



The Marie Skłodowska-Curie Actions in Horizon Europe

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Reminder: MSCA in Horizon 2020 (2014-2020)

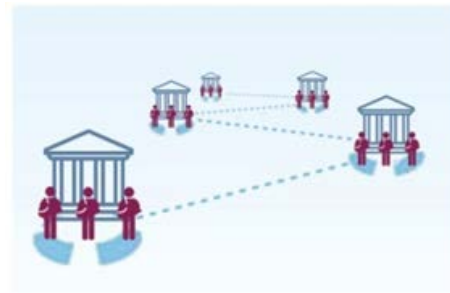
- Supporting researcher training and career development
- Funding excellent research, bottom-up
- Promoting researcher mobility
- Stimulating international, inter-sectoral and interdisciplinary cooperation
- Impacting researcher careers, organisations, structures



ITN
Innovative
Training Networks



IF
Individual
Fellowships



RISE
Research and Innovation Staff
Exchange



COFUND
Co-Funding of Regional, National and
International Programmes

European
Researchers'
Night

Horizon Europe

is the Commission proposal for a **€100 billion** research and innovation funding programme for seven years (2021-2027)



to strengthen the EU's scientific and technological bases



to boost Europe's innovation capacity, competitiveness and jobs



to deliver on citizens' priorities and sustain our socio-economic model and values

Marie Skłodowska-Curie Actions?

Continuation, no revolution: *a sign of confidence*

HORIZON EUROPE objectives and structure

Commission proposal June 2018:

Support the creation and diffusion
of high-quality knowledge

Strengthen the impact of R&I
in supporting EU policies

Foster all forms of innovation and
strengthen market deployment

Optimise the Programme's delivery for impact in a strengthened ERA



Pillar 1
Open Science

European Research Council

Marie Skłodowska-Curie Actions

Infrastructures



Pillar 2
Global Challenges and
Industrial Competitiveness

Clusters

- Health
- Inclusive and Secure Society
- Digital and Industry
- Climate, Energy and Mobility
- Food and natural resources

Joint Research Centre



Pillar 3
Open Innovation

European Innovation Council

European innovation ecosystems

European Institute of Innovation
and Technology

Strengthening the European Research Area

Sharing excellence

Reforming and Enhancing the European R&I system

A **EUR 100 billion** package investing in research and innovation for seven years (2021-2027), including Euratom

MSCA in Horizon Europe

http://europa.eu/rapid/press-release_IP-18-4041_en.htm

- Overall: **continuation**
- Investing in **the people behind R&I**, delivering talents and improving careers
- Bottom-up, competition-based research programme
- Creating impact on researchers, institutions, structures
- 5 areas of intervention:
 - *mobility of researchers*
 - *training of researchers*
 - *strengthening human capital across the ERA*
 - *facilitating synergies*
 - *promoting public outreach*



MSCA in Horizon Europe, guiding principles

- Researcher-centred, new skills and knowledge
- Charter and Code principles
- Triple I cross-boundary collaboration and mobility:
 - International
 - Inter-sectoral (incl research-business)
 - Interdisciplinary
- Open to all domains, relevance for society (SDGs)
- Responsible Research & Innovation
 - Equal opportunities
 - Open Science and FAIR data
- Principles of equality, diversity and inclusion



Time table

- 7 June 2018 Publication Commission's proposal on HE
- 19/20 March 2019 Parliament-Council partial agreement on the Commission proposal
- 27 March-18 Apr. 2019 Approval by Council and Parliament
- Q2 2019 Shadow Programme Committee established.
3 Meetings in May-June
Fine-tuning MSCA architecture and implementation
- 4-5 June 2019 Romanian Presidency conference on MSCA
- 24-26 Sept. 2019 R&I Days during Finnish Presidency
- October 2019 Consultation of R&I umbrella organisations
- Dec. 2019/early 2020 Adoption of the Strategic Plan implementing act
- Spring/summer 2020 Elaboration of the first Work Programme
- Early autumn 2020 Adoption of the Work Programme
- January 2021 Start of Horizon Europe

MSCA in Horizon Europe, supporting:



1. Doctoral Training Networks
2. Postdoctoral Fellowships
3. Staff Exchanges
4. Synergies
5. European Researchers' Festivals

