Europe-Asia Projects Building

EURALIMMS Summer School

Porquerolles, June, 20th, 2025

Partnership and Technology Transfer Department — Paris-Normandie CNRS

Service Partenariat et Valorisation — Paris-Normandie CNRS

→ 23/06/2025

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1 - Introduction

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Who we are?

Partnership and Technology Transfer Department
Paris-Normandie Delegation

dr16.spv@cnrs.fr

European Grants and Contracts

dr16.cellule.contrats@cnrs.fr

Industrial and Public Partnerships
(non-European Grants)

dr16-partenariat-valorisation@cnrs.fr

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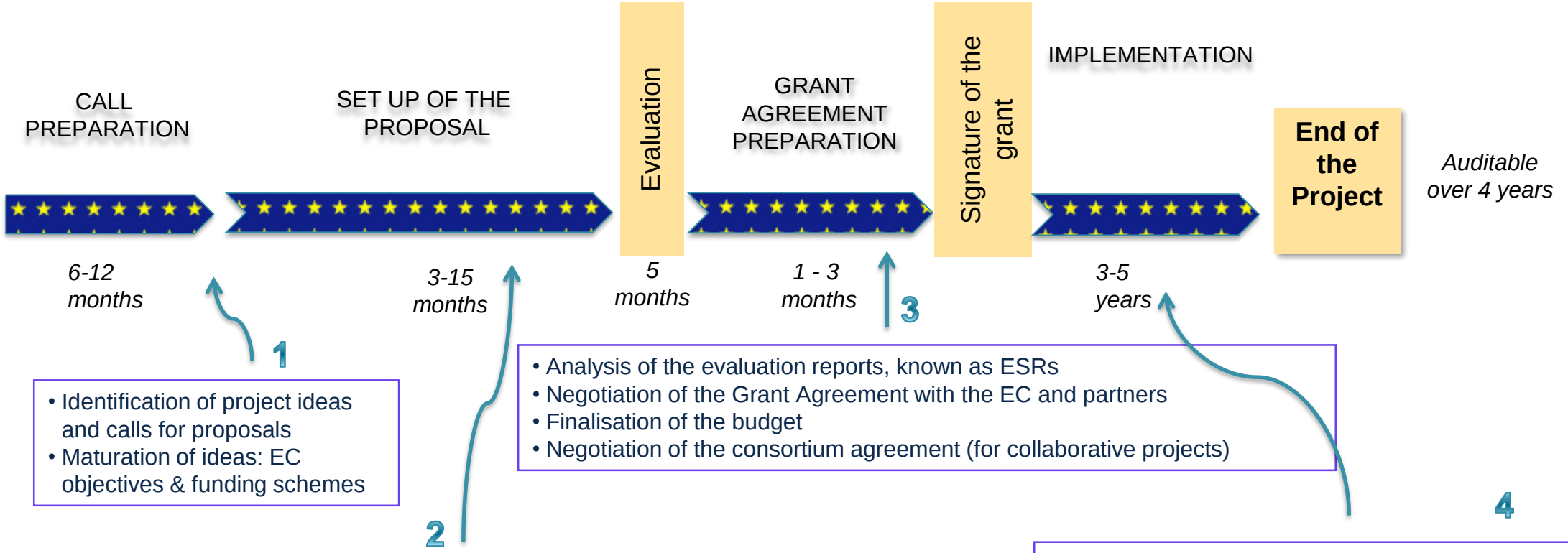
The Role of the European Division



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What is Horizon Europe (HE)?

European Research and Innovation Programme

7 years

Calls are open from 2021 until 2027

95,5 € billion budget

+30 % compared to the previous programme

Project costs are 100% funded

Open and Competitive calls for proposals

One of the most ambitious RI programme in the world

General architecture of Horizon Europe (HE)

No specific themes (blank calls)

Collaborative projects (specific themes)

Collaborative projects on new technologies (specific themes and blank calls)

Pillar 1 Excellence Science	Pillar 2 Global Challenges and European Industrial competitiveness	Pillar 3 Innovative Europe
European Research Council Grants (ERC)	1. Health 2. Culture, Creativity and Inclusive Society 3. Civil Security for Society 4. Digital, Industry and Space 5. Climate, Energy and Mobility 6. Food, Bioeconomy, Natural Resources, Agriculture and Environment	European Innovation Council
Marie-Skłodowska Curie Actions (MSCA)		

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2-Opportunities for Early Career Researchers

→ 23/06/2025

Pillar 1: Excellence Science

→ supporting the best science and the best scientists without privileging one field over another.

