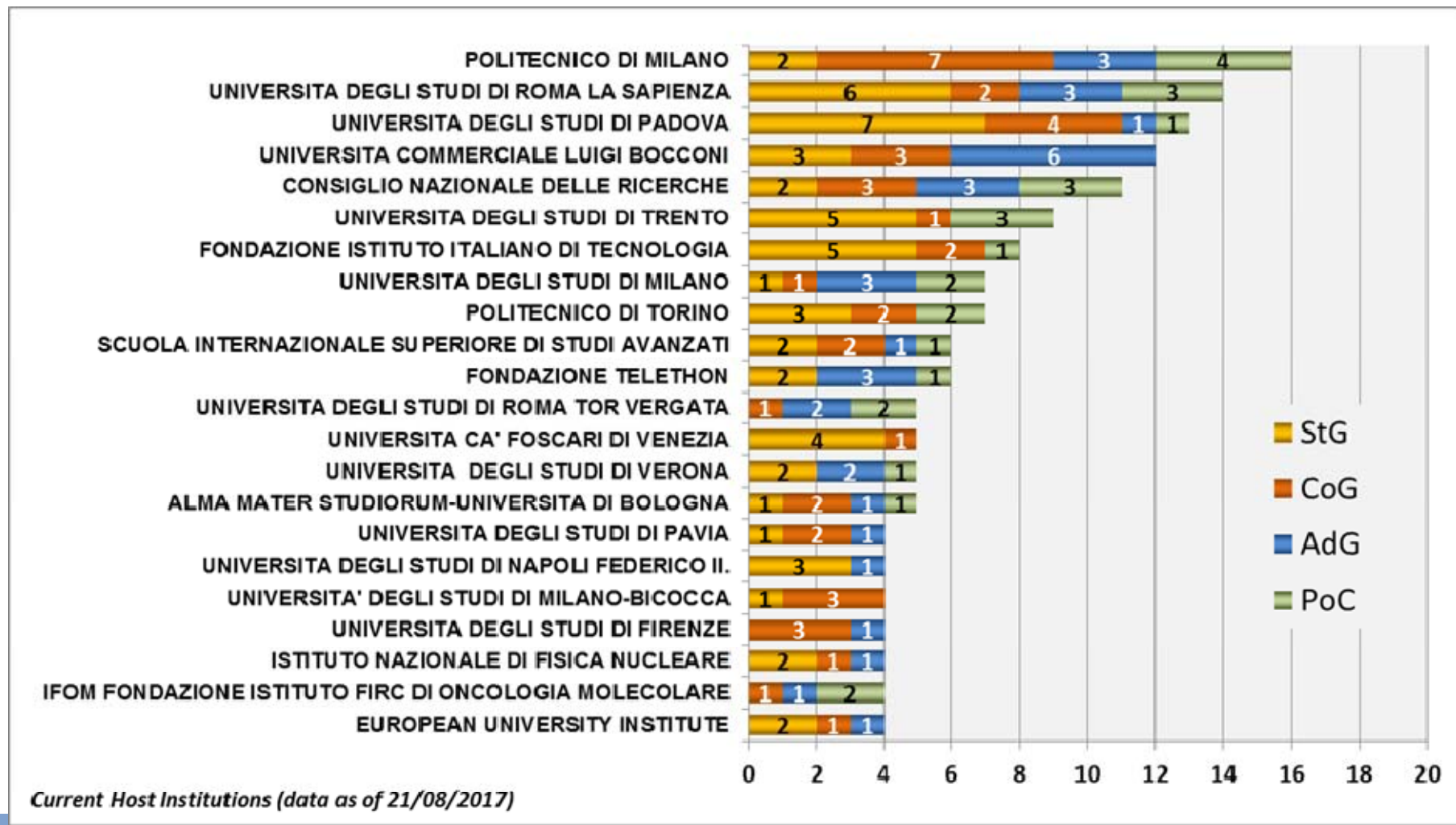
- Independent researchers of any age and career stage can apply for attractive long-term funding
- The ERC awards funding to excellent investigators looking to set up or consolidate their own independent research team or programme, as well as to already established research leaders.
- Principal Investigators from anywhere in the world can apply for an ERC grant:
 - ERC grants are open to researchers of any nationality who may reside in any country in the world at the time of the application



Host institution

- The host institution must be established in an EU Member State or Associated Country.
- Host institutions must provide appropriate conditions for the Principal Investigator to independently direct the research and manage its funding
- An ERC grant is awarded to the institution that engages and hosts the Principal Investigator
- The host institution must engage the Principal Investigator for at least the duration of the project
- Any type of legal entity, public or private, including universities, research organisations

Top Host Institutions in Italy



Research teams

- The Starting, Consolidator and Advanced Grants will support projects carried out by individual teams which are headed by a single Principal Investigator.
- The constitution of the research teams is flexible.

