

HORIZON 2020

**“I PROGRAMMI MARIE S. CURIE E IL
DOTTORATO:
UN GIOCO SENZA FRONTIERE”**

A P R E
A G E N Z I A
P E R L A
P R O M O Z I O N E
D E L L A
R I C E R C A
E U R O P E A



Le diverse azioni in ambito MSCA: ITN, IF, RISE

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[Horizon 2020]

Excellent Science

- **European Research Council**
 - Frontier research by the best individual teams
- **Future and Emerging Technologies**
 - Collaborative research to open new fields of innovation
- **Marie Skłodowska Curie actions**
 - Opportunities for training and career development
- **Research infrastructures** (including e-infrastructure)
 - Ensuring access to world-class facilities

Industrial Technologies

- **Leadership in enabling and industrial technologies**
 - ICT, nanotechnologies, materials, biotechnology, manufacturing, space
- **Access to risk finance**
 - Leveraging private finance and venture capital for research and innovation
- **Innovation in SMEs**
 - Fostering all forms of innovation in all types of SMEs

Societal Challenges

- Health, demographic change and wellbeing
- Food security, sustainable agriculture, marine and maritime research & the bioeconomy
- Secure, clean and efficient energy
- Smart, green and integrated transport
- Climate action, resource efficiency and raw materials
- Inclusive, innovative and reflective societies
- Security society

European Institute of Innovation and Technology (EIT)

Spreading Excellence and Widening Participation

Science with and for society

Joint Research Center (JRC)

enterprise
europe
network

Support on Your Journey



[Shift in focus and redefined priorities]

"Marie Skłodowska-Curie actions" shall provide **excellent** and **innovative** research **training** as well as attractive career and **knowledge-exchange** opportunities through **cross-border** and **cross-sector** **mobility** of researchers to best prepare them to face current and future **societal challenges.**"

Regulation (EU) No 1291/2013 of the European Parliament and of the Council of 11 December 2013, Part 1.c

Excellent
Innovative
Training
Knowledge
exchange
Cross-border
Cross-sector
Mobility
Societal challenges



[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



[MSCA]



[Individual Fellowships (IF)]

Objective

- ✓ enhance the creative and innovative potential of experienced researchers
- ✓ provide opportunities to acquire new knowledge, work on research projects in a European context or outside Europe, resume a career or return to Europe

Scope

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

Expected Impact

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



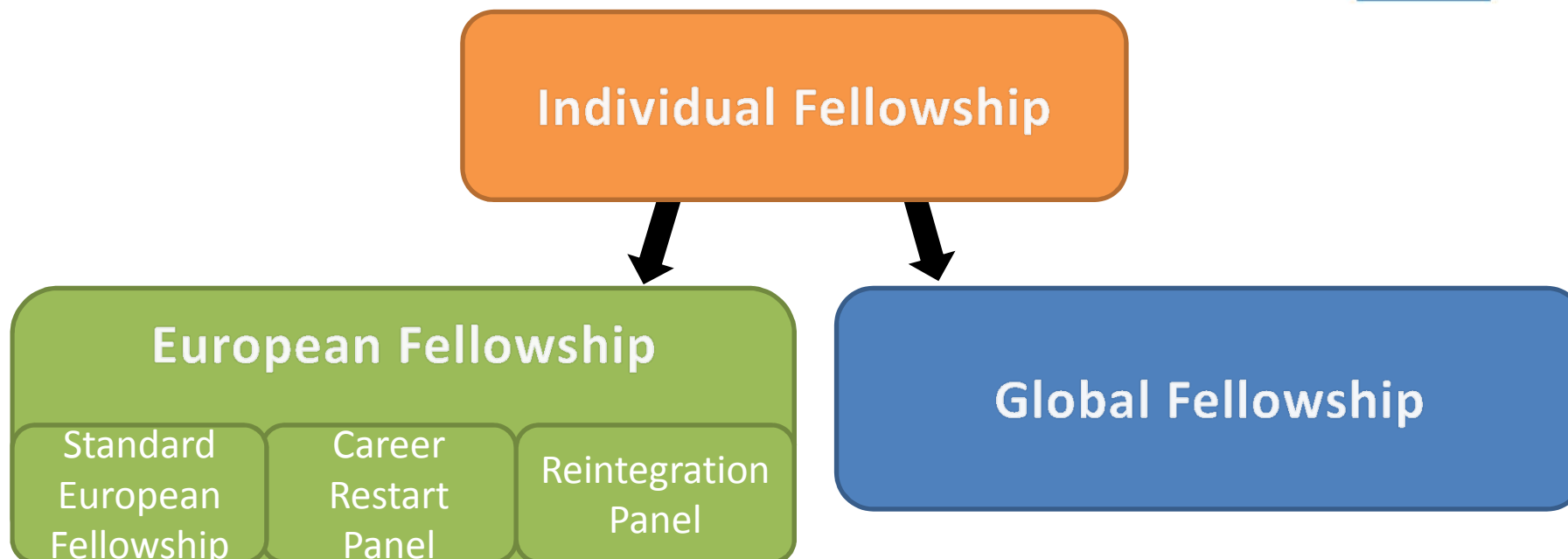
[Individual Fellowships (IF)]

