



Oportunidades, desafios e perspetivas de Financiamento no H2020

20 de Julho 2016, Coimbra



Gabinete de Promoção do Programa Quadro ID&I



Fundação para a Ciência e a Tecnologia



AGÊNCIA NACIONAL DE INOVAÇÃO



HORIZONTE

2020

Marie Skłodowska-Curie Actions for every step of your career

Considering a doctoral degree?

Experienced researcher looking for international experience to boost your career?

Looking for partnerships between academic and non-academic organisations or staff exchanges?

Keen on outreach activities?



THE EU FRAMEWORK PROGRAMME
FOR RESEARCH AND INNOVATION

HORIZON 2020



EXCELLENT SCIENCE
COMPETITIVE INDUSTRIES
BETTER SOCIETY

Excelência Científica

Bottom up

Conselho Europeu de
Investigação (ERC)

Tecnologias Futuras e
Emergentes (FET)

Ações Marie
Skłodowska-Curie
(MSCA)

Infraestruturas de
investigação

Liderança Industrial

Liderança em
Tecnologias
Facilitadoras e
Industriais (LEIT) –
NMP+B, ICT, KETs,
Espaço

Acesso a financiamentos
de risco

Inovação em PME

Desafios Societais

Top down

Saúde

Bioeconomia

Energia

Transportes

Ação climática

Sociedades inclusivas

Sociedades seguras

Marie Skłodowska-Curie actions

Included in pillar I of H2020:

Excellent Science

Designed to support the researcher's career

Based on Mobility, cross-border *and* cross-sector

- Opportunities **to work and train** with the best researchers in Europe and worldwide
- Exchanges between academia/industry (*staff exchange*)

Respect the Charter & Code - European Charter for Researchers & Code of Conduct for the Recruitment of Researchers (key documents for HR in research)

In the framework of **Responsible Research and Innovation**



Marie Skłodowska-Curie actions

Aim: develop new knowledge / enhance skills of people behind research and innovation (training)

Operate in a 'bottom-up' basis , covering **all scientific domains**

Level of **involvement is proportional to the participant's needs**

Strong accent on **participation of industry, SMEs and non-academia** overall

Totally aligned with the objectives of H2020

- responding to the economic crisis to invest in jobs and growth
- addressing people's concerns about their livelihoods, safety and environment
- strengthening the EU's global position in research, innovation and technology

Marie Skłodowska-Curie actions fund

1) Organisational costs

Research, networking and training costs

Management and indirect costs

2) Costs of researchers and seconded staff

Living allowance or Top-up allowance

Mobility allowance

Family allowance

- ✓ 100% in ITN, IF and RISE
- ✓ 50% in Co-funding for doctoral and fellowship programmes

Which MSCA is made for you?

Post-doctoral Fellowships

Staff Exchange (managerial, technical)