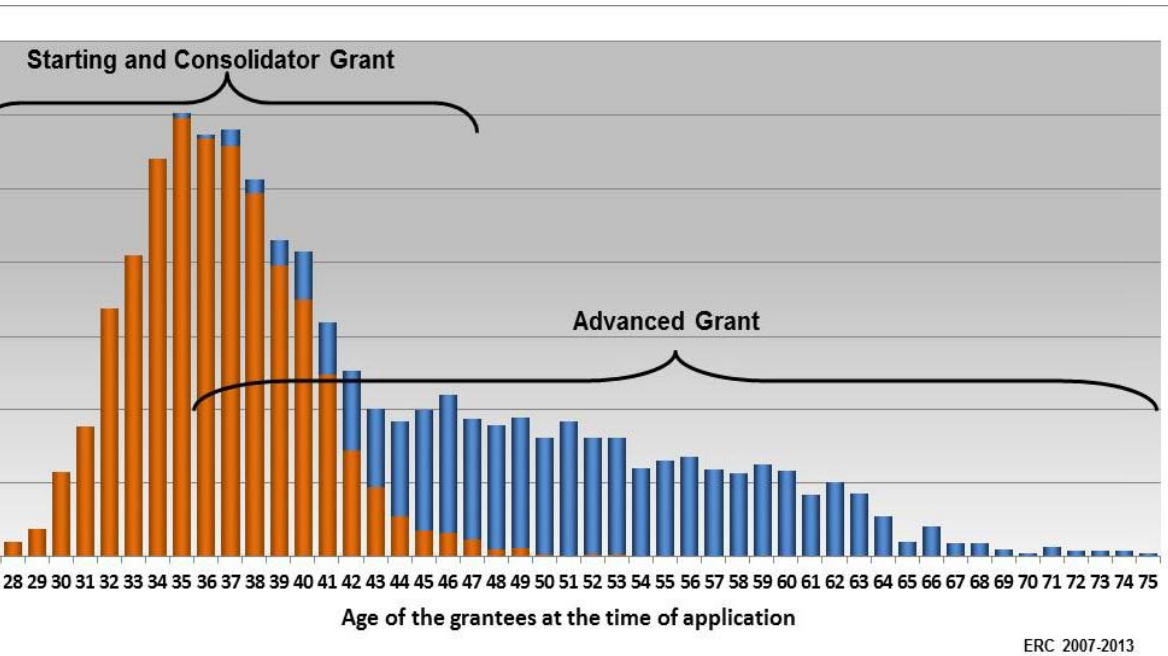
Q: Should the applicant provide the names and the Curriculum Vitae (CV) of the team members in the proposal for the ERC Consolidator Grant 2018 (ERC-2018-CoG) call?

A: The CVs of individual team members should not be included. Although, it is not mandatory to provide the names of individual team members, the proposal should describe the composition of the team that will carry out the proposed activities. Further explanations can be found in the Information for the applicants of the Starting and Consolidator 2018 Grants.

Team vs Network

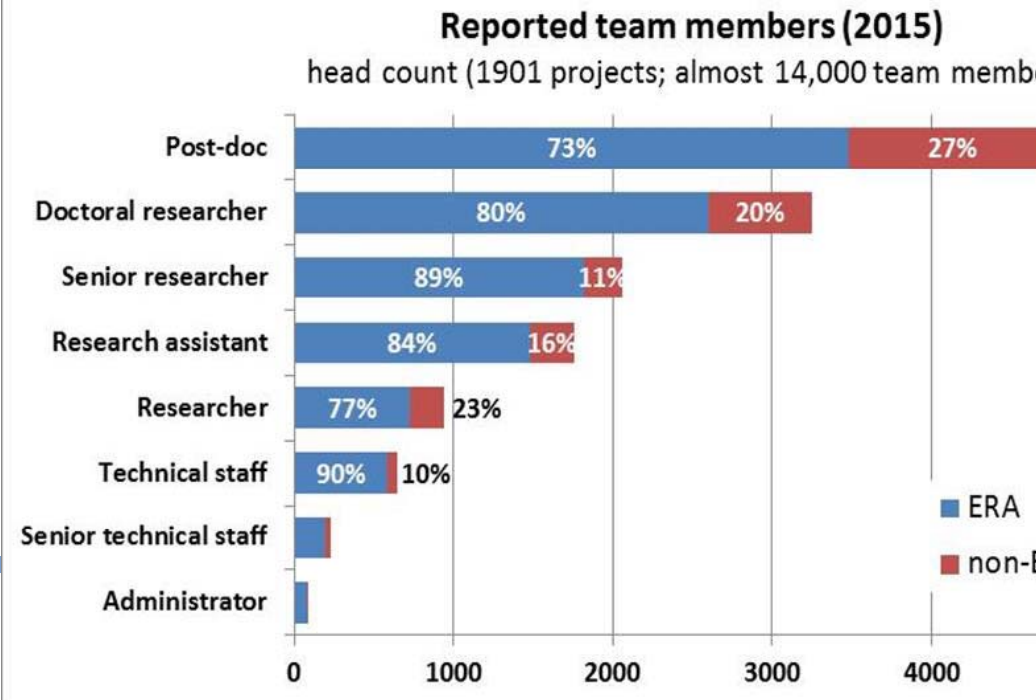
With the **focus on the PI**, the concept of individual team is fundamentally different from that of a traditional 'network' or 'research consortium'; proposals of the latter type should not be submitted to the ERC

Priority to Young Scientists



Two-thirds of ERC grants to early-stage Principal Investigators.

+ 30 000 PhD and post-doc researchers working in ERC teams.

