

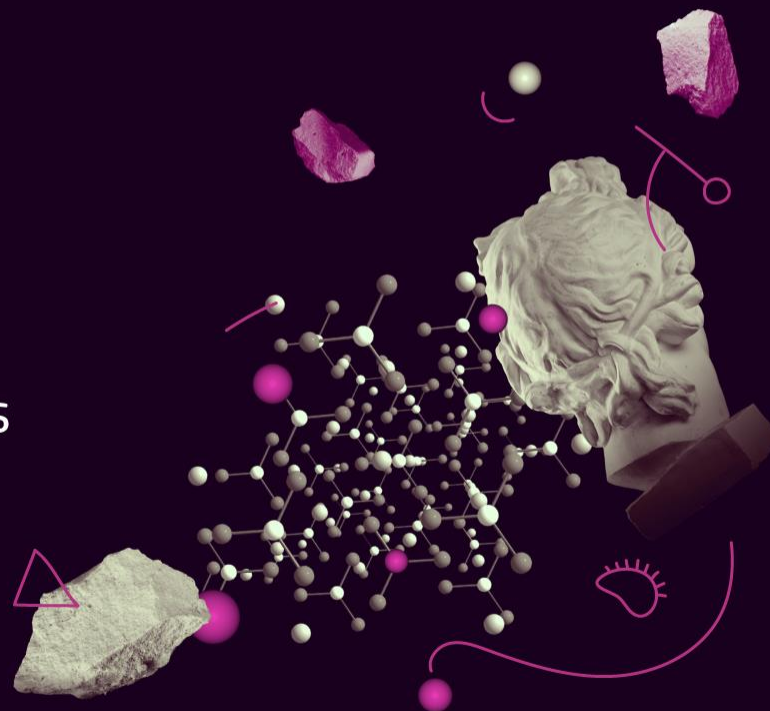


MSCA

Marie Skłodowska-Curie Actions

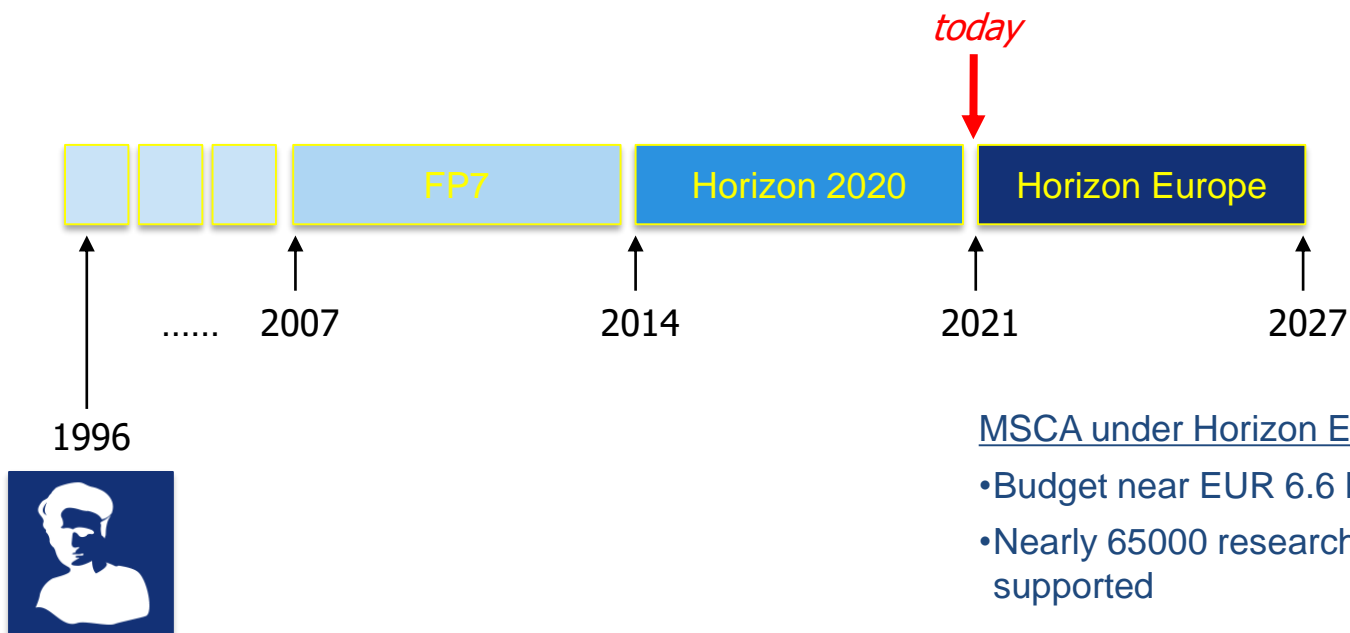
Developing talents, advancing research

under
Horizon Europe



Eleni Konsta
European Commission
Directorate-General for Education, Youth, Sport and Culture
Unit C2. Marie Skłodowska-Curie Actions

