



# Marie Skłodowska-Curie Actions (Horizon 2020)

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MSCA



**Excellence**

**Research**

**Training**

**Skills**

**Mobility**



# MSCA

## Part of H2020 strategy



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## H2020 main pillars

### Excellent Science

- ✓ European Research Council
- ✓ Future and Emerging Technologies
- ✓ **Marie Skłodowska-Curie actions**
- ✓ Research infrastructures

### Industrial Leadership

- ✓ Leadership in enabling and industrial technologies (ICT, nano, materials, bio, manufacturing, space)
  - ✓ Access to risk finance
  - ✓ Innovation in SMEs

### Societal Challenges

- ✓ Health, Demographic Change and Wellbeing
- ✓ Food Security, Sustainable Agriculture and Forestry, Marine, 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

# MSCA

## General overview



### Objective

Ensure the optimum development and dynamic use of Europe's intellectual capital in order to generate new skills and innovation

### Total budget

(2014-2020): € 6.2 billions ~ 8% total H2020 budget

### Targeted researchers (2014-2015 Work Programme)

- ✓ **ESR**: ~55% budget (ITN and COFUND "doctoral")
- ✓ **ER**: ~35% budget (IF and COFUND "fellowship")
- ✓ **STAFF** (ESR, ER, technical, administrative, managerial): ~10% budget (RISE)

### How

1. Fostering **new skills** by means of excellent initial training of researchers
2. Nurturing **excellence** by means of cross-border and cross-sector mobility
3. Stimulating **innovation** by means of cross-fertilisation of knowledge
4. Increasing **structural impact** by co-funding the activities
5. Specific **support and policy actions**

# MSCA

## Key Features



### From FP7 to H2020

- ✓ Unit costs => further simplified
- ✓ Simple rules => further harmonized
- ✓ Funding levels => further reconciled
- ✓ Broad schemes => further rationalised
- ✓ Principles: mobility - bottom-up - career development - work/life balance - gender balance - attractive employment and working standards - open, transparent, fair selection and recruitment procedures - public engagement => further emphasized
- ✓ Synergies with other programmes: further developed
- ✓ Industry involvement => further encouraged
- ✓ Award criteria => further streamlined

# MSCA

## Award criteria (general)



<b>PRIORITY</b>	<b>AWARD CRITERIA</b>	<b>WEIGHTING</b>
<b>1</b>	<b>EXCELLENCE</b>	<b>50%</b>
<b>2</b>	<b>IMPACT</b>	<b>30%</b>
<b>3</b>	<b>IMPLEMENTATION</b>	<b>20%</b>

# MSCA

## Award criteria (IF example)



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2. IF - Marie Skłodowska-Curie Action: Individual Fellowships		
Excellence	Impact	Implementation
Quality, innovative aspects and credibility of the research (including inter/multidisciplinary aspects)	Enhancing research- and innovation-related human resources, skills and working conditions to realise the potential of individuals and to provide new career perspectives	Overall coherence and effectiveness of the work plan, including appropriateness of the allocation of tasks and resources
Clarity and quality of transfer of knowledge/training for the development of researcher in light of the research objectives	Effectiveness of the proposed measures for communication and results dissemination	Appropriateness of the management structures and procedures, including quality management and risk management
Quality of the supervision and the hosting arrangements		Appropriateness of the institutional environment (infrastructure)
Capacity of the researcher to reach or re-enforce a position of professional maturity in research		Competences, experience and complementarity of the participating organisations and institutional commitment
50%	30%	20%
Weighting		
1	2	3
Priority in case of <i>ex aequo</i>		

Proposals evaluated based on award criteria

Detailed award criteria for each MSCA in **Work Programme**

More practical information and proposal templates in the **Guide for applicants**

**Feedback, comments and scoring** provided to applicants for each criteria

# MCSA

## Evaluation process



- ✓ Proposals evaluated by **independent experts** chosen in light of their specific skills, experience and knowledge in relevant area
- ✓ Experts excluded if **conflict of interest**
- ✓ Experts bound by **confidentiality**
- ✓ Applicants can request **review** of evaluation process if shortcomings
- ✓ **Ranking list** established per panel
- ✓ **Budget distribution** by panel: **NOT pre-established** but proportional to proposals received in each panel (except when specific budget foreseen for multidisciplinary panel)
- ✓ **Timing**: maximum **5 months** to inform about outcome + maximum **3 months** to sign agreement



# MSCA

## From 8 to 4 Actions



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ITN	<b>ITN</b>	<p><b>Innovative Training Networks</b></p> <p>Support for doctoral and early-stage training European Training Networks, European Industrial Doctorates, European Joint Doctorates</p>
IEF IOF IIF CIG	<b>IF</b>	<p><b>Individual Fellowships</b></p> <p>Support for experienced researchers undertaking international and inter-sector mobility: European Fellowships and Global Fellowships Dedicated support for career restart and reintegration</p>
IAPP IRSES	<b>RISE</b>	<p><b>Research and Innovation Staff Exchange</b></p> <p>International and inter-sector cooperation through the exchange of staff</p>
COFUND	<b>COFUND</b>	<p><b>Co-funding of regional, national and international programmes</b></p> <p>Doctoral and Fellowship programmes</p>