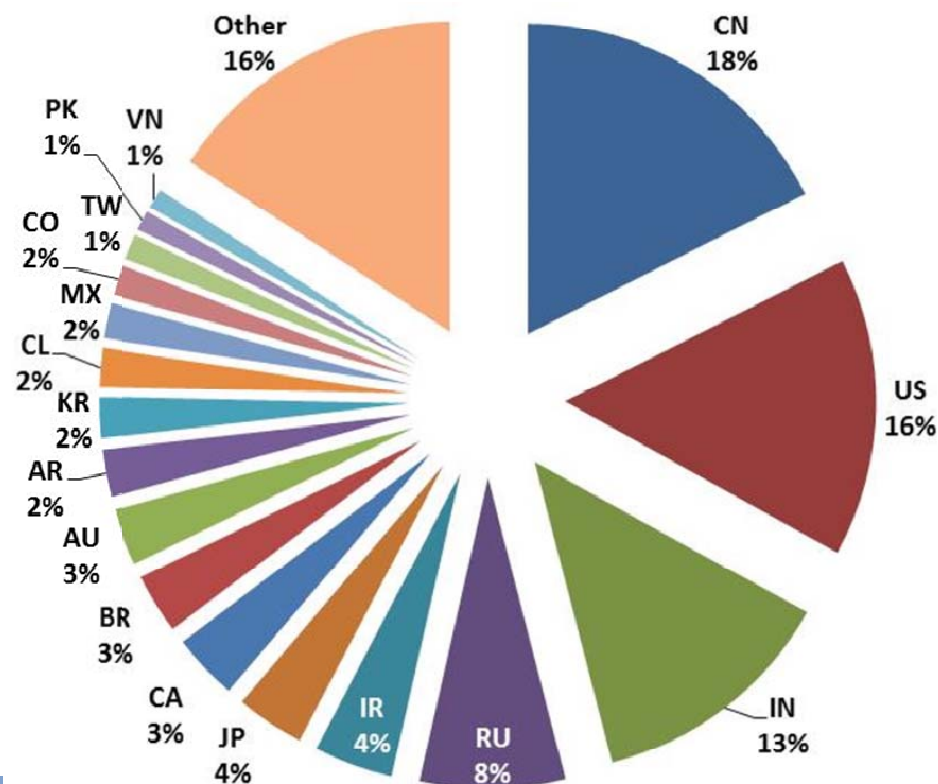


Attracting Researchers to Europe

Nationality of ERC project teams (PIs not included)
Analysis of 1,901 Starting and Advanced Grants

EU: 71%
Assoc. Countries: 10%
non-ERA: 17%
unknown: 2%

In all ERC grants
+ **9,000** non-ERA team members
most from
China, US, India, and Russia



Union Contribution

The Union financial contribution will take the form of the reimbursement of up to 100% of the total eligible and approved direct costs and of flat-rate financing of indirect costs on the basis of 25% of the total eligible direct costs

100%

25%

ERC FUNDING

ERC STARTING GRANTS

Grants up to 1.5€ million for 5 years

For promising early-career researchers with 2 to 7 years experience after PhD

ERC CONSOLIDATOR GRANTS

Grants up to 2€ million for 5 years

For excellent researchers with 7 to 12 years experience after PhD

ERC ADVANCED GRANTS

Grants up to 2.5€ million for 5 years

For established research leaders with a recognised track record of research achievements

ERC PROOF OF CONCEPT

Grants up to 150.000€

For existing ERC grant holders to bring their research ideas closer to market

SYNERGY GRANTS

Grants up to 10€ million for 6 years

To address ambitious research questions that can only be answered by the coordinated work of a small group of 2-4 principal Investigators

Specific Eligibility Criteria

	Starting Grant	Consolidator Grant	Advanced Grant and Synergy Grant
Specific Eligibility Criteria	<p>Principal Investigator shall have been awarded his or her first PhD</p> <p>> 2 and ≤ 7 years</p> <p>prior to 1 January 2018</p> <p>Cut-off dates: PhD awarded from 1 January 2011 to 31 December 2015 (inclusive)</p>	<p>Principal Investigator shall have been awarded his or her first PhD</p> <p>> 7 and ≤ 12 years</p> <p>prior to 1 January 2018</p> <p>Cut-off dates: PhD awarded from 1 January 2006 to 31 December 2010 (inclusive)</p>	<p>none</p>

Extension of the eligibility window

- For maternity, the effective elapsed time since the award of the first PhD will be considered reduced by 18 months or if longer by the documented amount of leave actually taken for each child born **before or after** the PhD award. For paternity, the effective elapsed time since the award of the first PhD will be considered reduced by the documented amount of paternity leave actually taken for each child born **before or after** the PhD award.
- For long-term illness, clinical training or national service the effective elapsed time since the award of the first PhD¹² will be considered reduced by the documented amount of leave actually taken by the Principal Investigator for each incident which occurred **after** the PhD award.

Medical doctor

la specializzazione medica non vale come requisito per l'eleggibilità

- Laurea in medicina di base (MD) + PhD: conteggio canonico (vedi quanto indicato nel Work Programme ERC 2018)
- MD + “proof of appointment requiring PhD equivalence”: 4-9 anni post MD per StG, 9-14 anni post MD per CoG
- MD + “proof of appointment requiring PhD equivalence”+ PhD: 4-9 anni post MD per StG, 9-14 anni post MD per CoG

Restrictions on submission of proposals

The ERC calls are highly competitive

A Principal Investigator may submit proposals to different ERC frontier research grant calls published under the same Work Programme, but only the first eligible proposal will be evaluated.

No restrictions apply

*A Principal Investigator whose proposal was evaluated as **category A** or **category B at step 2** in the 2017 Starting, Consolidator or Advanced Grant calls may submit a proposal to the 2018 Starting, Consolidator, Advanced or Synergy Grant calls .*

Restrictions apply

*A Principal Investigator whose proposal was evaluated as **category B at step 1** in the 2017 Starting, Consolidator or Advanced Grant calls may not submit a proposal to the 2018 Starting, Consolidator or Advanced Grant calls but may submit a proposal to the 2018 Synergy Grant call.*

*A Principal Investigator whose proposal was evaluated as **category C** in the 2016 or 2017 Starting, Consolidator or Advanced Grant calls may not submit a proposal to the 2018 Starting, Consolidator or Advanced Grant calls but may submit a proposal to the 2018 Synergy Grant call.*

Restrictions on submission of proposals

Restrictions that Scientific Council intends to apply

*A Principal Investigator whose proposal was evaluated as **category B at step 1 or step 2** in the 2018 Synergy Grant call may not submit a proposal to the 2019 Synergy Grant call.*

*A Principal Investigator whose proposal was evaluated as **category C at step 1** in the 2018 Synergy Grant call may not submit a proposal to the 2019 Starting, Consolidator, Advanced or Synergy Grant calls or for the 2020 Synergy Grant call.*

All Principal Investigators whose proposal was rejected on the grounds of a breach of research integrity in the 2018 Synergy Grant call may not submit a proposal to the 2019 ERC calls.