- *doctoral candidates*
- *postdoctoral researchers*
- *any type of research staff*
- *co-funding training programmes*
- *public outreach events*

Evolution in the implementation

- **Streamlined actions.** From 9 sub-actions to 5 actions
- Continuation of simplified form of grants
- **Simpler rules, fine-tuned definitions,** harmonised conditions
- Demand management
- Improved internal coherence & reinforced external synergies



Managing the demand

- **Highly attractive programme, systematically oversubscribed**
 - Success rates decrease (7% for ITN in 2017)
 - Number of applications increase (>9,800 for IF in 2018)
 - Resubmissions
- **Consequently:**
 - Increasing number of top quality applications remain unfunded (ITN, IF)
 - Increasing complexity to manage the proposal evaluation (IF)
- **Designing measures to better manage the demand**



1. Doctoral Training Networks in HE

- MSCA will continue to support doctoral candidates
- Clarify and simplify
- Integrating objectives of 3 sub-actions into a **single action**. Incentives.
- Manage demand, improve success rates:

Reduce fellow-months, limit resubmissions



2. Postdoctoral Fellowships in HE

- Continue supporting post-doctoral researchers
- Introduce focus on the **scientifically younger generation**
- Clarify and simplify. From 5 sub-actions to 1 single action
- Deliver highly-skilled talents to both academia and beyond. Incentives.
- Contribute to closing the R&I divide



3. Staff Exchanges in HE

- Continue supporting staff exchanges, **open to any type of staff**
- Emphasis on the **added-value of the collaboration** itself
- Lean and flexible tool to support collaboration
- I³ approach, incl. academia-to-academia exchanges within Europe



4. Synergies in HE

- Continue **co-funding** national, regional, institutional schemes for doctoral training and postdoctoral fellowships. Spread best practice.
- Merge both sub-schemes (DP, FP) into one overarching project type
- Simplification: Increase in total EU contribution up to the minimum amount required to pay the fellow. No mandatory top-up.
- Greater **focus on new beneficiaries** and new training programmes
- Facilitating synergies with Structural Funds



5. European Researchers' Festivals

- Continuation of the **European Researchers' Night**-like activities
- **Extension** to existing outreach events
 - Supporting also other science festivals and outreach events with EU-added value



in 2018: 1.5 million visitors

Internal coherence and external synergies

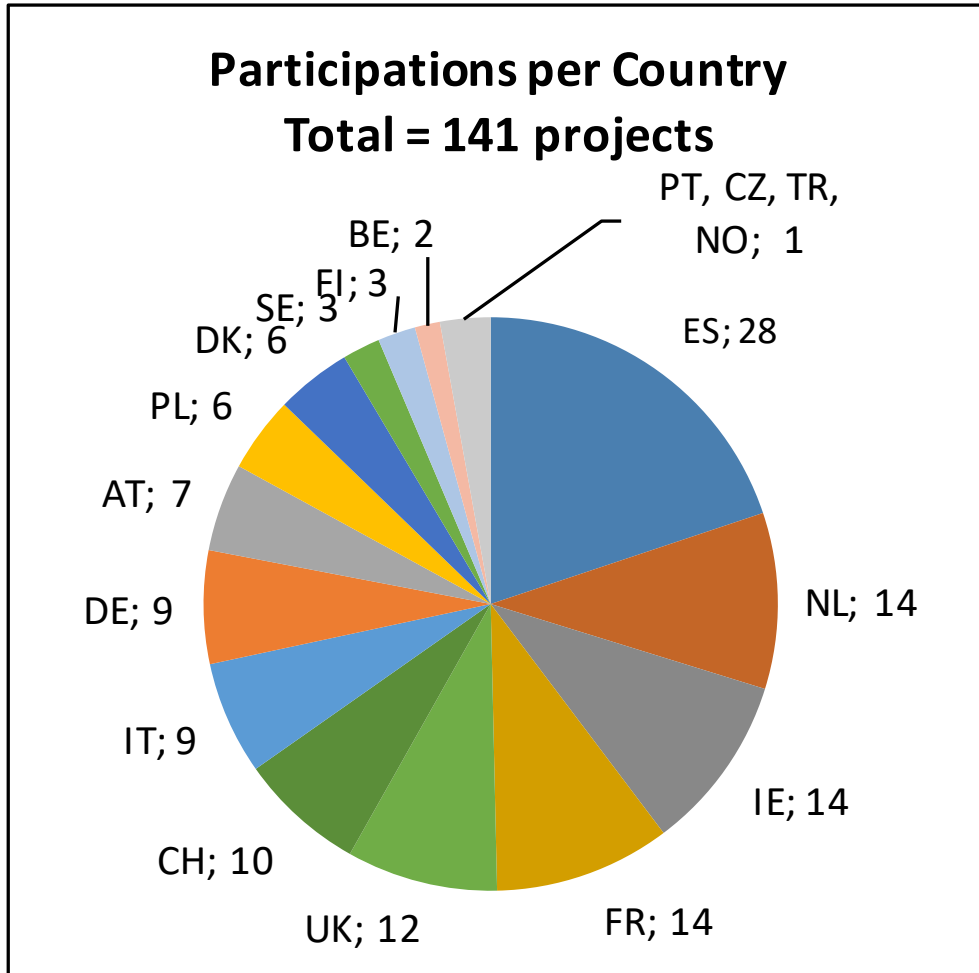
- **Synergies with other parts of Horizon Europe**
 - Linking with global challenges (missions) and open innovation (EIT-KICs). Clustering.
 - Facilitating access to innovation/entrepreneurial activities. Training.
 - Strengthening the ERA
- **Synergies with other EU programmes**
 - Structural Funds
 - Education policies. Teaching.

