

The logo features the word "NORDP" in large, white, sans-serif capital letters. The letter "O" is replaced by a stylized globe with a network of lines and dots. To the right of the word, the year "2021" is displayed in white inside a white rounded rectangle. The background is dark blue with a network of glowing lines and dots.

# NORDP

2021

Horizon Europe:  
Opportunities for Transatlantic Partnerships and Careers

# Welcome



## **Dr. Edel Minogue**

*Associate Director of Research Development,  
Brown University, Providence, RI*

*NORDP Liaison to the European Commission  
NORDP Northeast Regional Chair*



**BROWN**  
UNIVERSITY



**Dr. Mary Kavanagh**

Minister-Counselor  
Research & Innovation

Delegation of the European Union to the USA



**Dr. Martin Penny**

Unit Head  
European Research Council  
Executive Agency



Information about  
the thing can go  
here



**Jackson Howard**

Regional Coordinator  
EURAXESS North America

# Horizon Europe

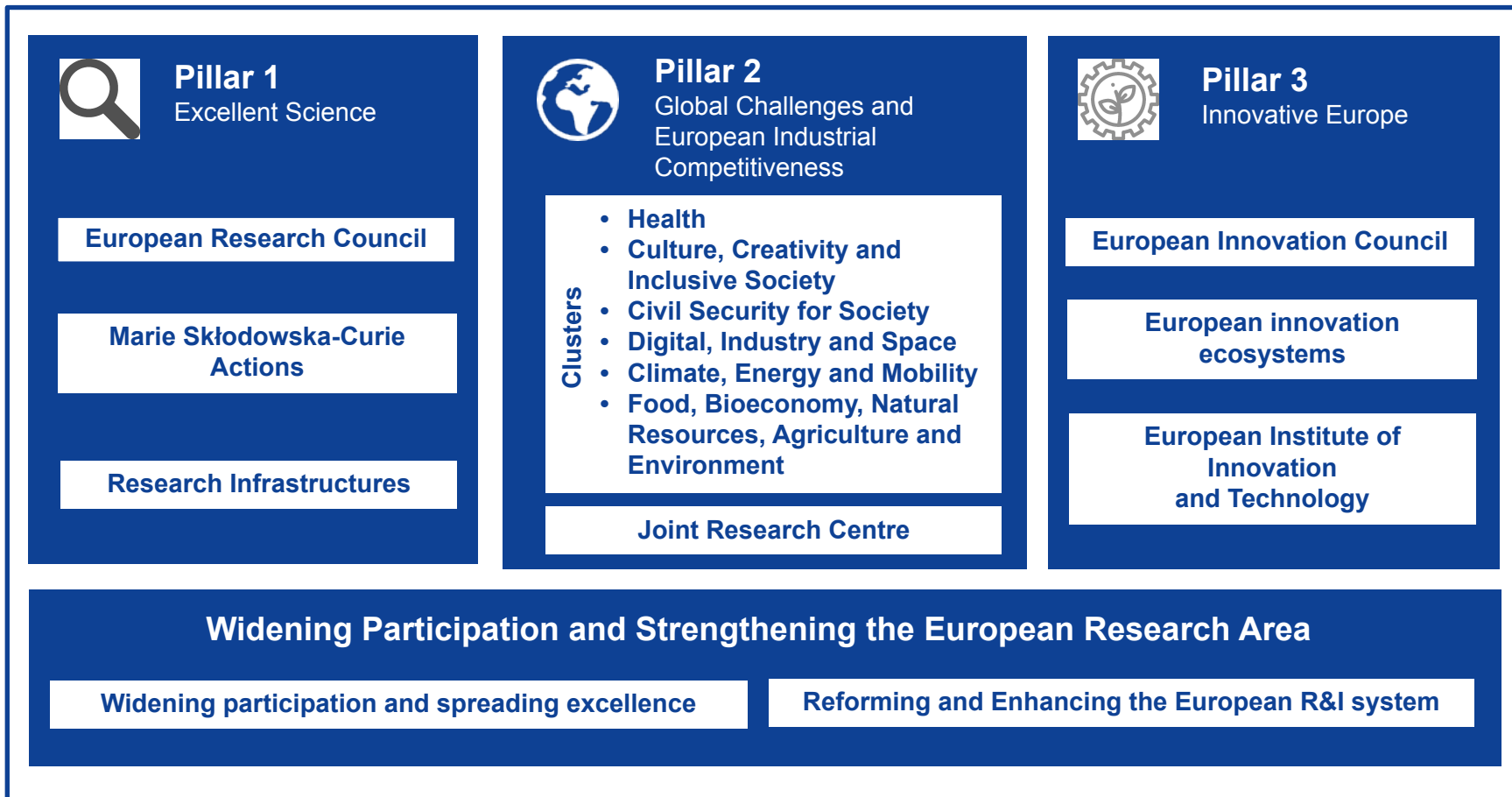
**Dr. Mary Kavanagh**

*Minister-Counselor*

Research & Innovation  
Delegation of the European Union  
to the USA



# Horizon Europe: Preliminary structure





# European Research Council



**Dr. Martin Penny**

*Unit Head*

European Research Council  