IF

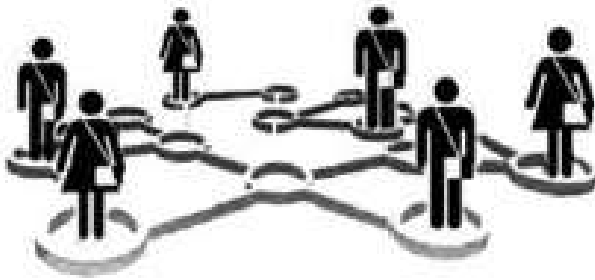
Individual Fellowships



RISE

Research and Innovation
Staff Exchange

Doctoral degrees



ITN

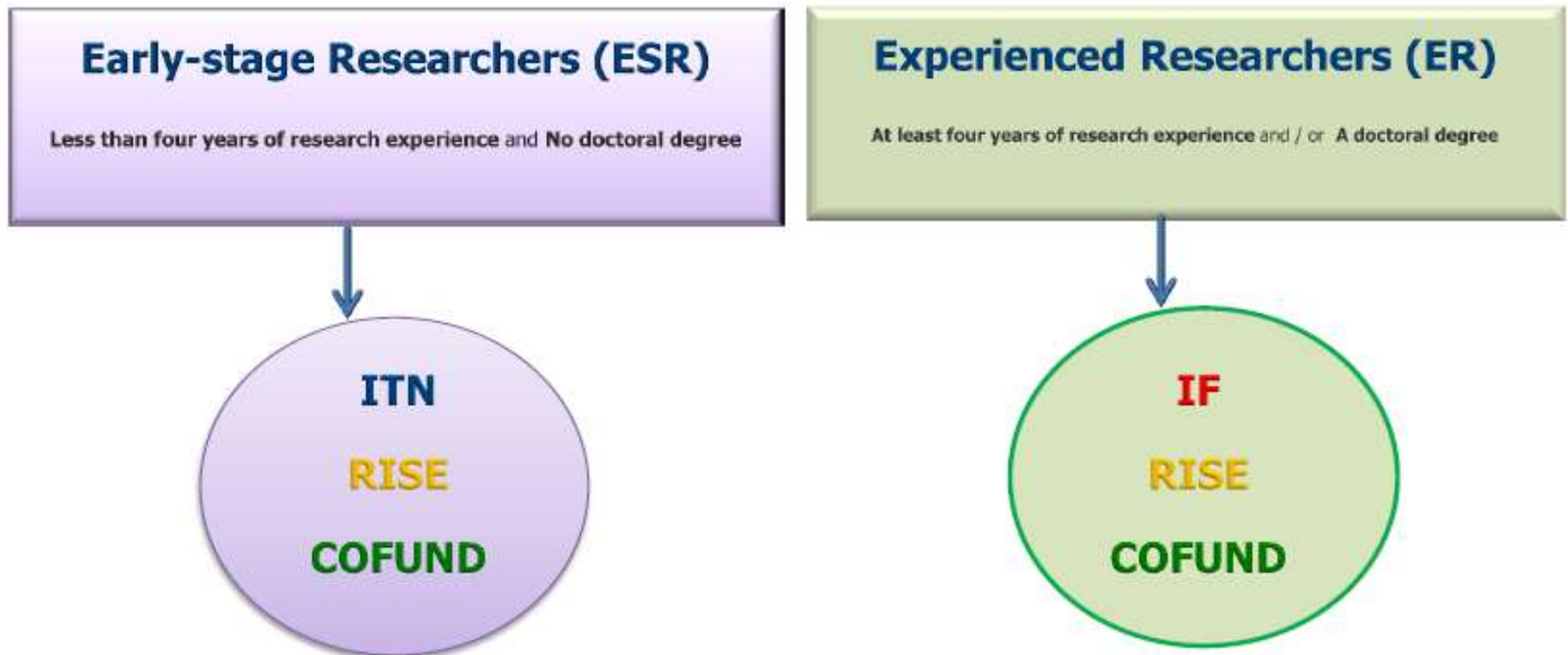
Innovative Training Networks



COFUND

Also for post-doctoral programmes

Who do you want to host/recruit?



Choose your level of involvement

Start getting involved

- ✓ Host secondments
- ✓ Provide specific training modules

Focus on core business & short- to medium-term research agenda

- ✓ Recruit one or more researchers during their entire fellowship
- ✓ Build around a common research project
- ✓ Get co-funding for your doctoral or fellowship programme

Develop medium- to long-term collaborations around a common strategy

- ✓ Gain and transfer knowledge/expertise through staff exchange
- ✓ Take part in shaping the training of researchers you would like to hire
- ✓ Develop a European Industrial Doctorate with academic partner(s) from another country





ITN – Innovative Training Networks

TOPICS: European Training Networks
European Industrial Doctorates
European Joint Doctorates

Who applies?

Consortiums of host institutions (check eligibility according to topic); SMEs and other non-academic institutions all welcome

Who is hired/seconded?

Early-stage researchers (Ph.D. students) are hired



How does it work?

Successful proposals from a network receive funding for up to 4 years to cover researcher allowances, as well as the cost of research, training and networking activities.