Marie Skłodowska-Curie Actions (MSCA)



MARIE SKŁODOWSKA-CURIE ACTIONS

130 000+

researchers & organisations worldwide have benefited from MSCA for more than 20 years



€6.2 BILLION
TO SUPPORT



65 000+
RESEARCHERS,



INCLUDING
25 000 PHDS

2014-2020

9 NOBEL LAUREATES

- > 3 winners for Medicine (2013, 2014)
- > 3 winners for Chemistry (2014, 2016)
- > 2 winners for Physics (2015, 2017)
- > 1 winner for Economic Sciences (2014)



1 OSCAR WINNER

An MSCA scientist and a team of software developers won a Technical Oscar for visual effects on Casino Royale in 2006.

The MSCA under Horizon Europe

HORIZON EUROPE

EURATOM

SPECIFIC PROGRAMME: EUROPEAN DEFENCE FUND

*Exclusive focus on
defence research
& development*

Research
actions

Development
actions

SPECIFIC PROGRAMME IMPLEMENTING HORIZON EUROPE & EIT

Exclusive focus on civil applications



Pillar I
EXCELLENT SCIENCE

European Research Council

Marie Skłodowska-Curie

Research Infrastructures



Pillar II
GLOBAL CHALLENGES &
EUROPEAN INDUSTRIAL
COMPETITIVENESS

Clusters

- Health
- Culture, Creativity & Inclusive Society
- Civil Security for Society
- Digital, Industry & Space
- Climate, Energy & Mobility
- Food, Bioeconomy, Natural Resources, Agriculture & Environment

Joint Research Centre



Pillar III
INNOVATIVE EUROPE

European Innovation
Council

European Innovation
Ecosystems

European Institute of
Innovation & Technology*

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation & spreading excellence

Reforming & Enhancing the European R&I system

Fusion

Fission

Joint
Research
Center

* The European Institute of Innovation & Technology (EIT) is not part of the Specific Programme



European
Commission

Key features



**Researchers'
training, skills and
career
development (all
stages of career)**



**Excellent research
in all domains
(bottom-up
approach)**



**International,
cross-sectoral &
interdisciplinary
mobility**



**Attractive working
and employment
conditions**



**Structuring impact
on organisations
through excellent
programmes**



**Strong
collaboration with
industry and SMEs**

Evolution in the MSCA's implementation

- **Streamlined actions**, clearer identity and target groups
- **Simpler** rules, **fine-tuned** definitions (doctoral/postdoctoral), **harmonised** conditions (e.g. single mobility rule, duration of secondments)
- Strengthening **inter-sectoral, interdisciplinary and international** dimensions.
 - Incentives for **building bridges between academia and non-academic sector under DN and PF**
 - Reference in the **expected impact and outcome**, in **award criteria & priority order for ex-aequo proposals**
- **Demand management** to maintain high-quality and attractiveness (maximum limits in eligibility of researchers, resubmission restrictions from 2022)
- Guidelines on **supervision** and **environmentally responsible practices** (MSCA Green Charter)
- Reinforced synergies within Horizon Europe and between programmes: **Euratom, ERC, Research Infrastructures, EIT, EIC, Erasmus+, COST, ...**
- Synergies between funding instruments: **European Regional Development Fund (ERDF); European Social Fund (ESF+), Recovery and Resilience Facility (RRF)**
- Increase of and more flexibility for the family allowance / New allowances: long-term leave and special needs

MSCA structure in Horizon Europe

Doctoral Networks

Doctoral programmes in and outside academia incl. joint & industrial doctorates

Postdoctoral Fellowships

Support to excellent postdoctoral researchers

Staff Exchanges

Support for research and innovation staff exchanges

COFUND

Co-funding doctoral and postdoctoral programmes

MSCA and Citizens

Public outreach events (Night)

MSCA and non-academic sector in H2020: key figures (2014-2020)

+8,900

joint public-private peer-reviewed publications

+4,500

Private organisations supported (+2000 SMEs)