Proposals for IFs involve a *single* host organisation (future beneficiary) established in a MS or AC.

The project proposals are submitted by the **host organisation**, which is represented by the **supervisor**, *in liaison* with the **researcher**.

Only the supervisor (from the host organisation as future beneficiary) can submit the proposal.

It is important to note that the Experienced Researcher (future fellow) and the supervisor must be two different people.



Any Experienced Researcher may submit only one proposal to this call for proposals



[IF – European and Global]

Any experienced researcher may submit only one proposal to the Marie Skłodowska-Curie Individual Fellowships 2014 call for proposals



**European
Fellowships**

EFs: 12-24 months

**Global
Fellowships**



GFs: 12-24 months for the outgoing phase plus
12 month return phase in Europe

[IF – Participants]

Beneficiary

- ✓ Beneficiary is the host organisation that not only recruits, supervises and assures the training of the researcher, but also appoints the scientist in charge. The Beneficiary signs the grant agreement, receives funding, claims costs and takes complete responsibility for executing the proposal.

Partner Organisations

- ✓ Partner organisations are institutions that provide additional training and host the researcher during secondments. The partner organisations **do not recruit any researchers and do not sign the grant agreement**. As such partner organisations **cannot directly claim any costs from the action**

[European Fellowships (EFs)]

Proposals are allocated for evaluation either to one of the 8 main scientific panels or to one of the 2 multidisciplinary panels "Career Restart Panel (CAR)" and "Reintegration Panel" (RI).

Chemistry (CHE)

Physics (PHY)

Social Sciences and Humanities (SOC)

Mathematics (MAT)

Information Science and Engineering (ENG)

Life Sciences (LIF)

Environment and Geosciences (ENV)

Economic Sciences (ECO)

[European Fellowships (EFs)]

Career restart panel (CAR):

- to resume research in Europe after a career break, e.g. after parental leave, is ensured via a separate multi-disciplinary career restart panel of the European Fellowships.
- To qualify for the career restart panel, researchers must not have been active in research for at least 12 months immediately prior to the deadline for submission

Multidisciplinary panel



[Individual Fellowships - IF]

Reintegration Panel (RI):

- The researcher must be a **national or long-term resident of the MS or AC.**

Long-term residents are researchers who spent a period of full-time research activity of at least 5 consecutive (without breaks in research) years in one or more MSs or ACs.

- The researcher must **move or have moved** (transnational mobility) **from a TC to the MS or AC** where the beneficiary is located.

- **RI mobility rule:** the researcher must not have resided or carried out the main activity (work, studies, etc.) in the country of his/her host organisation for more than 36 months in the 5 years immediately prior to the deadline for submission of proposals

Multidisciplinary panel



[Global Fellowships (GFs)]

Proposals are allocated for evaluation either to one of the 8 main scientific panels

Chemistry (CHE)

Physics (PHY)

Social Sciences and Humanities (SOC)

Mathematics (MAT)

Information Science and Engineering (ENG)

Life Sciences (LIF)

Environment and Geosciences (ENV)

Economic Sciences (ECO)



[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.



[Mandatory return phase- GF]

The mandatory return phase for the researcher (*future fellow*) in the European host organisation is essential for the successful achievement of the objectives of this action.

In case of non-fulfilment of this condition, **the host organisation has to reimburse the total amount** received from the REA for the benefit of the researcher under the Grant Agreement.

If the non-fulfilment of the return period lies with the researcher, the host organisation must take all appropriate measures (including legal action) to recover from the researcher the total amount received for her/his benefit under the Grant Agreement, in order to reimburse this amount to the REA.