Marie Skłodowska-Curie Actions (MSCA)

Providing researchers with new knowledge and skills through mobility and training

For PhD and Post Doc:

- Doctoral Networks (DN)
- Postdoctoral Fellowship (PF)
- Staff Exchanges (SE)
- CO-FUND

European Research Council (ERC)

Exploratory research by top researchers and their teams

You can apply at least 2 years after your PhD Defense

- ERC-Starting

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2.1 Marie Skłodowska-Curie Actions (MSCA)

Marie Skłodowska-Curie Actions (MSCA)

Main Objectives:

- Promote researchers' careers through the acquisition of new knowledge and skills
- Through researcher mobility between countries, sectors, disciplines and training
- Facilitate synergies and network
- Bring research closer to the general public

Tous droits réservés 23/06/2025

Marie Skłodowska-Curie Actions (MSCA)

Main Characteristics

Open to all areas of research

Bottom-up

Training

Skills development & career development for researchers

Mobility

International
Cross-sectoral
Interdisciplinary

Attractiveness

Working conditions and recruitment

Structural impact

through programmes of excellence

Academic/non-academic collaboration

Mobility Rule: not have resided or carried out the main activity (work, studies, etc.) in the country of the future employer (host institution) for more than 12 months in the 3 years immediately before the recruitment date.

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Marie Skłodowska-Curie Actions (MSCA)

4 Actions :

1. • Doctoral Network
2. • Individual Post-Doctoral Fellowship (European or Global)
3. • MSCA Staff Exchange
4. • MSCA COFUND

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Marie Skłodowska-Curie Actions (MSCA)

Doctoral Training Network

Permanent Researchers/supervisors (**from at least 3 different and independent EU entities — or associated to Horizon Europe**) set up **joint research training and doctoral programmes**, through networking between **universities, research institutes, businesses and other socio-economic actors.**

Non-eligible countries (i.e. Japan, Singapore, Taïwan, Republic of Korea) can participate as Associated Partner (to host secondments only).

Objective : Develop transferable skills, particularly the potential for creativity, entrepreneurship and innovation among doctoral students, in order to open up career prospects for them in both academic and non-academic fields.

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Marie Skłodowska-Curie Actions (MSCA)

Doctoral Training Network - Main rules:

- **Duration** : 48 months max
- Max 15 PhD recruited from 3 to 36 months contract (no PhD degree at the time of the contract)
- The European universities where doctoral students are enrolled (and which award degrees) should be part of the consortium (as Associated Partners or Beneficiary if they recruit the PhD)
- **Rule of mobility : Recruited PhD may not have resided or carried out their main activity (work, studies, etc.) in the country of their (main) host organisation for more than 12 months in the 3 years immediately before their recruitment date.**

- 12 to 9 months to set-up this kind of project (+/- 20 partners)
- No re-submission for proposals scoring below 80% in the previous call
- **Deadline :** 25/11/2025

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Unit Costs in MSCA Doctoral Network (PhD)

Contributions for recruited researchers Per person-month					Institutional unit contributions Per person-month	
Living allowance	**Mobility allowance**	**Family allowance**** (if applicable)	**Long-term leave allowance** (if applicable)	**Special needs allowance** (if applicable)	**Research, training and networking contribution**	**Management and indirect contribution**
EUR 4010*	EUR 710	EUR 660	EUR 4720 x % covered by the beneficiary	Requested unit[1] x (1/number of months)	EUR 1600	EUR 1200

***Living Allowance corrected by a country correction coefficient** (CCC) - Here France
Figures are gross amount

Minimum total amount of the grant : 3 672 000€ (without family allowance, long-term leave nor special needs).
Maximum Institutional contribution : 1 512 000€ (Research Training and Network: 864 000€ + Management: 540 000€

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How to find an on-going Doctoral Network and job opportunity (PhD) ?