ERC-Starting Grant

ERC-StG 2007-2017

ERC Call	Applications received	Of which		
		Evaluated*	Funded	Success rates (%)**
Starting Grant 2007	9,167	8,787	299	3.4
Starting Grant 2009	2,503	2,392	245	10.2
Starting Grant 2010	2,873	2,767	436	15.8
Starting Grant 2011	4,080	4,005	486	12.1
Starting Grant 2012	4,741	4,652	566	12.2
Starting Grant 2013	3,329	3,266	300	9.2
Starting Grant 2014	3,273	3,204	375	11.7
Starting Grant 2015	2,920	2,862	349	12.2
Starting Grant 2016	2,935	2,887	325	11.3
Starting Grant 2017	3,085	3,032	406	13.3
Starting Grant total	38,906	37,854	3,787	11.1

Starting Grant profile

Objectives

- ERC Starting Grants are designed to support excellent Principal Investigators at the career stage at which they are starting their own independent research team or programme.
- Applicant Principal Investigators must demonstrate the ground-breaking nature, ambition and feasibility of their scientific proposal

ERC Starting Grants

Starting Grants may be awarded up to a maximum of EUR 1 500 000 for a period of 5 years

Profile of the ERC Starting Grant Principal Investigator

- The Principal Investigator shall have been awarded their first PhD at least 2 and up to 7 years prior to 1 January 2018
- A competitive Starting Grant Principal Investigator must have already shown the potential for research independence and evidence of maturity, for example by having produced at least one important publication as main author or without the participation of their PhD supervisor.
- Applicant Principal Investigators should also be able to demonstrate a promising track record of early achievements appropriate to their research field and career stage, including significant publications (as main author) in major international peer-reviewed multidisciplinary scientific journals, or in the leading international peer-reviewed journals of their respective field. They may also demonstrate a record of invited presentations in well-established international conferences, granted patents, awards, prizes etc.

Early achievements track record

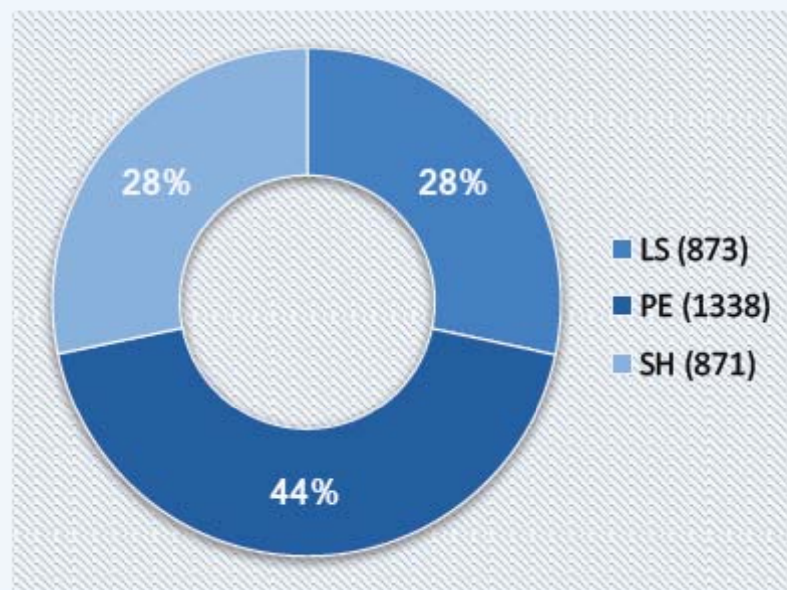
- 1. Up to five publications in major international peer-reviewed multi-disciplinary scientific journals and/or in the leading international peer-reviewed journals, peer-reviewed conferences proceedings and/or monographs of their respective research fields, highlighting those as main author or without the presence as co-author of their PhD supervisor (properly referenced, field relevant bibliometric indicators may also be included);*
- 2. Research monographs and any translations thereof;*
- 3. Granted patent(s);*
- 4. Invited presentations to internationally established conferences and/or international advanced schools;*
- 5. Prizes/ Awards/ Academy memberships.*

Expected time commitment

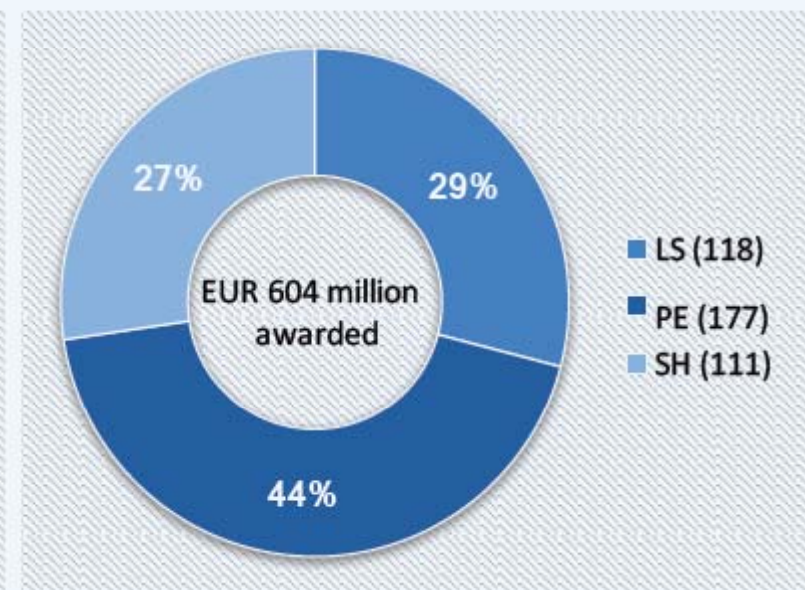
- The question of whether the Principal Investigator is strongly committed to the project and demonstrates the willingness to devote a significant amount of time to the project forms a key part of the evaluation.
- Principal Investigators funded through the ERC Starting Grants shall spend a **minimum of 50%** of their total working time in an **EU Member State or Associated Country** and a **minimum of 50%** of their total working time on the ERC project.