Sharing excellence

- Maintain competition-for-excellence principle
- Contribute to strengthening the ERA
 - **Widening Fellowships** pilot 2018-2020 (to be evaluated in 2020/2021)
 - **Seal of Excellence**
 - **Network of MSCA NCPs / NCP Academy**



Spain and Portugal in COFUND 2014-2018



ES:

28 projects: 11 DP, 17 FP

Success rate: 26.9%

(Avg. success rate: 25.4%)

14 REC, 9 HES, 3 PUB, 2 OTH

PT:

1 FP

Success rate: 12.5%

Spain and the MSCA (2014-2018)

H2020 Key facts and figures (2014-2020)

Number of ES researchers funded by MSCA:	2 148
EU budget awarded to ES organisations (EUR million):	358,48
Number of ES organisations in MSCA:	588

In detail, the number of the organisation participations and the budget awarded to them, as well as the number of researcher mobilities involving these organisations:

Action	Number of Participations of ES organisations*		EU contribution (in EUR million) to ES organisations	Number Of Projects	ES researchers involved	Researchers going to ES organisations
COFUND	138	(115)	66,45	38	184	129
IF	545	(-)	93,17	540	723	540
ITN	663	(234)	155,18	303	499	492
NIGHT	67	(-)	1,79	11	N/A	0
RISE	331	(-)	41,89	185	742	974
Total:	1 744	(349)**	358,48	1 077	2 148	2 135

* Number of Participations is the number of participations by organisations i.e. the total number of times that organisations in this country have participated in each action.

**In brackets - partner organisations (included in the total number).

http://ec.europa.eu/research/mariecurieactions/msca-numbers_en

Portugal and the MSCA (2014-2018)

H2020 Key facts and figures (2014-2020)

Number of PT researchers funded by MSCA:	716
EU budget awarded to PT organisations (EUR million):	66,67
Number of PT organisations in MSCA:	165

In detail, the number of the organisation participations and the budget awarded to them, as well as the number of researcher mobilities involving these organisations:

Action	Number of Participations of PT organisations*		EU contribution (in EUR million) to PT organisations	Number Of Projects	PT researchers involved	Researchers going to PT organisations
COFUND	5	(5)	N/A	5	44	11
IF	70	(-)	10,28	65	125	65
ITN	181	(73)	38,13	97	235	118
NIGHT	27	(-)	1,25	8	N/A	0
RISE	126	(-)	17,01	72	312	318
Total:	409	(78)**	66,67	247	716	512

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Gracias
Obrigado

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<http://ec.europa.eu/horizon-europe>