CORDIS - EU research results

1. Go to CORDIS (European Platform on EU funded Projects)
2. Click on « Projects and Results » >> See « all projects and results » at the very bottom of the page
3. Put Keywords in the search space

Important to :

→ check the **Start/End date of a funded project** (the older it is, the lower the probability is to find a job offer, but check).

→ Remember the **mobility rule** (not have resided nor exercised your main activity in the future employer's country for more than 12 months during the last 3 years (preceding the recruitment planned starting date)

Tous droits réservés 23/06/2025

How to find an on-going Doctoral Network and job opportunities (PhD) ?

CORDIS - EU research results

Keywords: ***MSCA DN Molecular technologies***

- PHYMOL: Physics, Accuracy and Machine Learning: Towards the next-generation of Molecular Potentials (End January 2027)

  Website of the last conference : https://phymol.github.io/
- MONALISA: MOtorized NAnomachines: fundamentaLs, InnovationS, Applications (Started Dec. 2027 / End : nov. 2028) / CNRS coord. / Institut Charles Sadron, Nicolas Giuseppone

Keywords: ***MSCA DN Quantum and Molecular Technologies***

- SIGSYNCELL: Engineering biological signaling pathways using synthetic cells (Started March 2024 / End : Feb. 2028)

Website : https://sigsyncell.crpp.cnrs.fr/ (CNRS coord. Lab CRPP and Univ. Bordeaux, Jean-Christophe Baret)

.. And many others!

Tous droits réservés 23/06/2025

How to find job opportunities with EU funds (PhD)? (1/2)

EURAXESS
Researchers in motion

Once identified on-going projects, you go to:

- ❑ EURAXESS (European Platform where the open call have to be published by the beneficiaries of European grants) and write the acronym of the project or the title or the keywords.

- ❑ Or directly on the project website if it exists

Tous droits réservés

How to find job opportunities with EU funds (PhD)? (2/2)

- MONALISA: 2 PhD positions in Marie Skłodowska-Curie Doctoral Network (DN) Monalisa - Artifical Molecular Machines (University of Groningen) https://www.rug.nl/about-ug/work-with-us/job-opportunities/?details=00347-02S000BBLP (deadline soon!)
- On SIGSYNCELL website: One job offer (Ruprecht-Karls-Universitaet Heidelberg, Germany) https://sigsyncell.crpp.cnrs.fr/offers

Keyword on EURAXESS: *Quantum and Molecular Technologies*

EURAXESS
Researchers in motion

- PhD Contract at Universidad Politecnica de Madrid (deadline oct. 12, 2025)
- PhD Position at CNRS (Grenoble, ANR funds — not EU) Project NanoG4V
- Pre-doctoral Researcher on Coherent Control of Molecular Spins on Superconducting Platforms (deadline July, 31, 2025)

Tous droits réservés 23/06/2025

Take home message

- **Convince** your supervisors in setting-up a Doctoral Network
- **Monitor** CORDIS and EURAXESS regularly and save the most interesting projects for you

(not only for Job offers but for **network** activities – participation to doctoral school, conference, etc. –, state-of-the-art, what is funded, how the objectives are explained, etc.)

- Keep in mind the **mobility rule** and the **calendar** (start-end date of projects)

To go further…

- **General overview** : https://www.horizon-europe.gouv.fr/sites/default/files/2022-06/doctoral-networks-2022---rea-pdf-6359.pdf
- **Quick Job Research Position in MSCA DN**
- **For supervisors only : MSCA DN Hand book :** https://msca-net.eu/scientific-community/doctoral-networks-dn/

The Marie Skłodowska-Curie Actions Matchmaking Platform Register here!

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MSCA Post Doctoral Fellowship

MSCA POSTDOCTORAL FELLOWSHIPS (PF)

MSCA PF

Individual Fellowship for Post Doc Researchers in any field of research

Objective: to stimulate the careers of postdoctoral researchers by enhancing your skills and creative potential through individual research projects in international mobility.