Executive Agency



# EUROPEAN RESEARCH COUNCIL



erc

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Horizon 2020  
European Union funding  
for Research & Innovation

Dr Martin Penny  
Head of Unit, Call & Project Follow-Up, ERCEA



**ANY FIELD  
OF RESEARCH  
PORTABLE**

**INDIVIDUAL RESEARCHERS FROM  
ALL OVER THE WORLD**

**LONG TERM  
GRANTS**

**HIGH-RISK/HIGH-GAIN**



## The ERC Scientific Council

- **21 prominent researchers** proposed by an independent identification committee
- **President** appointed by the Commission following recommendation of an independent committee
- **Establishes overall scientific strategy**
- **Controls quality of operations and management**
- **Ensures communication with the scientific community**

## The ERC Executive Agency

- Executes annual work programme
- Implements calls for proposals
- Organises peer review evaluation
- Establishes and manages grant agreements
- Administers scientific and financial aspects
- Carries out communications activities



European Research Council

Established by the European Commission



# Governance by the Scientific Council



European  
Commission

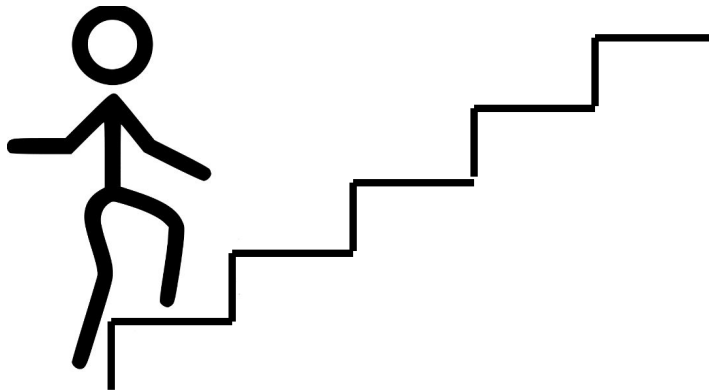
Horizon 2020  
European Union funding  
for Research & Innovation