Starting Grant 2017 - Submitted proposals



Starting Grant 2017 - Funded projects



STG 2017 Results



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	Evaluated Step 1	Evaluated Step 2	Main list	Success rate	Success rate	
					M	F
Physical Sciences and Engineering	1321	405	177	13.4 %	12.8 %	15.0 %
Life Sciences	853	274	118	13.8 %	13.2 %	14.6%
Social Sciences and Humanities	858	238	111	12.9 %	11.8 %	14.0 %
Total	3032	917	406	13.4 %	12.7%	14.5%

Commission for Research & Innovation

ERC Starting Grant 2017

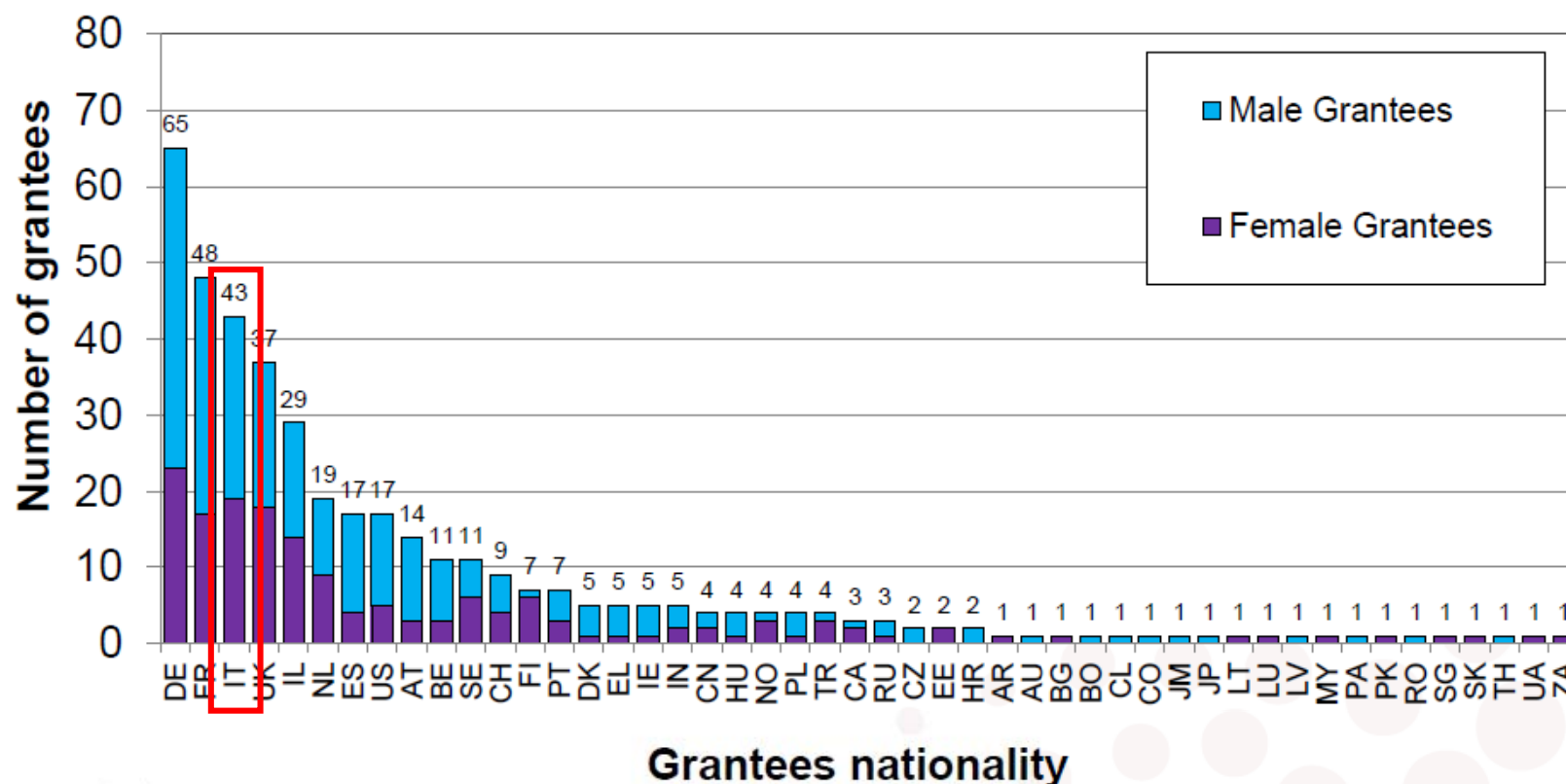
Grantees by nationality and gender

Total 406 grants



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48 nationalities