[Award criteria: IF]

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

Innovative Training Networks (ITN)

MSCA - main EU programme for structured doctoral training

Objective

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

Scope

- ✓ European Training Networks (ETN), European Industrial Doctorates (EID) or European Joint Doctorates (EJD)
- ✓ Triple 'i' dimension of mobility and particular focus on innovation skills

Expected Impact

- ✓ structure research and doctoral training in Europe
- ✓ trigger cooperation and exchange of best practice among participants
- ✓ enhance researchers' employability and provide them with new career perspectives



Innovative Training Networks (ITN)

European Training Networks (ETN)

- The most general mode, epitomising the ITN policy objectives
- Does not require mandatory doctoral training but...

European Industrial Doctorates (EID)

- Focus on academic/non-academic collaboration
- Widening fellows' career horizons

European Joint Doctorates (EJD)

- Promoting greater structural co-operation between universities
- Offering more employment opportunities to fellows

[ITN – Who can apply?]

Who can apply?

- Networks of organisations involved in research and (research) training.

What types of organisations can apply?

- Two different types:
- ✓ **Academic sector:** public or private HEI awarding academic degrees, public or private non-profit research organisations, international European interest organisations
- ✓ **Non-academic sector:** any socio-economic actor not included in the academic sector definition

Innovative Training Networks (ITN)

Implementation Mode	Country of beneficiaries
European Training Network (ETN)	Minimum: 3 different countries: MS or AC
European Industrial Doctorates (EID)	Minimum: 2 different countries: MS or AC
European Joint Doctorates (EJD)	Minimum: 3 different countries: MS or AC
Additional beneficiaries or partner organisations can be established anywhere in the world (MS, AC, TC)	

Duration of support: 3-36 months

Researchers in EID shall spend at least 50% of their time in the non-academic sector

[Level of participation]

- ✓ **Beneficiaries:** signatory to the agreement
 - ✓ full partners
 - ✓ They contribute directly to the implementation of the research training programme by appointing, supervising, hosting and training researchers. They may also provide secondment opportunities
- ✓ **Partner organisations:** non-signatory of the agreement
 - ✓ do not employ the researchers within the project
 - ✓ A letter of commitment in the proposal

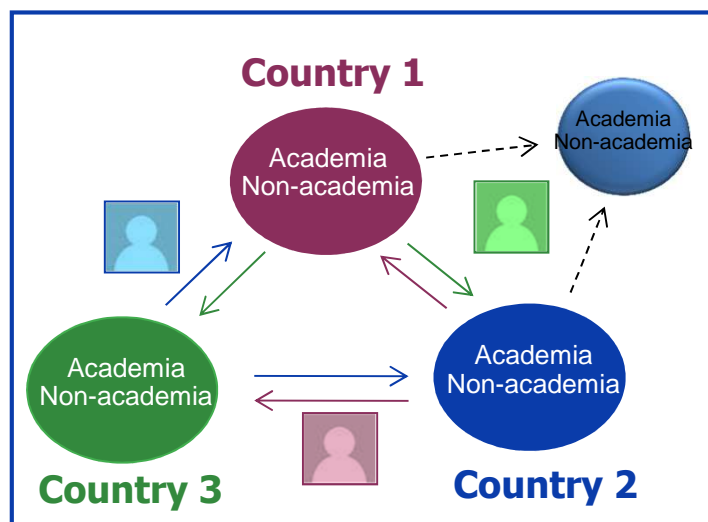


[Level of participation]

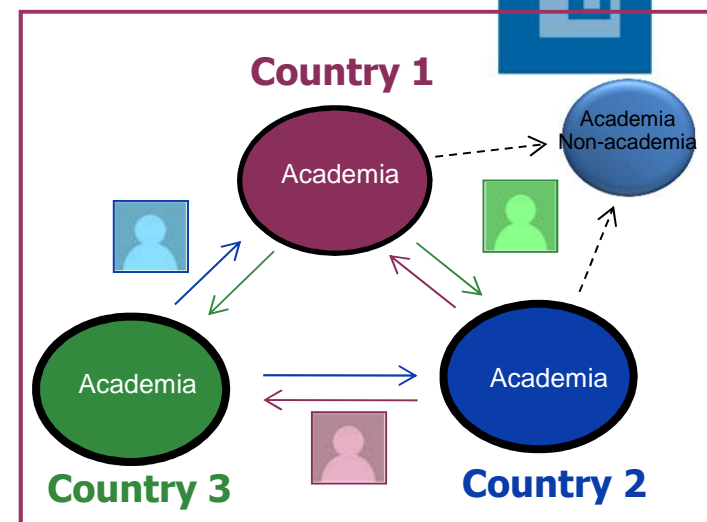
Minimum Number of Participants			
Network Status	ETN	EID	EJD
Beneficiary	3	2 1 doctoral-degree awarding; 1 non- academic	3 doctoral degree- awarding
Partner Organisation³	No minimum	No minimum	No minimum