High satisfaction of training on transferable skills

+800 patent applications (FP7 & H2020)

Why non-academic participation in MSCA-policy context

- **European Research Area:**

- building a common scientific and technological area for the EU
- Creating a single market for research and innovation fostering free movement of researchers, scientific knowledge and innovation,
- encouraging a more competitive European industry

- **Commission's plan for a new ERA**

- enhance cooperation among universities, business and other research and innovation actors

- **HE Strategic Plan:**

- cooperation between universities, scientific communities and industry, including small and medium enterprises, and citizens

Academic and non-academic sector definitions

Academic sector

- ✓ public or private higher education establishments
- ✓ public or private non-profit research organisations
- ✓ International European Research Organisations



Non-academic sector

- ✓ any socio-economic actor not included in the academic sector

Academic-non academic collaboration in MSCA

- All main actions:
 - Encourage **inter-sectoral exposure** through incentives, inter-sectoral **secondments** worldwide.
 - Expected impact: **transferable skills** and competences (e.g. innovation, entrepreneurship) leading to improved **employability** and career prospects within and outside academia
 - **Award criteria:**
 - Excellence: inter-sectoral approaches (most), transferable skills (DN, COFUND)
 - Impact: career perspectives and employability
 - Priority order for ex-aequo proposals: participation of the non-academic sector (including involvement of SMEs)
- Doctoral Networks: **Industrial Doctorates**. 540 p.-m., 50% fellowship in non-academic sector, joint supervision
- Postdoctoral Fellowships: **placement in the non-academic sector** at the end of the project
- NCPs: Cooperation with [Enterprise Europe Network](#)

Staff Exchanges

- **Multi-beneficiary Action** to support collaborative R&I activities through staff exchanges.
- **Scope**
 - MSCA Staff Exchanges involve organisations from the academic and non-academic sectors (including SMEs) from across the globe.
 - Support is provided for international, inter-sectoral and interdisciplinary mobility of R&I staff leading to knowledge transfer between participating organisations.
- **Duration** : 4 years for project implementation/ max. 360 person-months per project / secondments from 1 to 12 months;
- **Target group**: any type of staff at any stage of career contributing to research activities (researchers, administrative & managerial staff, technicians, infrastructure operators,...)
- **Who applies**:
 - consortia of universities, research institutions and research infrastructures, **businesses including SMEs**, and other socio-economic actors

Staff Exchanges Example - SPEME

Questioning Traumatic Heritage: Spaces of Memory in Europe, Argentina, Colombia: develop a joint program of exchanges between academic researchers - working on memory, trauma and heritage - and non-academic professionals - working in the fields of memory museums and sites of memory - between Italy, The Netherlands, Argentina and Colombia.

The screenshot shows the Cordis project page for 'Questioning Traumatic Heritage: Spaces of Memory in Europe, Argentina, Colombia'. The project is under Horizon 2020. The objective is to develop a joint program of exchanges between academic researchers and non-academic professionals in the fields of memory, trauma, and heritage. The project aims to devise new forms of transmission of traumatic memories and to investigate how various traumatic pasts can be preserved and transmitted through space. The project will take as its specific object of investigation a various array of spaces of memory, such as museums, former detention camps and sites of commemoration. The international and intersectoral network developed by the project will make possible transfers of knowledge, both between difficult past heritages in different historical and geographical contexts (Europe and Latin America) and between academic researchers and museum curators. The project will increase competences and skills of both academic and non-academic partners, as well as facilitate the development of innovative and creative actions involving non-academic partners.

Project Information
SPEME
 Grant agreement ID: 778044
 Start date: 1 July 2018 | End date: 30 June 2022
 Funded under: HORIZON 2020
 Overall budget: € 553 500
 EU contribution: € 553 500
 Coordinated by: ALMA MATER STUDIORUM - UNIVERSITA DI BOLOGNA
 Italy

Coordinator	ALMA MATER STUDIORUM - UNIVERSITA DI BOLOGNA
Participants	FONDAZIONE RECUPERO E VALORIZZAZIONE DELLA MEMORIA STORICA DEL CAMPO DI FOSSOLI
PartnersMUSEO DE SITIO ESMA - EX CENTRO CLANDESTINO DE DETENCIÓN, TORTURA Y EXTERMINIO

More information in [Cordis](#)