# ERC Funding Schemes: StG



European Research Council  
Established by the European Commission

starting



50%

2-7 years



50%

1.5 M



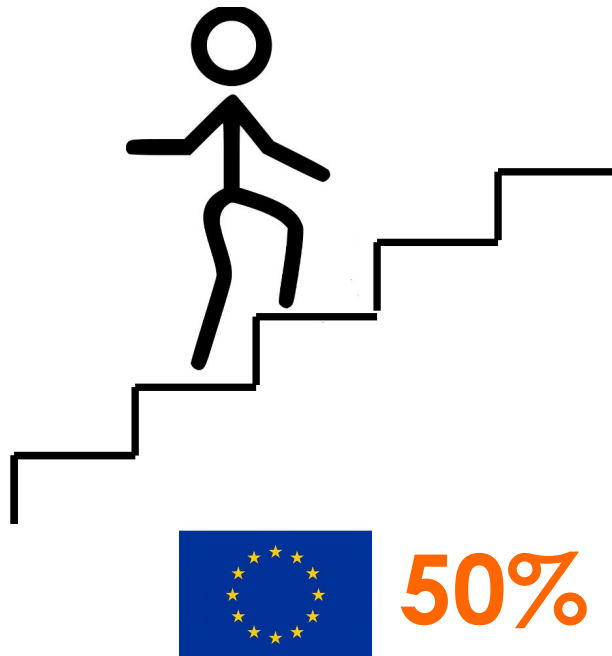
5 years

# ERC Funding Schemes: CoG



European Research Council  
Established by the European Commission

Consolidator



7-12 years



40%

2.0 M



5 years



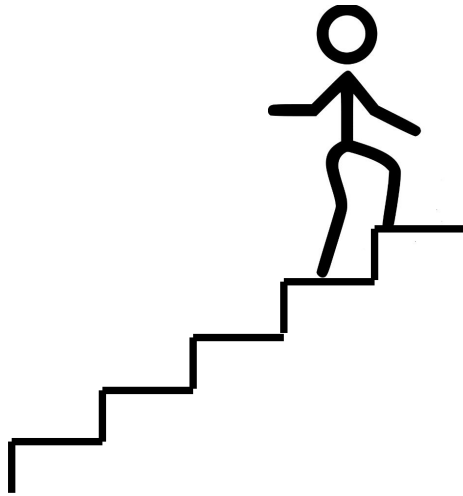
# ERC Funding Schemes: AdG



European Research Council  
Established by the European Commission

## Significant research achievements (last 10 years)

Advanced



30%

2.5 M



5 years



50%

# ERC Funding Schemes: SyG



European Research Council  
Established by the European Commission

# Synergy

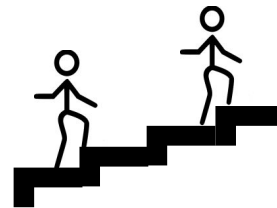


2, 3 or 4 PIs

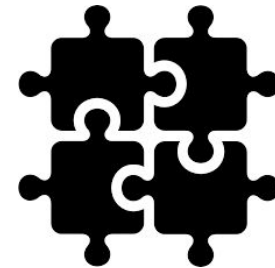


10M

Incl. for 1 non-EU PI



6 years



30%

# How ERC research proposals are evaluated

*Excellence* is the sole evaluation criterion

- **Excellence of the Research Project**
  - Ground breaking nature
  - Potential impact
  - Scientific Approach
  
- **Excellence of the Principal Investigator**
  - Intellectual capacity
  - Creativity
  - Commitment

# So when can I apply?



European Research Council

Established by the European Commission

Call	Planned Deadlines
Starting (StG)	13 January 2022
Consolidator (CoG)	17 March 2022
Advanced (AdG)	31 August 2021
Synergy (SyG)	10 November 2021



# Help available



European Research Council  
Established by the European Commission

## Info for applicants and work programme

## ERC Classes on YouTube



*(European Commission Decision C(2018) 4994 of 2 July 2018)*

## ERC Work Programme 2020



European Research Council  
Established by the European Commission

## ERC website



## Grantees experiences



European  
Commission

Horizon 2020  
European Union funding  
for Research & Innovation

# Panel Structure



Each panel:  
Panel Chair and 12-16 Panel Members

## Life Sciences

- **LS1** Molecules of Life: Biological Mechanisms, Structures and Functions
- **LS2** Integrative Biology: from Genes and Genomes to Systems
- **LS3** Cellular, Developmental and Regenerative Biology
- **LS4** Physiology in Health, Disease and Ageing
- **LS5** Neuroscience and Disorders of the Nervous System
- **LS6** Immunity, Infection and Immunotherapy
- **LS7** Prevention, Diagnosis and Treatment of Human Diseases
- **LS8** Environmental Biology, Ecology and Evolution
- **LS9** Biotechnology and Biosystems Engineering

## Social Sciences and Humanities

- **SH1** Individuals, Markets and Organisations
- **SH2** Institutions, Governance and Legal Systems
- **SH3** The Social World and its Diversity
- **SH4** The Human Mind and Its Complexity
- **SH5** Cultures and Cultural Production
- **SH6** The Study of the Human Past
- **SH7** Human Mobility, Environment, and Space

## Physical Sciences & Engineering

- **PE1** Mathematics
- **PE2** Fundamental Constituents of Matter
- **PE3** Condensed Matter Physics
- **PE4** Physical & Analytical Chemical Sciences
- **PE5** Synthetic Chemistry and Materials
- **PE6** Computer Science and Informatics
- **PE7** Systems and Communication Engineering
- **PE8** Products and Processes Engineering
- **PE9** Universe Sciences
- **PE10** Earth System Science
- **PE11** Materials Engineering