Innovative Training Networks (ITN)

- ✓ **Raise excellence and structure research and doctoral training**
- ✓ Train a new generation of **creative, entrepreneurial and innovative early-stage researchers**
- ✓ Trigger **cooperation and exchange of best practice** among participants
- ✓ **Enhance researchers' employability** and provide them with new career perspectives
- ✓ **Triple 'i' dimension** of mobility and particular **focus on innovation skills**
- ✓ **Budget: € 370 Million** in 2015 (EID: 25 Mio, EJD 28 Mio)

**European
Industrial
Doctorates (EID)**

**European
Training
Networks (ETN)**

**European
Joint
Doctorates (EJD)**

Innovative Training Networks (ITN)

Country 1



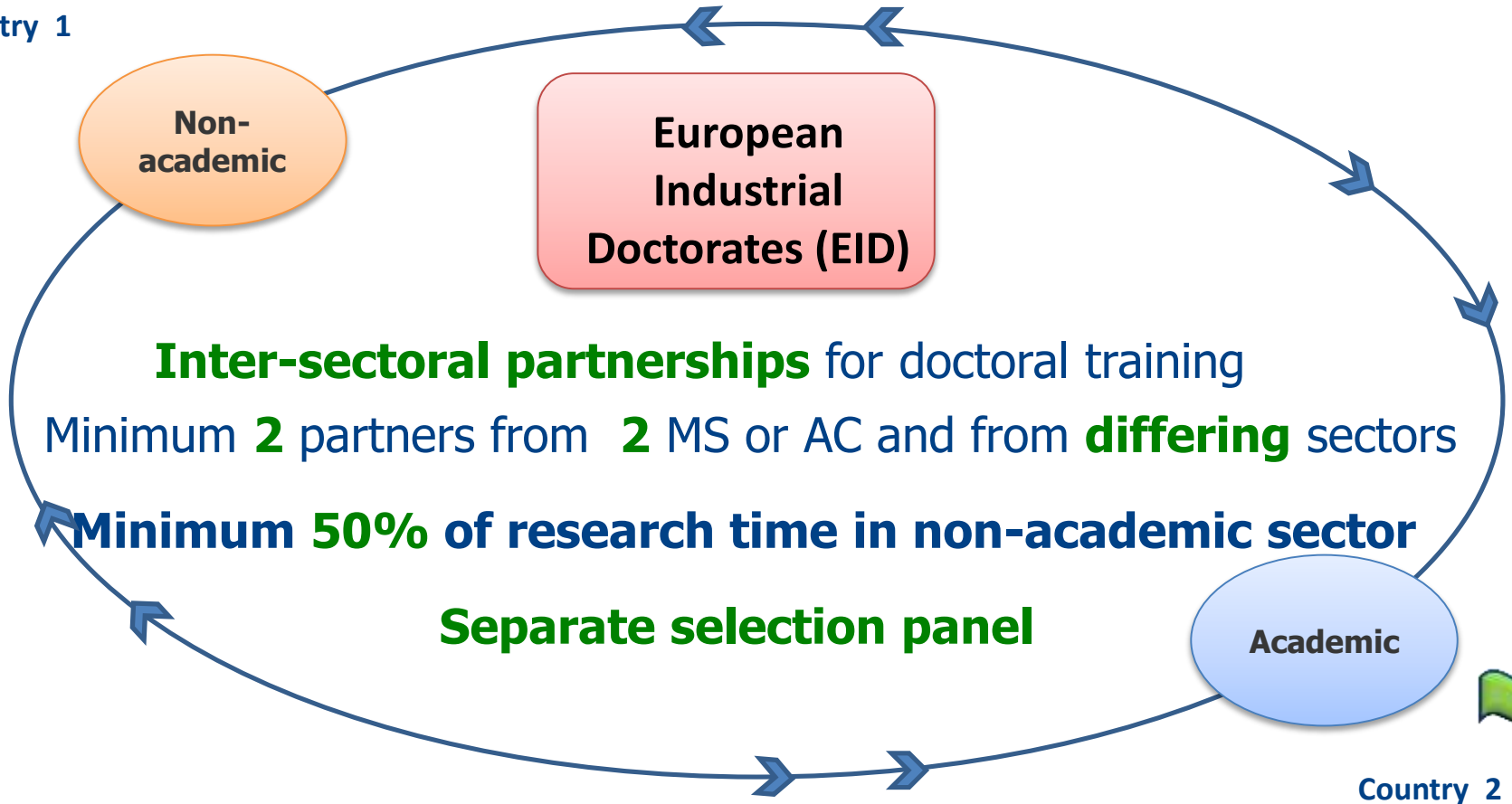
Country 2

Inter-sectoral partnerships for doctoral training

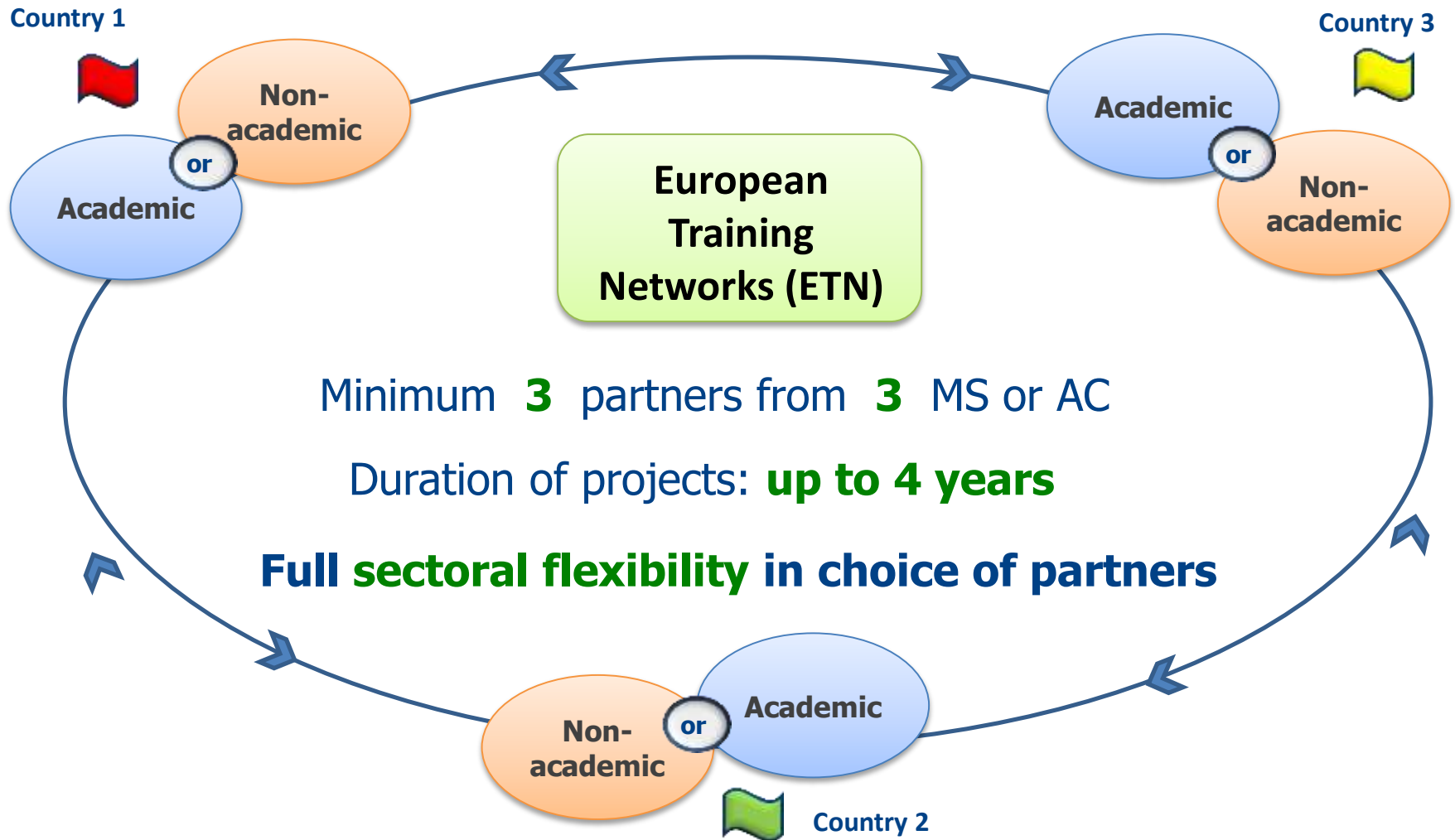
Minimum **2** partners from **2** MS or AC and from **differing** sectors