MSCA COFUND

- **Mono-beneficiary action** to **co-fund** new or existing national, regional, institutional schemes – complementary funding
 - for **doctoral training and postdoctoral programmes**
- **Duration**
 - Programme: max. 60 months - Fellowship: min 3 months
- **Target groups**
 - **Doctoral candidates**, i.e. researchers without a doctoral degree at the deadline of the co-funded programme's call; mandatory enrolment in a doctoral programme
 - **Postdoctoral researchers**, i.e. researchers with a doctoral degree at the deadline of the co-funded programme's call
- **Who applies?**
 - Single legal entity established in an EU Member State or HE Associated country
- **Focus**
 - Spread **best practices** of the MSCA by promoting **high standards** in the recruitment process and **excellent working conditions**
 - Introduce **sustainable structuring effects**.

COFUND Example - E4F Energy For Future

Fellowship Programme - E4F aims at the next generation of low-carbon energy technologies and energy efficiency potential, being aligned with several SDGs, the Horizon Europe the EU Green Deal , and the EU Energy Roadmap 2050 targets

PARTNER ORGANIZATIONS

These are the **E4F Partner Organizations** committed to participate in the Program, with the Areas of Research of their interest.

ENERGY FOR FUTURE - E4F: PARTNER ORGANIZATIONS							
PARTNER	COUNTRY	LINES OF RESEARCH					
		PHE	WE	EnS	SmG	EV	
UNIVERSITIES: 12	Universidad Carlos III de Madrid	ES	×	×	×	×	×
	Universidad Politécnica de Madrid - UPM	ES	×	×	×	×	×
	Universidad Pontificia de Comillas - ICAI	ES	×	×	×	×	×
	Universidad del País Vasco	ES	×	×	×	×	×
	Universidad de Cantabria	ES	×	×	×	×	×
	Universidad de Salamanca	ES	×	×	×	×	×
	University of Strathclyde	GB	×	×	×	×	×
	Imperial College of London	GB	×	×	×	×	×
	MIT - Massachusetts Institute of Technology	US	×	×	×	×	×
	RIT - Rochester Institute of Technology	US	×	×	×	×	×
	Universidad Nacional Autónoma de México	MX	×	×	×	×	×
	Universite de Bordeaux	FR	×	×	×	×	×
RESEARCH CENTERS: 3	IMDEA Energia	ES	×	×	×	×	×
	Polymat - Basque center for Macromolecular Design and Engineering	ES	×	×	×	×	×
	Fraunhofer Institute for Solar Energy Systems ISE	DE	×	×	×	×	×
INDUSTRY: 4	Iberdrola España S.A.U.	ES	×	×	×	×	×
	Scottish Power	GB	×	×	×	×	×
	Avangrid Inc.	US	×	×	×	×	×
	Iberdrola México	MX	×	×	×	×	×

Call Calendar

Year	Action	Opening	Deadline
2021	Doctoral Networks	Open	16 November 2021
	Postdoctoral Fellowships	Open	12 October 2021
	Staff Exchanges	7 October 2021	9 March 2022
	COFUND	12 October 2021	10 February 2022
	MSCA and Citizens (covers 2 editions)	Open	7 October 2021
2022	Doctoral Networks	3 May 2022	15 November 2022
	Postdoctoral Fellowships	13 April 2022	14 September 2022
	Staff Exchanges	6 October 2022	8 March 2023
	COFUND	11 October 2022	9 February 2023
	MSCA and Citizens	No call foreseen in 2022	

Ευχαριστώ

Links

Marie Skłodowska-Curie Actions Website

https://ec.europa.eu/research/mariecurieactions/node_en

MSCA Pocket Guide

<https://op.europa.eu/en/publication-detail/-/publication/758a6af6-82ad-11ea-bf12-01aa75ed71a1>

Funding and Tenders Portal (applications, documents, partner search)

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/programmes/h2020>

Information on Participating Countries in Horizon Europe

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/common/guidance/list-3rd-country-participation_horizon-euratom_en.pdf

Euraxess (PhD and postdoctoral vacancies, more information)

<https://euraxess.ec.europa.eu/>

European Charter and Code for Researchers

<https://euraxess.ec.europa.eu/euraxess/charter-code-researchers>

MCAA (Marie Curie Alumni association)

<https://www.mariecuriealumni.eu>

National Contact Points

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/support/ncp>

Enterprise Europe Network

<https://een.ec.europa.eu/>

Research Enquiry Service

https://ec.europa.eu/info/research-and-innovation/contact/research-enquiry-service_en