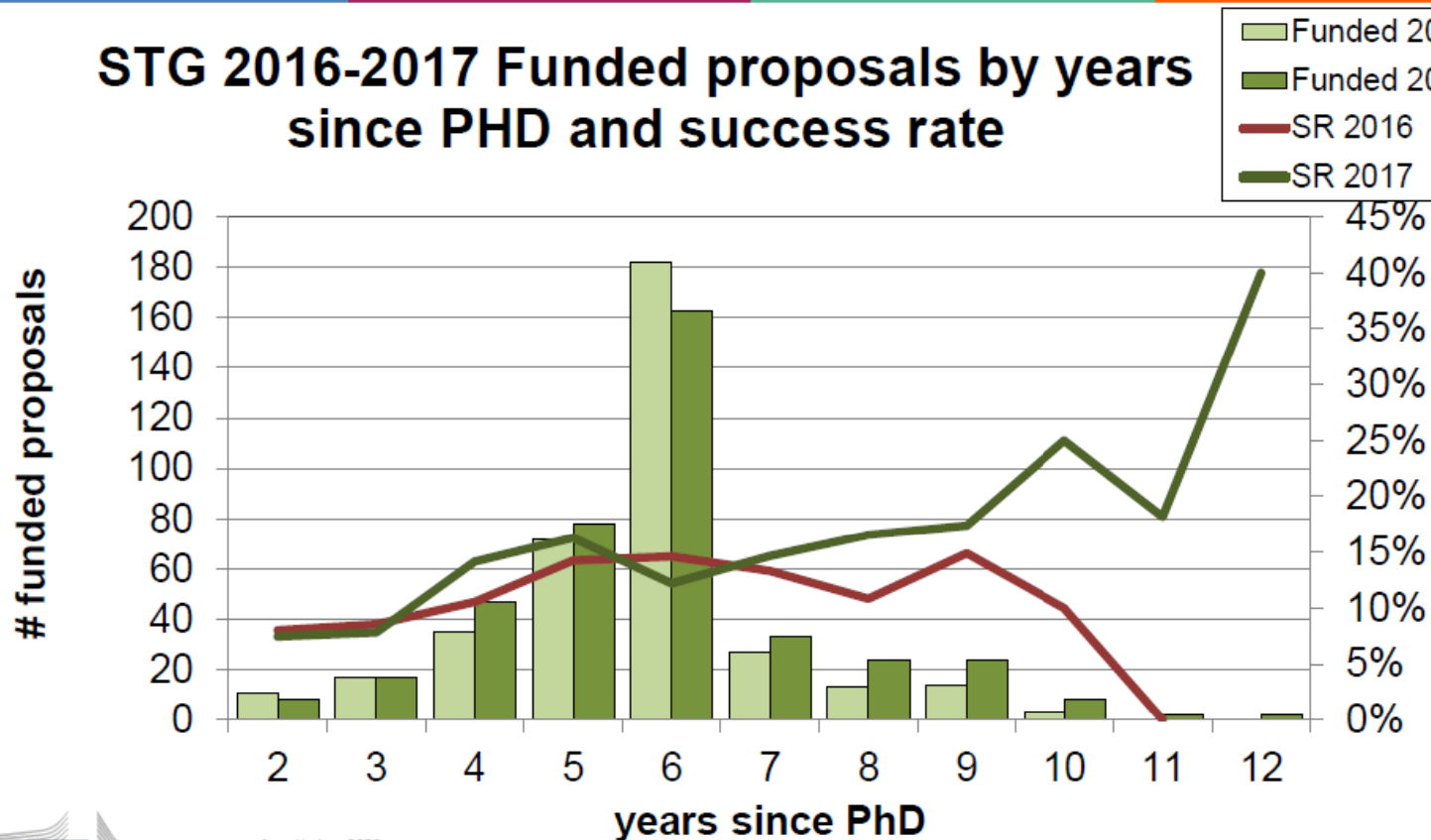
Grantees nationality

STG 2016-2017 Years passed PhD with success rate



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STG 2016-2017 Funded proposals by years since PHD and success rate



The Principal Investigator shall have been awarded their first PhD at least 2 and up to 7 years prior to 1 January 2018

Status / Overview: StG 2018



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- Call closed 17 October 2017
- Final number of submitted proposals – 3170 (3% more than StG 2017- 3082)
- Budget: 581 M€
- Expect to fund: ~391 proposals
- Step 1 meetings in March
- Step 2 meetings in end of May- June