European Postdoctoral Fellowships

- → to an institution within an EU Member State or an Associated Country
- → Duration: 12 to 24 months

Global Postdoctoral Fellowships

- → to a Third Country
- → Duration: 24 to 36 months (including a compulsory return phase of 12 months in a Member State or Associated Country)

Tous droits réservés 23/06/2025

WHO CAN APPLY?

MSCA PF

- **Participating organisations***
  - Legal entity in an EU Member State or HE Associated country
- **Researchers** - target groups:
  - any nationality (Global Fellowships: nationals or long-term residents of MS or HE AC)*
  - new in possession of PhD at the call deadline
  - new up to 8 years research experience after PhD (with exceptions: career breaks, work outside research, research outside Europe for reintegrating researchers,…)
  - mobility rule: not resided / had main activity in the country of the beneficiary (or host organization for GF) more than 12 months in the 36 months before call deadline

Tous droits réservés 23/06/2025

FUNDING: UNIT COSTS

MSCA PF

MSCA Postdoctoral Fellowships	Contributions for the recruited researcher Per person-month					Institutional unit contributions Per person month	
	Living Allowance	Mobility Allowance	Family Allowance	*Long-term leave allowance (if applicable)*	*Special needs allowance (if applicable)*	Research, training and networking contribution	Management and indirect contribution
	€5,990*	€710	€660	*€6700 x % covered by beneficiary*	*Requested unit x (1/number of months)*	€1,000	€650

*__Living Allowance corrected by a country correction coefficient__ (CCC) - Here France
Figures are gross amount

Tous droits réservés 23/06/2025

Post Doctoral Fellowship: Indicative timeline

MSCA PF

- **10 September 2025:** Deadline for submitting proposals
- February 2026 (approx.): Notification of call results to applicants
- April 2026 (approx.): Grant agreement signature for successful projects
- April 2026 (or later): First EU-funded projects start

→ Probably the same calendar for 2026 (but to check) on EU website

https://research-and-innovation.ec.europa.eu/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/horizon-europe-work-programmes_en#pre-publication-of-work-programme-2025

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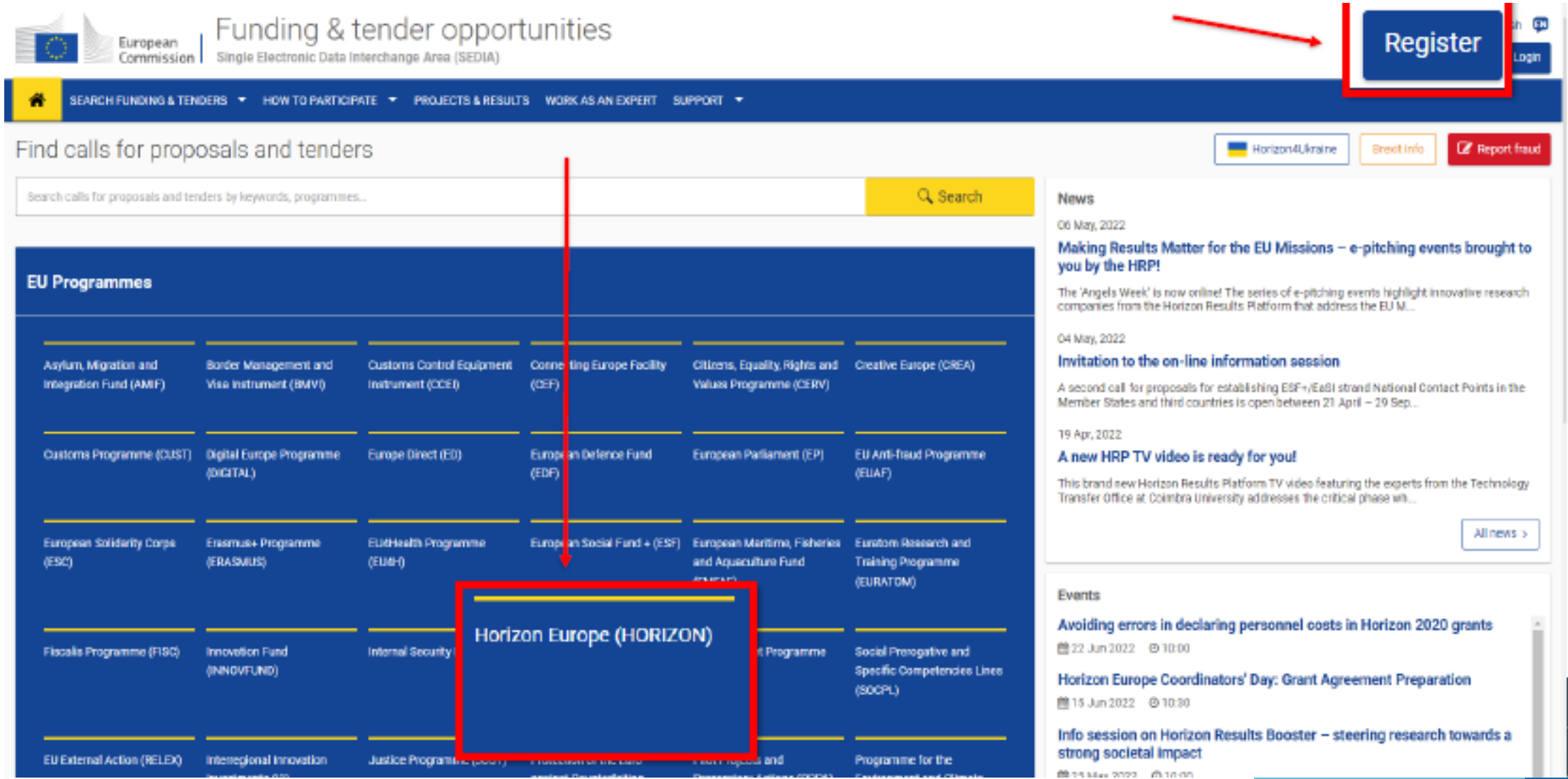
How to apply to MSCA Post Doctoral Fellowship (MSCA-PF)