Minimum **50%** of research time in non-academic sector

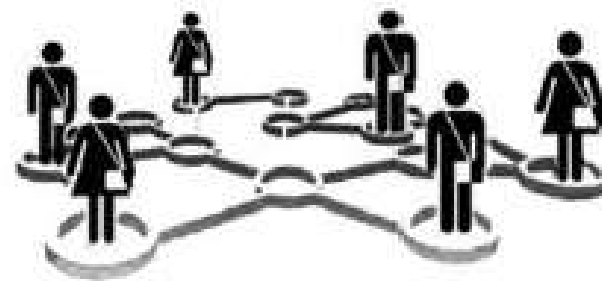
Separate selection panel



Innovative Training Networks (ITN)



ITN – Financial Dimension



Unit costs expressed in person-months

ITN

Innovative Training Networks

Research, networking, training costs	1800 €
Management and indirect costs	1200 €

Living allowance*	3110 [§] €
Mobility allowance	600 [§] €
Family allowance	500 [§] €

- The living allowance base rate is multiplied by Country Correction Coefficient

§ Amount quoted is gross amount before deductions



Individual Fellowships

Who applies?

One experienced researcher together with a host institution (of any sector, companies included)

Who is hired/seconded?

An experienced researcher is hired

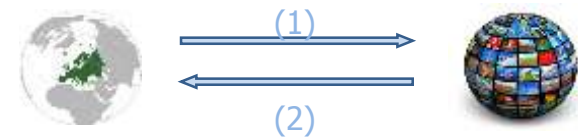
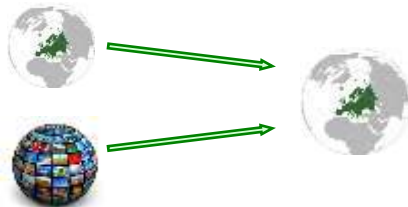
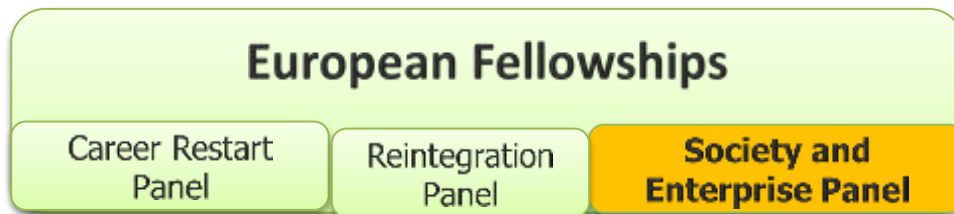
How does it work?

Proposal submitted by researcher in liaison with host. Successful proposals receive up to 2 years' support (additional 1-year return phase in Global fellowships).



Individual Fellowships (IF)

- ✓ provide opportunities to **acquire new knowledge, work on research projects in a European context or outside Europe**
- ✓ catalyse significant **development in their careers** in both sectors
- ✓ **strengthen the network** of the researcher and the host organisation
- ✓ **Budget: € 218 Million** in 2016 (**Society and enterprise panel** of the European Fellowships MSCA-IF-EF-SE : **10 Mio**)



Make your expression of interest for receiving an IF!

IF – Financial Dimension



IF

Individual Fellowships

Unit costs expressed in person-months

Research, networking, training costs	800 €	Living allowance*	4650 [§] €
Management and indirect costs	650 €	Mobility allowance	600 [§] €
		Family allowance	500 [§] €

- The living allowance base rate is multiplied by Country Correction Coefficient

§ Amount quoted is gross amount before deductions



COFUND

Who applies?

Funding agency

Who is hired/seconded?