European
Commission

Horizon 2020
European Union funding
for Research & Innovation

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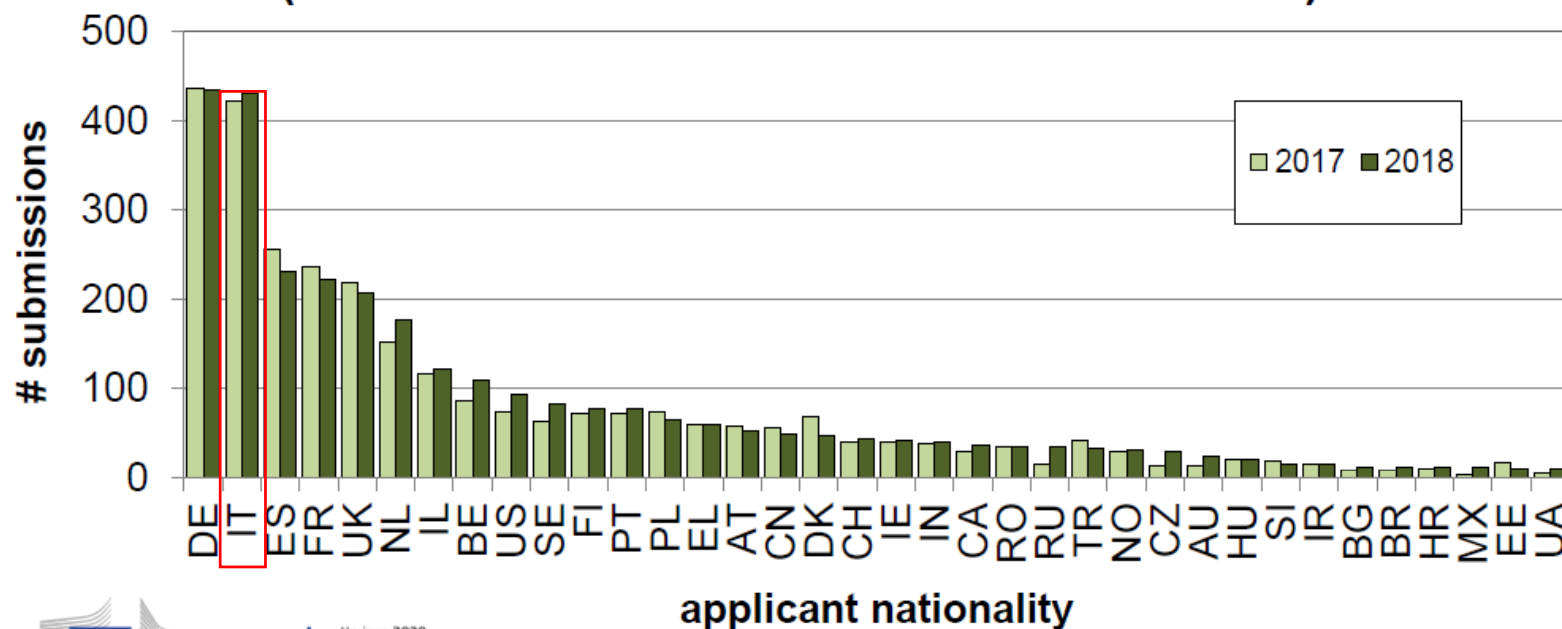
STG 2017-2018

Submissions by applicant nationality



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STG 2017-2018 Submissions by applicant nationality (all nationalities with 10 or more in 2018)



STG 2018- overview proposals received



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	Submissions	% submissions in domain
Physical Sciences and Engineering	1341	42 %
Life Sciences	918	29 %
Social Sciences and Humanities	911	29 %
Total	3170	100 %



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Evaluation procedure and criteria

For Starting, Consolidator and Advanced Grants

A single submission of the full proposal will be followed by a two-step evaluation.

- At **step 1**, the extended synopsis and the Principal Investigator's track record and CV will be assessed (and **not** the full scientific proposal).
- At **step 2** the complete version of the retained proposals will be assessed (including the full scientific proposal).

Evaluation criteria

For all ERC frontier research grants, **scientific excellence** is the sole criterion of evaluation.

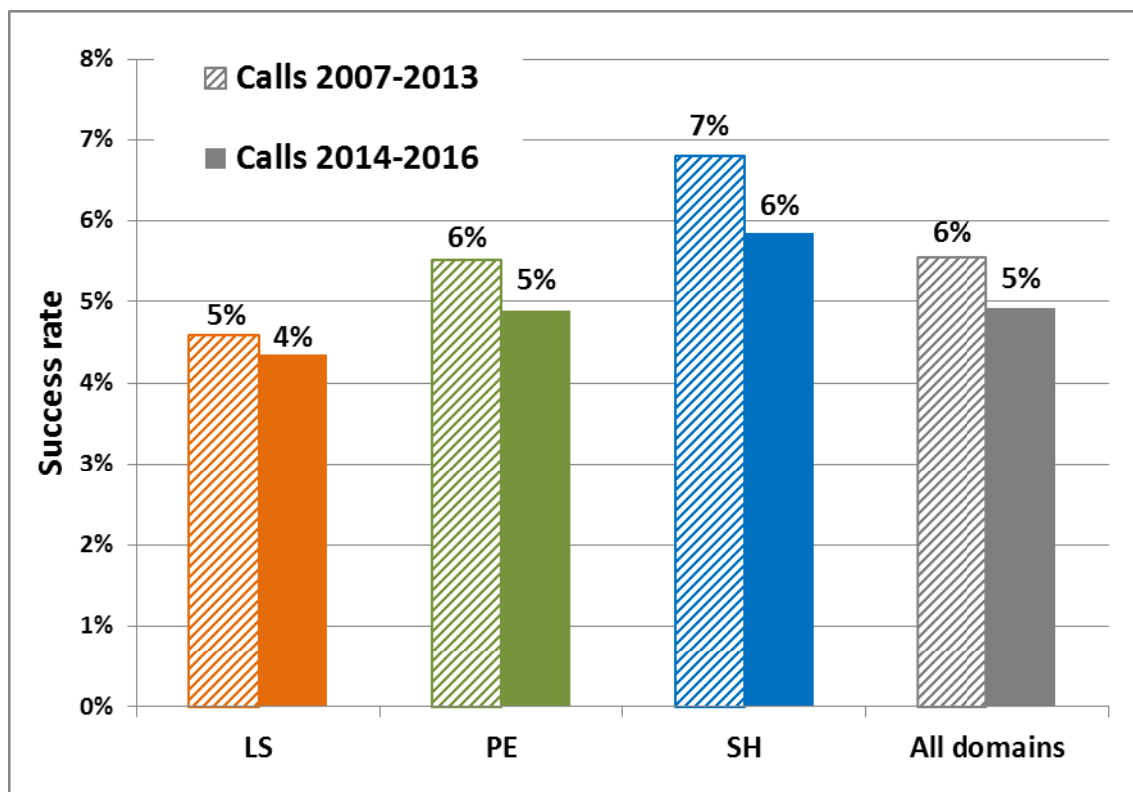
It will be applied in conjunction to the evaluation of both: the ground-breaking nature, ambition and feasibility of the research project; and the intellectual capacity, creativity and commitment of the Principal Investigator.