HOW DO I START? (1/3)

MSCA PF

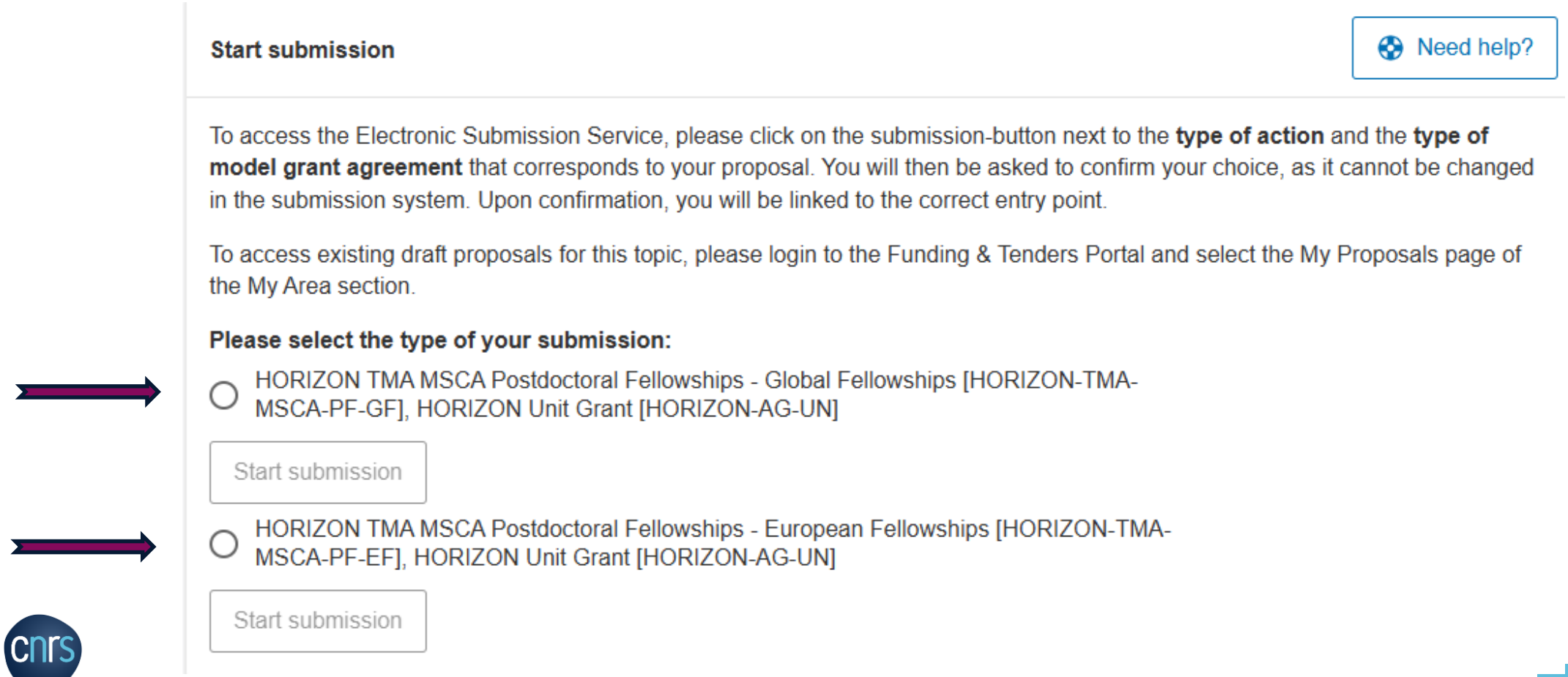
Create an account and Log-in on the Funding & Tenders Opportunities Portal