# Innovative Training Networks (ITN)



**Joint research training or doctoral programme**  
**TARGET: Early Stage Researchers (ESR)**



- ✓ **How:** Recruitment, training and secondment of several ESRs within a partnership
- ✓ **3 possibilities:**
  1. ETN (European Training Networks): triple "I" joint research training
  2. EID (European Industrial Doctorates): industry-oriented doctorate –at least 50% in non-academic sector-
  3. EJD (European Joint Doctorates): joint/double/multiple **doctoral degree**
- ✓ **Objectives:**
  - Intersector, interdisciplinary and international training
  - Train a new generation of creative, entrepreneurial and innovative ESR
  - Convert knowledge and ideas into products and services for economic and social benefit
  - Enhance career perspectives and develop innovation-oriented mind-set

# ITN

## Main features



- ✓ Duration of projects: maximum 4 years
- ✓ Minimum eligibility conditions:
  - ETN: 3 beneficiaries MS/AC
  - EID: 2 beneficiaries MS/AC => 1 academic and 1 non-academic
  - EJD: 3 beneficiaries MS/AC => degree awarding
- ✓ Open, merit-based, transparent, impartial and equitable recruitment procedure
- ✓ Recruitment for 3-36 months per researcher
- ✓ Transnational mobility at the moment of recruitment
- ✓ Broad possibilities of secondment and training
- ✓ High level and individualised supervision
- ✓ Maximum 540 researcher-months per project (180 for EID with only 2 beneficiaries)
- ✓ 8 panels (separate multidisciplinary panels for EID and EJD)

# Individual Fellowships (IF)



**International** and **intersector** mobility  
TARGET: **Experienced Researchers (ER)**

- ✓ **How:** Fellowship managed by one beneficiary
- ✓ **4 possibilities:**
  1. European Fellowships => mobility within or to Europe
  2. Global Fellowships => mobility outside Europe + reintegration phase
  3. Career Restart Panel => resume research after career break
  4. Reintegration Panel => come back to Europe after experience abroad

## ✓ **Objectives:**

- Enhance creative and innovation potential of researchers
- Acquire and transfer new and diversified knowledge
- Maximise career development opportunities
- Encourage return and re-intergration in Europe



# IF

## Main features



- ✓ Duration of projects: 1-2 years (IF Global: 2-3 years including reintegration phase of 1 year)
- ✓ ER of any nationality (IF Global and IF Reintegration: nationals of EU MS/AC and long-term residents)
- ✓ ER = (1) doctoral degree or (2) 4 years full-time research experience as from degree allowing to embark on a doctorate
- ✓ Transnational mobility at call deadline (not resided or carried out main activity in host country for more than 12 months in last 3 months)
- ✓ Career restart panel: not active in research the last 12 months prior to call deadline
- ✓ Additional 3 or 6 months secondment option, within Europe and in another sector
- ✓ High level and individualised supervision (Mandatory Career Development Plan)
- ✓ 8 panels (separate multidisciplinary panels for CAR and Reintegration)

# Research and Innovation Staff Exchange (RISE)



**International** and **inter-sector** cooperation through exchange of staff  
**TARGET: ESR, ER, administrative, technical, managerial staff**

- ✓ **How:** Inter-sector and international exchanges within a partnership
  1. Exchanges between institutions **within EU** (inter-sector)
  2. Exchanges from **EU to outside EU**
  3. Exchanges from **outside EU to EU** (funded depending on TC)
  4. Exchanges between institutions outside EU or within same MS/AC **not funded**
  
- ✓ **Objectives:**
  - Stimulate **transfer of knowledge** and sharing of ideas
  - From **research to market** and vice versa
  - Turn creative ideas into **innovative products, services or processes**

# RISE

## Main features



- ✓ Duration of projects: maximum 4 years
- ✓ Based on common research and innovation project
- ✓ Minimum eligibility condition: participants in 3 different countries (at least 2 MS/AC)
- ✓ Support to secondments of staff members (1-12 months)
- ✓ No mobility rule required
- ✓ Eligibility condition for staff member: 6 months (full-time) at the sending institution prior to the first secondment
- ✓ Maximum 540 researcher-months per consortium
- ✓ 8 evaluation panels



**Co-funding** new or existing regional, national international programmes

TARGET: **ESR** and **ER**

- ✓ **How:** co-funding a beneficiary for implementing/funding programmes following the same principles/standards of MSCA
- ✓ **2 possibilities:**
  1. **Doctoral** programs (ESR)
  2. **Fellowship** programs (ER)
- ✓ **Objectives:**
  - Stimulating regional, national and international programmes to **foster excellence**
  - Spreading **best practices** of MSCA in terms of international mobility, research training, career development
  - **Combat fragmentation**