Ph.D. students (doctoral programs)
or post-docs (postdoctoral programmes) are hired

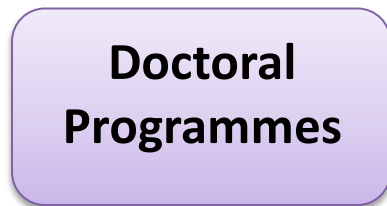


How does it work?

Successful proposals from organisations that fund or manage a doctoral or a fellowship programme receive a fixed amount for each supported researcher as a contribution to the total costs.

COFUND

- ✓ by **co-funding** new or existing regional, national, and international programmes
- ✓ Promote **international, intersectoral and interdisciplinary research training**, as well as transnational and cross-sector **mobility** of researchers at all stages of their career
- ✓ Mono-beneficiary: **organisation funding or managing doctoral or post- doctoral programmes**
- ✓ **Budget: € 80 Million** in 2015 (Doctoral Programmes: 30 Mio)



ESR



ER



COFUND

COFUND – Financial Dimension

Unit costs expressed in person-months
(co-funding rate of 50%)

Management costs	650* €	Living allowance <i>Early-stage researchers</i>	3710* €
		Living allowance <i>Experienced researchers</i>	5250* €

- co-funding rate of 50%



COFUND

COFUND

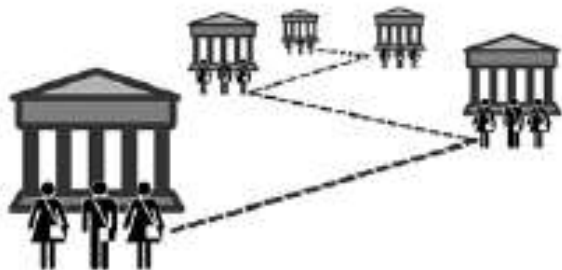
MSCA COFUND combined funding:

Option 1:
Applicant
applies for
ESIF infra-
Structures/
Equipment
BEFORE
H2020 MSCA

Application for MSCA
under H2020

Option 2:
Applicant applies at the same
time for ESIF as for H2020

Eligible costs under H2020 MSCA are limited to part-management of funds and contribution to researchers' subsistence costs (unit costs). Applicants can therefore apply for non-eligible costs such as infrastructure/large equipment under ESIF (ERDF) or for training events, networking under ESF.



RISE – Research and Innovation Staff Exchange

Who applies?

Consortiums of host institutions with a minimum of 3 entities (check eligibility); 3rd countries, SMEs and other non-academic institutions all welcome

Who is hired/seconded?

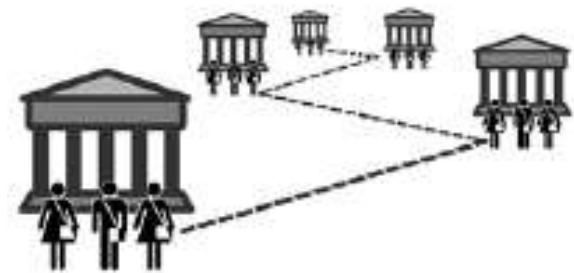
Secondments of research, managerial or technical “staff”

How does it work?

A joint research and innovation project implemented by the exchange of individual staff for 1-12 months. The staff members return to their organisation after the secondment to ensure transfer of knowledge.

RISE – Research and Innovation Staff Exchange

- ✓ Strengthen the interaction between academic and non-academic organisations, and between Europe and third countries, through **research and innovation staff** exchanges
- ✓ International and inter-sector **transfer of knowledge** and sharing of ideas and of R&I culture
- ✓ At least **3 independent** participants in **3 different countries**
 - At least 2 participants from 2 different MS/AC (international)
 - If all in MS/AC: at least 1 academic and 1 non-academic
- ✓ Common **research and innovation project**
- ✓ Highly skilled research and innovation staff