HOW DO I START? (2/3)

MSCA PF

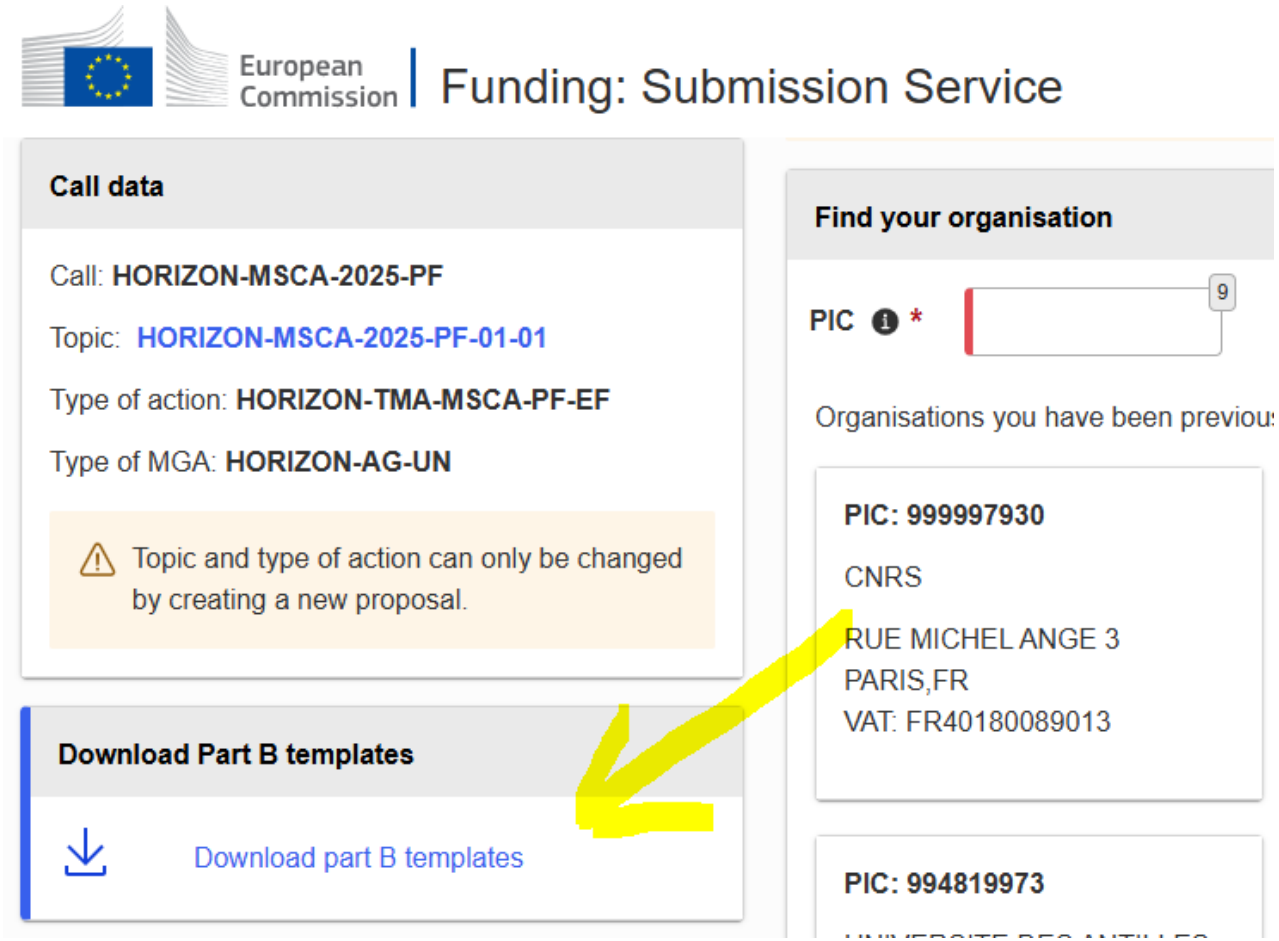
>> click on « Research Funding& Tenders » and write the code of the call HORIZON-MSCA-2025-PF and select (at the bottom of the page) one of the two types of PF (Global or European)