Outcome of evaluation

For Starting, Consolidator and Advanced Grants

- At the end of **step 1** of the evaluation applicants will be informed that their proposal:
 - A. is of sufficient quality to pass to step 2 of the evaluation;
 - B. is of high quality but not sufficient to pass to step 2 of the evaluation;
 - C. is not of sufficient quality to pass to step 2 of the evaluation.
- At the end of **step 2** of the evaluation applicants will be informed that their proposal:
 - A. fully meets the ERC's excellence criterion and is recommended for funding **if sufficient funds are available**;
 - B. meets some but not all elements of the ERC's excellence criterion and will not be funded.

Italy: Success Rate by Domain



Italy: Projects Funded by ERC in H2020

HI in Italy	LS	PE	SH	Total
StG	9	28	15	52
StG2014	2	8	5	15
StG2015	3	11	8	22
StG2016	4	9	2	15
CoG	11	24	11	46
CoG2014	4	11	3	18
CoG2015	2	9	3	14
CoG2016	5	4	5	14
AdG	9	10	11	30
AdG2014	4	3	4	11
AdG2015	5	7	7	19
Total (H2020)	29	62	37	128

Proposals

PART A – online forms

A1 : Proposal and PI info

A2 : HI info

A3 : Budget

PART B1 – pdf

Extended Synopsis : 5 pp

CV : 2 pp

Track Record : 2pp

PART B2 – pdf

Proposal : 15 pp

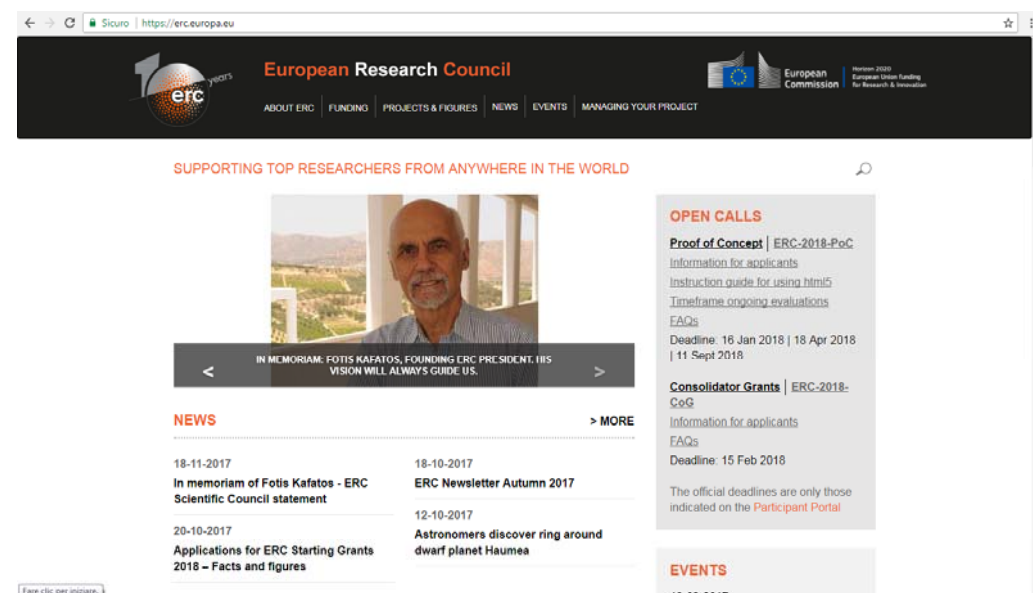


Annexes – pdf

Support letter HI

Annex Ethical Issues
(if applicable)

Links



<https://erc.europa.eu/>

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European Research Council (ERC)
Frontier Research Grants

Guide for Peer Reviewers

Applicable to the ERC Starting, Consolidator & Advanced Grants
(ERC Work Programme 2018)

Version 2.0
3 November 2017

http://ec.europa.eu/research/participants/data/ref/h2020/other/experts_manual/h2020_peer-review_erc-stg-cog-adg-2018_en.pdf



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European Research Council (ERC)

ERC Rules for Submission & Evaluation

Commission Decision C(2017)4750

Version 3.0
14 July 2017

http://ec.europa.eu/research/participants/data/ref/h2020/sgl/erc/h2020-erc-se-rules-amended2_en.pdf



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European Research Council (ERC)
Frontier Research Grants

Information for Applicants
to the Starting and Consolidator Grant 2018 Calls

Version 1.0
2 August 2017

http://ec.europa.eu/research/participants/data/ref/h2020/other/guides_for_applicants/h2020-guide18-erc-stg-cog_en.pdf

ERC Work Programme 2018



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(European Commission C(2017) 5307 of 2 August 2017)

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http://ec.europa.eu/research/participants/data/ref/h2020/wp/2018_2020/erc/h2020-wp18-erc_en.pdf



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Qualitative Evaluation of completed projects funded by the European Research Council

https://erc.europa.eu/sites/default/files/qualitative_evaluation_of_completed_projects_funded_by_the_erc.pdf

July 2016



Building on a European Success Story to Further Empower European Researchers

Statement by the ERC Scientific Council on the position of the European Research Council in the next European Union Framework Programme for Research and Innovation

15 May 2017

In the space of ten years, the European Research Council (ERC) has become a real European success story. Its original set-up and governance add a new dimension to the European Union (EU) Framework Programmes, and the funding it provides for the best investigator-driven frontier research complements national efforts. The EU should build on this achievement and scale up the ERC. Beyond 2021, Europe needs to increase its overall investment in research and innovation to speed up its progress towards becoming a dynamic knowledge society empowering researchers to develop their boldest ideas broadly.

<https://erc.europa.eu/sites/default/files/content/pages/pdf/ERC-ScCStatement-FP9.pdf>

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