# Marie Skłodowska-Curie Actions



**Dr. Claire Morel**

*Director -General for Education, Youth,  
Sport and Culture*

European Commission

Unit C2. Marie Skłodowska-Curie Actions



MARIE CURIE ACTION

# What are the Marie Skłodowska-Curie Actions

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- **EU's reference programme for doctoral and postdoctoral training**, contributing to:
  - A highly skilled research-based human capital able to detect and tackle upcoming challenges, communicate scientific evidence to policy-makers and the public, and work across disciplines
  - Provide researchers with skills needed in the labour market, to innovate and to convert knowledge and ideas into products and services for economic and social benefit
  - Develop excellent doctoral programmes enhancing the global attractiveness and visibility of institutions involved in them
  - Promote the EU's global attractiveness for talents
- Budget under Horizon Europe: **6.6€ billion**



## Key features

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



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



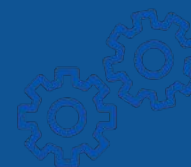
**International,  
cross-sectoral &  
interdisciplinary  
mobility**



**Attractive working  
and employment  
conditions**



**Structuring impact  
on organisations  
through excellent  
programmes**



**Strong  
collaboration with  
industry and SMEs**



European  
Commission

- **739 US researchers** funded (going mostly to the UK, The Netherlands, Germany, Italy and France)
- **50%** are women
- **2262 researchers from other nationalities** going to the US (mainly from Italy, Spain, Germany, the UK and France)
- **320 organisations** taking part in **1069 projects** including 187 Staff Exchanges projects, 119 Doctoral Networks, 746 Postdoctoral Fellowships and 17 COFUND
- **Main scientific fields:** Social Sciences and Humanities, Life Sciences, Engineering, Environmental Sciences and Physics

### 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)*



- Institutions
- US institutions (universities, research centres, enterprises etc) can join doctoral networks consortia to host researchers during secondments - or even to recruit researchers if participation is considered essential
- Students wanting to do a PhD
- Students can apply to selected MSCA doctorates on Euraxess, directly to host institutions (3-36m) to work on personalized projects
- Funding for living, mobility, family allowance (and possibly long-term leave and special needs allowance)

- Institutions
  - US institutions (universities, research centres, enterprises etc) can host MSCA « global fellows » during their outgoing phase (max 2 years) and receive funding for research and management costs, or during secondments (shorter) of any postdoc fellows
- Experienced researchers
  - US researchers with a PhD can apply for a fellowship through an organisation based in Europe
  - Funding for living, mobility, family allowance (and possibly long-term leave and special needs allowances)



- Institutions

US institutions (universities, research centres, enterprises...) can join international R&I teams without funding, send and host researchers

- Students wanting to do a PhD
  - Students can apply to selected COFUND doctoral programmes on Euraxess, directly to host institutions to work on personalized projects
  - They receive funding for living, mobility, family allowance (and possibly long-term leave and special needs allowance)
- For experienced researchers
  - US researchers with a PhD can apply to selected COFUND postdoctoral programmes on Euraxess, directly to host institutions based in Europe
  - They receive funding for living, mobility, family allowance (and possibly long-term leave and special needs allowances)

## Award Criteria

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Excellence	Impact	Quality and efficiency of the Implementation
50%	30%	20%
Weighting		

Each criterion is scored out of 5

## Examples of MSCA funding

MSCA Programme	Researcher Unit Cost (Euro per person month)			Institutional Unit Cost	
	Living Allowance	Mobility Allowance	Family Allowance	Research, Training and Networking	Management and Indirect Costs
Doctoral Networks	3400	600	660	1600	1200
Postdoctoral Fellowships	5080*	600	660	1000	650
*Gross amounts, subject to country correction coefficient, e.g. DE (97.0%), DK (135.0%), ES (95.4%), EL (88.7%), FR (115.7%), IE (115.6%), IT (104.4%), NL (107.9%), PL (75.5%), RO (68.8%)					

## Call calendar

Year	Action	Estimated opening*	Estimated deadline*
2021	Doctoral Networks	27 May 2021	16 November 2021
	Postdoctoral Fellowships	27 May 2021	15 September 2021
	Staff Exchanges	7 October 2021	9 March 2022
	COFUND	12 October 2021	10 February 2022
	MSCA and Citizens (covers 2 editions)	17 June 2021	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	