Summary of Tasks				
Network Status	Recruitment of Researchers	Training and/or Hosting of Seconded Researchers	Participation in Supervisory Board	Directly Claims Costs
Beneficiary	✓	✓	✓	✓
Partner organisation	×	✓	✓	×

[ITN – consortia]

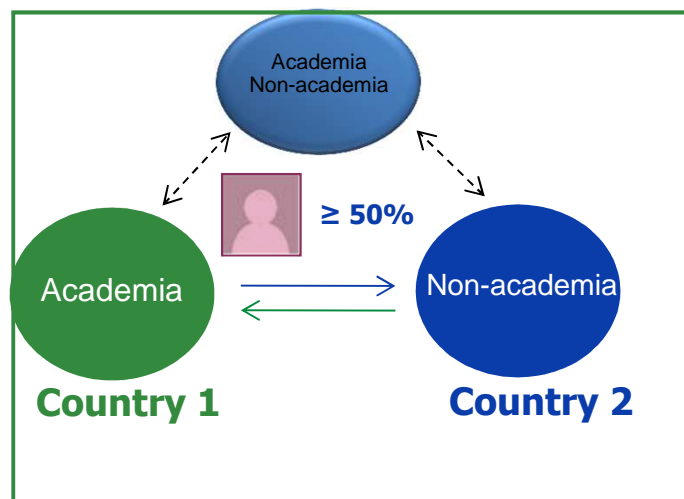


**European
Training
Networks**



**European
Joint
Doctorates**

**European Industrial
Doctorates**





[Innovative Training Networks - EJD]

Joint degree : single diploma issued by at least two higher education institutions offering integrated programme and recognised officially in the countries where the degree-awarding institutions are located

Double or multiple degree: two or more separate national diplomas issued by two or more higher education institutions and recognised officially in the countries where the degree-awarding institutions are located





[Award criteria: ITN]

Excellence	Impact	Implementation
Quality, innovative aspects and credibility of the research programme (including inter/multidisciplinary and intersectoral 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 (including awarding of the doctoral degrees for <i>EID</i> and <i>EJD</i> projects)
Quality and innovative aspects of the training programme (including transferable skills, inter/multidisciplinary and intersectoral aspects)	Contribution to structuring doctoral / early-stage research training at the European level and to strengthening European innovation capacity, including the potential for: a) meaningful contribution of the non-academic sector to the doctoral/research training, as appropriate to the implementation mode and research field b) developing sustainable joint doctoral degree structures (for <i>EJD</i> projects only)	Appropriateness of the management structures and procedures , including quality management and risk management (with a mandatory joint governing structure for <i>EID</i> and <i>EJD</i> projects)
Quality of the supervision (including mandatory joint supervision for <i>EID</i> and <i>EJD</i> projects)	Effectiveness of the proposed measures for communication and dissemination of results	Appropriateness of the infrastructure of the participating organisations
Quality of the proposed interaction between the participating organisations		Competences, experience and complementarity of the participating organisations and their commitment to the programme



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Business Support on Your Doorstep



Research and Innovation Staff Exchange (RISE)

Objective

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

Scope

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



Expected Impact

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



Research and Innovation Staff Exchange (RISE)

Participants in the RISE shall be established in **at least three different countries** of which at least two must be EU Member States and/or Associated Countries.

If all participants are from the **same sector** (either only academic or only non-academic), **at least one participant must be from a third country**.

Above this minimum, the participation of institutions from any country or organisation is possible under the conditions provided by the Horizon 2020 Rules for Participation



Research and Innovation Staff Exchange (RISE)

Duration of support: 1-12 months

Secondments may be split into several stays not exceeding 12 months in total and not going beyond the project duration. The splits must be justified and considered beneficial for the transfer of knowledge activities.

The exchanged staff members* should be guaranteed full reintegration into the sending institution thus maximising the impact of the action for knowledge sharing and long-term collaboration.

* **Staff members** in RISE are researchers (ESR and ER), innovators, administrative, managerial and technical staff supporting the research and innovation activities of the project. They shall be actively engaged in or linked to research and/or innovation activities for at least six months (full-time equivalent) at the sending institution prior to the first period of secondment. Secondments in RISE are not subject to the mobility rules.



Research and Innovation Staff Exchange (RISE)



Support for the exchanges between institutions in the EU Member States and Associated Countries covers only inter-sector secondments.