RISE
Research and Innovation
Staff Exchange

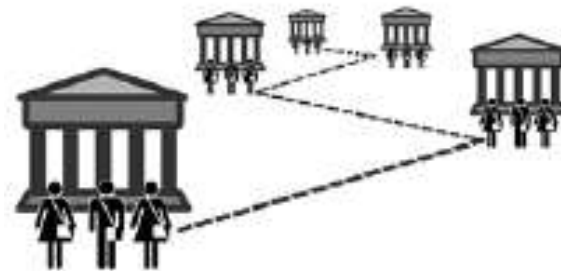
RISE – Financial Dimension

Unit costs expressed in person-months

Seconded staff

Research, networking, training costs	1800* €	Staff member Top-up allowance	2000* €
Management and indirect costs	700* €		

- Funding rate of 100%



RISE

Research and Innovation
Staff Exchange

Fitting your R&I needs

recruit/host an **ER**
to lead a **short/mid-term**
research project



On your
own



In
partnership
with a
fellowship
programme



IF



COFUND

recruit/host **one or several ESR**
to lead a **mid-term**
research project



Within a
Network



In
partnership
with a
doctoral
programme



ITN



COFUND

exchange
knowledge/expertise
with partners



Via exchange of existing staff
(ESR,ER, managerial, technical,
administrative)



RISE

MSCA Calls 2016-2017

IF	12/04/2016 – 14/09/2016	EUR 218 million
	Society and enterprise panel of the European Fellowships MSCA-IF-EF-SE	EUR 10 million
COFUND	14/04/2016 – 29/09/2016	EUR 80 million
ITN	15/09/2016 – 10/01/2017	EUR 430 million
RISE	1/12/2016 – 5/04/2017	EUR 80 million

MSCA Workflow

Application

Find a
Call

Find Partners
or Apply as
Individual

Create your
account on the
Participant Portal

Register your
organisation

Submit
your
proposal



NCP

Evaluation

3 independent experts



Grant Agreement

For successful applicants : TIME-TO-GRANT = 8 MONTHS



Electronic signature of GA via the Participant Portal

New structure of GA: legal provisions all in 1 document

Reporting

Periodic Report: *technical and financial*

and/or

Final Report: *technical and financial*

Participant portal



RESEARCH & INNOVATION

European Commission

Participant Portal

European Commission > Research & Innovation > Participant Portal > Calls

HOME

FUNDING OPPORTUNITIES

HOW TO PARTICIPATE

EXPERTS

SUPPORT

Search PP



LOGIN



REGISTER

EU Programmes 2014-2020

Search Topics

Call Updates



Calls



H2020

Research Fund for Coal & Steel

COSME

3rd Health Programme

Consumer 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

Forthcoming

Open

Closed

MSCA

FILTER

Sort by

(Planned) Opening Date

Deadline

Call title

Call identifier

Excellent Science
COFUND - Co-funding of Regional,

Excellent Science
Individual Fellowships (IF)

Participant portal

Call description

Call documents

Get support

Call summary

Objective:

The goal of Individual Fellowships is to enhance the creative and innovative potential of experienced researchers

+ More

Call updates

- 22-05-2015 16:45:53

Please note that a revised version of the Guide for Applicants has been uploaded.

+ More

Topics and submission service

To access the **Submission Service**, please **select the TOPIC** of your interest and then open the Submission Service tab.

To access **existing draft proposals**, please login to the portal and select My Proposals from the My Area menu.

Topic: [MSCA-IF-2015-EF: Marie Skłodowska-Curie Individual Fellowships \(IF-EF\)](#)

Topic: [MSCA-IF-2015-GF: Marie Skłodowska-Curie Individual Fellowships \(IF-GF\)](#)

Participant portal

[Call description](#)

[Call documents](#)

[Get support](#)

A proposal is submitted to a specific topic. The full set of information for preparing a proposal for a topic (eligibility and evaluation conditions, proposal templates, evaluation forms, etc.) is available on the topic conditions page. Select a topic from the call description page or go to [Search Topics](#).



Download all documents

(EN only, incl. the additional docs.)