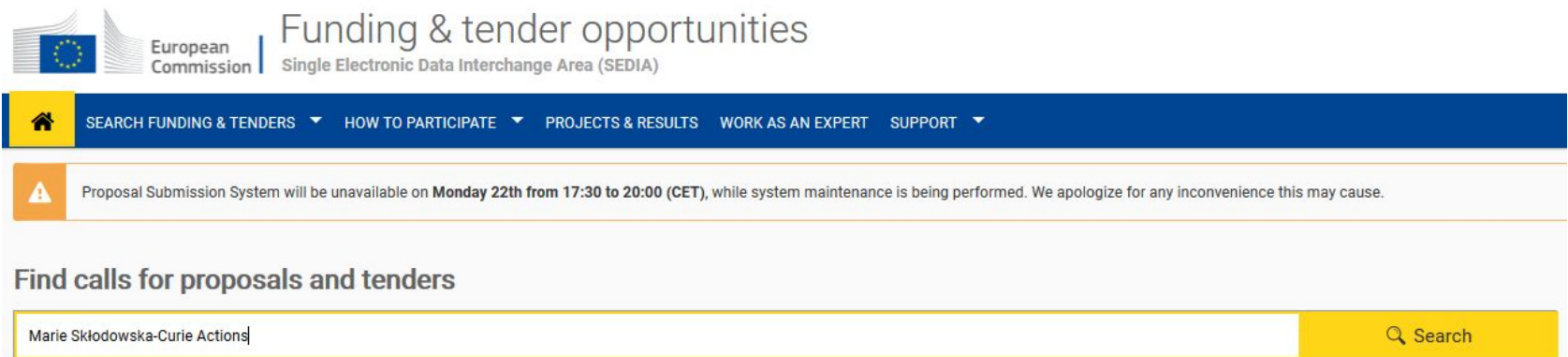
*\*Dates to be confirmed with the adoption of the Work Programme*



## Funding opportunities for institutions

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- All calls are published on the **Funding and Tender Opportunities Portal**
- Applications are submitted through the portal:
  - Find your call
  - Sign in to the portal and register your organisation (get a PIC number)
  - Find partners
  - Apply



European Commission | Funding & tender opportunities  
Single Electronic Data Interchange Area (SEDIA)

SEARCH FUNDING & TENDERS ▾ HOW TO PARTICIPATE ▾ PROJECTS & RESULTS WORK AS AN EXPERT SUPPORT ▾

**⚠** Proposal Submission System will be unavailable on **Monday 22th from 17:30 to 20:00 (CET)**, while system maintenance is being performed. We apologize for any inconvenience this may cause.

**Find calls for proposals and tenders**

Marie Skłodowska-Curie Actions 🔍 Search



- Look for PhD and postdoctorate opportunities on **EURAXESS / Job portals**
- **<https://euraxess.ec.europa.eu/>**



- Ask for advice to your **MSCA National Contact Point**



- Check the **project's requirements** and **apply to your institution** of interest

## Links

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

[https://ec.europa.eu/research/mariecurieactions/node\\_en](https://ec.europa.eu/research/mariecurieactions/node_en)

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

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

### **Euraxess (PhD and postdoctoral vacancies, more information)**

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

### **National Contact Points**

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

### **Research Inquiry Service**

[https://ec.europa.eu/info/research-and-innovation/contact/research-enquiry-service-and-participant-validation\\_en](https://ec.europa.eu/info/research-and-innovation/contact/research-enquiry-service-and-participant-validation_en)

### **European Charter and Code for Researchers**

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

### **MCAA (Marie Curie Alumni association)**

<https://www.mariecuriealumni.eu>

### **Become an Expert**

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/work-as-an-expert>

**Contact:** [EAC-UNITE-C2@ec.europa.eu](mailto:EAC-UNITE-C2@ec.europa.eu)

# Additional information on:

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- MSCA doctoral networks
- MSCA postdoctoral fellowships
- MSCA staff exchanges
- MSCA COFUND

- **COBEN** (Staff Exchanges project)
  - Arizona's Board of Regents cooperates with universities in Czechia and Hungary in the field of clinical neurosciences
  - A number of cutting-edge neuroscience methods have tremendous potential to help patients suffering from disorders of the nervous system. This project is working to facilitate collaborative research, with the aim of better understanding cognitive impairments and improving patient outcomes.
- **DIS2** (Postdoctoral Fellowship project)
  - American researcher moved to Oslo Metropolitan University for her project in the field of pandemic preparedness policies
  - As the current COVID-19 pandemic shows, people with disabilities are at increased risk for complications and death as they are often neglected in epidemic responses. Dr Dimka is exploring disability as a risk factor in pandemics and promoting more equitable public health plans and interventions.