# COFUND

## Main features



- ✓ Duration of projects: 3 to 5 years
- ✓ One single beneficiary in MS/AC to ensure matching funds (must fund or manage programs => ex: national funding agencies)
- ✓ Recruitment of researchers: minimum 3 months
- ✓ Respect of MSCA standards: mobility - bottom-up - career development - work/life balance - gender balance - attractive employment and working standards - open, transparent, fair selection and recruitment procedures, etc...
- ✓ Respect of minimum remuneration for the researcher
- ✓ Co-financing of 50%
- ✓ Maximum € 10 Million per single applicant per call
- ✓ 8 evaluation panels ( 2 separate panels for doctoral and fellowship)

# MSCA

## Funding rates



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MSCA	Researcher unit cost			Institutional unit cost	
	Living allowance (country coefficient) = GROSS SALARY	Mobility allowance	Family allowance	Research, training and networking costs	Managem ent and indirect costs
<b>ITN</b>	3 110	600	500	1 800	1 200
<b>IF</b>	4 650	600	500	800	650
<b>RISE</b>	Staff member unit cost Top-up allowance (accommodation, travel and subsistence)				
	2 000			1 800	700
<b>COFUND</b>	Researcher unit cost (50%)			Institutional unit cost (50%)	
	Early-stage researchers	3 710		650	
	Experienced researchers	5 250			

# MSCA

## Calls planning



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<b>ITN</b>	<b>11/12/2013 – 9/04/2014</b> 2/09/2014 – 13/01/2015	EUR 405.18 million in 2014 (EID: 25.5 M, EJD: 30 M) EUR 370 million in 2015 (EID: 25 M, EJD 28 M)
<b>IF</b>	12/03/2014 – 11/09/2014 12/03/2015 – 10/09/2015	EUR 240.50 million in 2014 (Global Fellowships: 29 M) EUR 213.00 million in 2015 (Global Fellowships: 27 Mio)
<b>RISE</b>	<b>11/12/2013 – 24/04/2014</b> 6/01/2015 – 28/04/2015	EUR 70.00 million in 2014 EUR 80.00 million in 2015
<b>COFUND</b>	10/04/2014 – 2/10/2014 14/04/2015 – 1/10/2015	EUR 80.00 millions in 2014 (Doctoral programmes: 30 M) EUR 80.00 millions in 2015 (Doctoral programmes: 30 M)
<b>NIGHT</b>	<b>11/12/2013 – 4/03/2014</b>	EUR 8.00 million

# MSCA

## Expected impact



- ~ 65.000 researchers to be supported, including 25.000 PhD candidates
- ~ 200.000 scientific publications in high impact peer-reviewed journals
- ~ 1.500 patent applications
- ~ 100 spin-offs created
- ~ 350-400 new regional / national / international programmes



## **Marie Skłodowska-Curie Actions Website**

**<http://ec.europa.eu/mariecurieactions>**

## **Horizon 2020**

**<http://ec.europa.eu/research/horizon2020>**

## **Participant Portal (applications)**

**<http://ec.europa.eu/research/participants/portal/page/home>**

### **Read carefully:**

- Work Programme
- Call fiche
- Guide for applicants
- Guide to proposal submission and evaluation
- MSCA agreement: specific MSCA obligations (more technical, get help from your organisation)

**Prepare proposal  
well in advance**

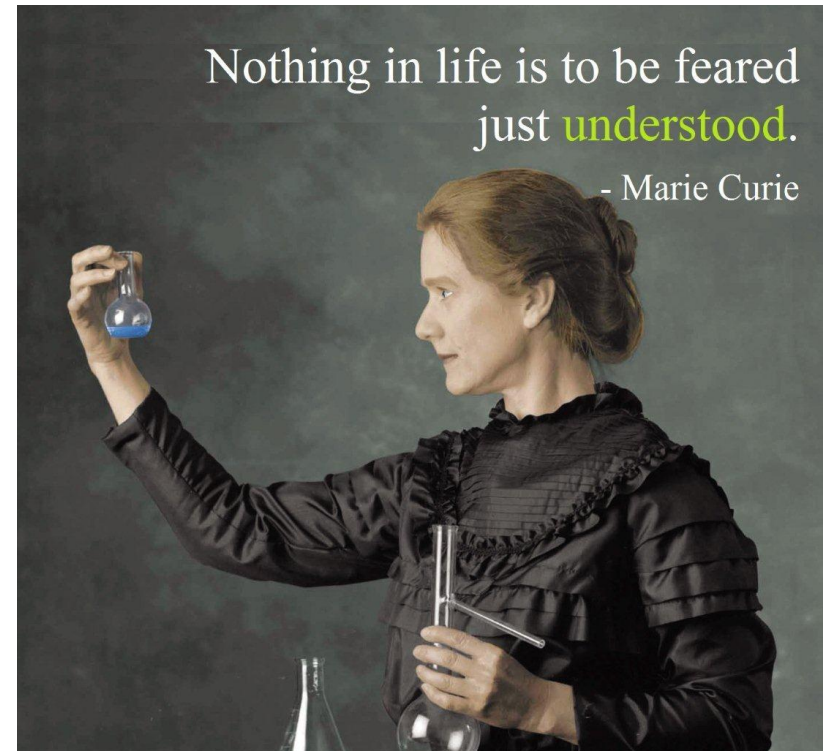
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***THANK YOU FOR  
YOUR ATTENTION***

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