Exchanges with institutions from third countries can be inter-sector secondments as well as secondments within the same sector.



No secondments between institutions located in third countries or within the same EU Member State or Associated Country can be supported



[Award criteria: RISE]

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 knowledge sharing among the participants in light of the research and innovation objectives.	To develop new and lasting research collaborations, to achieve transfer of knowledge between research institutions and to improve research and innovation potential at the European and global levels	Appropriateness of the management structures and procedures , including quality management and risk management
Quality of the interaction between the participating organisations	Effectiveness of the proposed measures for communication and results dissemination	Appropriateness of the institutional environment (infrastructure)
		Competences, experience and complementarity of the participating organisations and institutional commitment

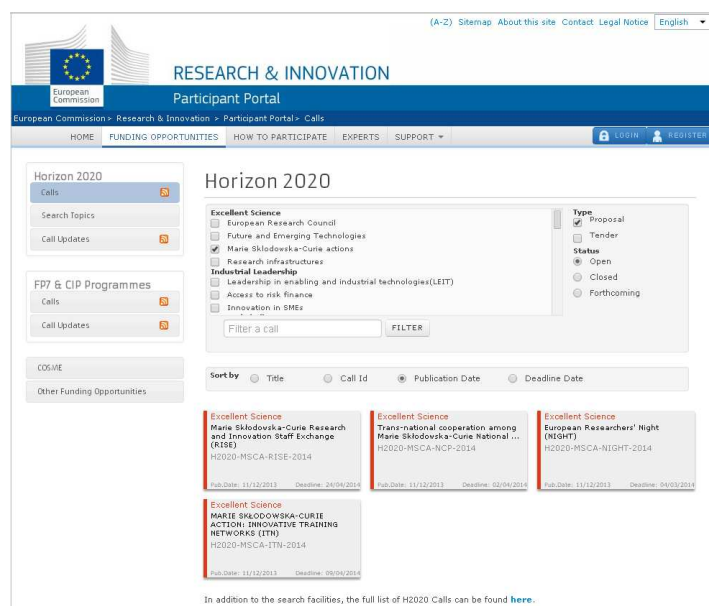


Call deadlines 2015

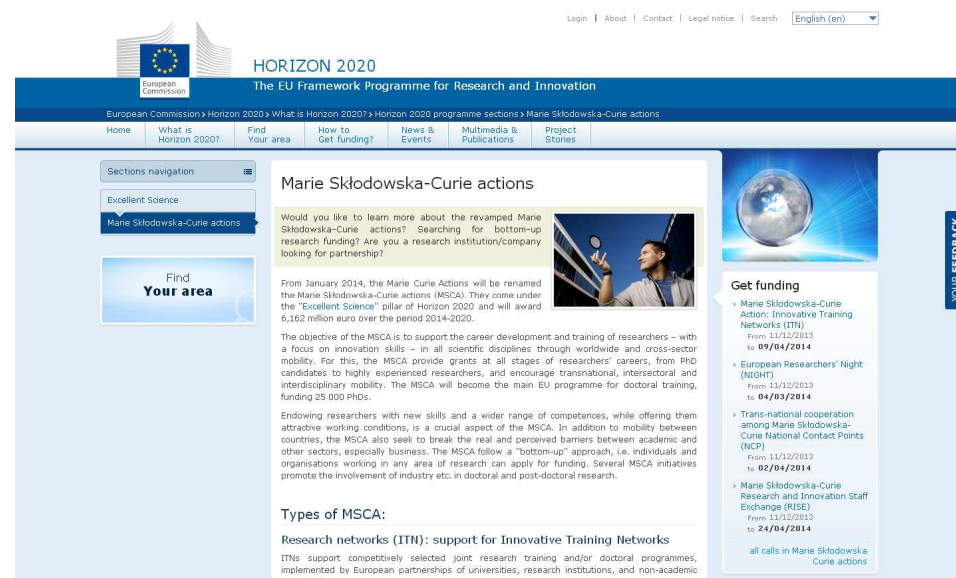
Call ID	Call Opens	Call Deadline	Budget (Mio EUR)
H2020-MSCA-ITN-2015	02-09-2014	13-01-2015	370.00
H2020-MSCA-IF-2015	12-03-2015	10-09-2015	213.00
H2020-MSCA-RISE-2015	06-01-2015	28-04-2015	80.00
H2020-MSCA-COFUND-2015	14-04-2015	01-10-2015	80.00



Links



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



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

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