- Set up **doctoral programmes**, with incentives for industrial and joint doctorates
- Implemented by **partnerships** of universities, research organisations, businesses and other socio-economic actors from the EU and beyond
- Goal: raise the **attractiveness and excellence of doctoral training**
- Duration: 48 months (fellows from 3 to 36 months)
- Target group: **doctoral candidates**
  - Up to 360 person months, including secondments + 180 for industrial and joint doctorates
  - Training in transferable skills
  - Enhanced career perspectives, innovation-oriented mind-set
  - Vacancy notices widely advertised, including on EURAXESS
- Who applies: consortia of at least 3 legal entities
- Evaluation criteria: excellence, impact, quality and efficiency of implementation

- Support to postdoctoral research and careers
- Target group: postdoctoral researchers from all over the world
  - New mind-sets, approaches to research and innovation and skills through interdisciplinary, inter-sectoral and international experience
  - Develop skills in and outside academia
- Two destinations:
  - **European Fellowships in Europe (12 to 24 months)**
  - **Global Fellowships** (12 to 24 months outside Europe + 12 months return in Europe)
  - Secondments worldwide possible
- 8 years in research to apply- with incentives to restart research careers, and for returning to Europe
- Who applies: hosting institution (with postdoc researcher)
- Evaluation criteria: excellence, impact, quality and efficiency of implementation

- Collaborative R&I projects to exchange staff in Europe and beyond
- International, intersectoral, interdisciplinary secondments
- Implemented by partnerships of universities, research organisations, businesses etc
- Target group: research, technical, administrative and managerial staff
  - Share knowledge and ideas at all stages of the innovation chain
  - Turn ideas into innovative products, services or processes
  - Interdisciplinary secondments in the same sector now possible
- Duration: 48 months- max 360 person-months
- Who applies: consortia of at least 3 legal entities
- Evaluation criteria: excellence, impact, quality and efficiency of implementation

- Support to new or existing doctoral programmes and postdoctoral fellowship schemes at national, regional or international level
- Spread the best practices of the MSCA and excellent working conditions
- Target groups: doctoral candidates and postdoctoral researchers
  - International mobility, interdisciplinary and inter-sectoral experience
- Duration: max 60 months
- Who applies: a single legal entity

Follow us

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[ec.europa.eu/research/  
mariecurieactions/](https://ec.europa.eu/research/mariecurieactions/)  
**MSCA Website**



**Marie.Curie.Actions**  
**Facebook**



**@MSCActions**  
**Twitter**



# EURAXESS: Researchers in Motion



**Jackson Howard**  
*Regional Coordinator*

EURAXESS North America



<http://NorthAmerica.euraxess.org/>

## *EURAXESS: RESEARCHERS IN MOTION*

*Providing access to a complete range of information and support services to **researchers wishing to pursue their research careers in Europe or stay connected to it;***



- Promoting **research careers** and facilitating the mobility of researchers across Europe;
- **The European Union & over 40 countries in Europe & 8 global hubs are working together to assist researchers and research organizations;**
- All services of EURAXESS are **free of charge!**



## ***Jobs & Funding***



## ***Partnering Tool & Hosting***



## ***Career Development***



## ***Information & Assistance*** *EURAXESS Service Centers*



## ***EURAXESS Worldwide*** *(ASEAN, Australia & New Zealand, China, India, Japan, Korea, Latin America & the Caribbean, & North America)*

## INFORMATION & ASSISTANCE

### EURAXESS SERVICE CENTERS – 42 national portals

Information on **18 different topics** ranging from accommodation to banking and social security, topics divided into **3 categories**: living in Europe, working in Europe, leaving Europe

1. Access to the culture of the host country/language courses
2. Accommodation
3. Banking
4. Career Development
5. Day care, schooling, and family-related issues
6. Departure conditions
7. Entry conditions/visas
8. Health insurance and medical care
9. Intellectual Property Rights (IPR)
10. Job opportunities
11. Medical care
12. Pension rights
13. Recognition of diplomas
14. Research landscape
15. Research funding opportunities
16. Taxation/Salaries
17. Unemployment
18. Work permit

## EURAXESS North America: WHAT we do and HOW



*Linking researchers in North America to Europe*



*Information on European funding opportunities*



*Research career development*

# Contact Us

Jackson Howard

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Regional Coordinator

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EURAXESS North America



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Join our North America [Community](#)



EURAXESS North America

# Horizon Europe

## Panel Discussion

**Moderator: Edel Minogue, Brown University**

**followed by**

**Questions & Answers**





**Thank you!**