[Legal basis - Specific Programme H2020 en](#)

[Legal basis - Framework Programme H2020 en](#)

[WP H2020 - 1. Introduction en](#)

[WP H2020 - 3. Marie Skłodowska-Curie Actions \(MSCA\) en](#)

[Legal basis - Rules for Participation en](#)

[WP H2020 - 19. General Annexes en](#)

[Frequently Asked Questions IF 2015 en](#)

[Guide for Applicants IF 2015 en](#)

[MSCA List of Descriptors IF 2015 en](#)

[Ethics - Guidance to complete the ethics self-assessment en](#)

Participant Portal FAQ – Submission of proposals

National Contact Points (NCP)

Enterprise Europe Network – national contact points' advice to businesses with focus on SMEs. The support includes guidance on the EU research funding.

Research Enquiry Service – ask questions about any aspect of European research and EU R&I programmes

IT Helpdesk – contact the IT helpdesk for questions such as forgotten passwords, access rights and roles, technical aspects of submission of proposals, etc.

Ethics – for compliance with ethical issues, see the [Participant Portal](#) and [Science and Society Portal](#)

European IPR Helpdesk assists you on intellectual property issues

The European Charter for Researchers and the Code of Conduct for their recruitment

CEN and **CENELEC**, the European Standards Organisations, advise you how to tackle standardisation in your project proposal. Contact CEN-CENELEC Research Helpdesk at research@cencenelec.eu.

Partner Search Services help you find a partner organisation for your proposal

H2020 Online Manual your online guide on the procedures from proposal submission to managing your grant

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
Weighting		
50%	30%	20%
Priority in case of <i>ex aequo</i>		
1	2	3

Horizon 2020

European Union programme
for research and innovation
2014-2020



- responding to the economic crisis to invest in jobs and growth
- addressing people's concerns about their livelihoods, safety and environment
- strengthening the EU's global position in research, innovation and technology

Responsible Research and Innovation

Open science (obligation)

Gender (always mention in proposal)

Ethics (always consider in proposal)

Public engagement (iterative and inclusive participatory multi-actor dialogues)

Science education

Outreach and communication

Outreach

- is an activity of providing information to populations who might not otherwise have access to this information
- explains the benefits of research to a larger public (the tax payers who fund your research) there is an engagement and a two-way communication between the researcher and the public
- includes school presentations, workshops, public talks and lab visits, etc.

Communication

- refers to articles in mainstream newspapers and magazines, or on TV and radio channels
- requires a clear language and attractive scientific subject with outstanding results that can catch the media's attention

Dissemination targets a scientific audience that may be interested in the research results

Some tips for IFs	Avoid
Work hard on the non-scientific parts!	Insufficient information on training and career needs
Do mention capabilities of the host to provide adequate training	Leaving unclear who will be responsible for the training activities and when they will take place
Do mention availability of mentors involved in providing support and guidance for the personal and professional development of the researcher.	Poorly describing non-scientific skills training, e.g. on research projects management and tutoring
Do mention transferrable skills , namely leadership ability, are insufficiently elaborated	Not mentioning possible disadvantages of using the envisaged methods and techniques.
Do mention practical arrangements for the implementation of the fellowship	Do not justified the prospects of reaching a position of professional maturity only in face of new scientific skills
Demonstrate an acceptable level of independent thinking and leadership qualities	Deliverables and the milestones do not offering a proper possibility of monitoring progress
If possible, provide new career perspectives	Poorly describing quality management and risk management

GPPQ

Gabinete de Promoção do Programa-Quadro

www.gppq.pt/h2020/



1º contacto
O que é o H2020
Como funciona?



Verificação da ideia
A minha ideia integra-se numa *call* do H2020?
Onde?



Preparação da proposta
Construção do consórcio, escrita da proposta, procura de parceiros, revisão da proposta



Avaliação da proposta
por peritos independentes



Assinatura do contrato
Procedimentos administrativos e legais



Gestão do projeto
Relatórios, alterações ao contrato



Relatórios, Exploração dos resultados
Auditorias da CE

Pontos de Contacto Nacional Horizonte 2020

www.gppq.pt/h2020/contactos_ncp.php



Start your application today!

margarida.santos@gppq.pt

mafalda.dourado@gppq.pt

<http://www.gppq.fct.pt/h2020/>





MSCA bridging business and research

Mesa Redonda:

- **Vantagens de participação no Horizonte 2020**
- **Como submeter uma candidatura de sucesso**