HOW DO I START? (3/3)

MSCA PF

>> Download the template for Part B : Zip file with B1 (10 pages), B2 (no page limit. It must comprise the CV of the researcher, and the capacity of the host institution).



You will need to contact the institution that will host you for **Part A** (Administrative part, to be filled online).

To see what it looks like: af_he-msca-pf_en.pdf

EVALUATION AND AWARDS CRITERIA FOR THE MSCA IF

MSCA PF

Excellence	Impact	Quality and efficiency of the implementation
Quality and pertinence of the project's research and innovation objectives (and the extent to which they are ambitious, and **go beyond the state of the art**)	Credibility of the **measures** to enhance the **career perspectives and employability** of the researcher and contribution to his/her **skills development**	Quality and effectiveness of the **work plan**, assessment of **risks** and appropriateness of the **effort assigned to work Packages**
Soundness of the proposed methodology (including **interdisciplinary** approaches, consideration of the **gender** dimension and other diversity aspects if relevant for the research project, and the quality of **open science practices**)	**Suitability and quality of the measures** to **maximise** expected **outcomes** and **impacts**, as set out in the **dissemination** and **exploitation** plan, including **communication activities**	Quality and capacity of the **host institutions** and **participating organisations**, including **hosting arrangements**
Quality of the **supervision**, **training** and of the two-way **transfer of knowledge** between the researcher and the host	The **magnitude** and **importance** of the project's contribution to the expected **scientific**, **societal** and **economic** impacts	
Quality and appropriateness of the researcher's professional experience, competences and skills		
50 %	**30 %**	**20 %**

TIPS AND LINKS

MSCA PF

- ❑ Postdoctoral Fellowships call: 6 steps to prepare your application - Marie Skłodowska-Curie Actions
- Get familiar with how funding works
- Make sure you can apply (eligibility of Host Instituion, mobility rule, etc.)
- Find a host organisation (laboratory) and supervisor (EURALIMMS is an asset)
- Start drafting your application and start collecting (contact with support service — i.e. European and international Office — of your Host institution).
- Check your application with the experts
- Send your application

- ❑ Other information from EU for 2025 call : here
- ❑ Draft tips on how to write a proposal: here.
- ❑ Consult the French website focused on Horizon Europe (specific page for MSCA): here.

Any question?

2.2. European Research Council Grants (Starting)

European Research Council Grants (ERC)

European Research Council
Established by the European Commission

5 year Project for one Principal Investigator in any field of research

Eligibility is related to the career stage of the Researcher. So you would apply to :

ERC Starting From 2 to 7-y after defense of PhD	**1.5 million €**	50 % of your time spent on the project
ERC Consolidator From 7 to 12-y after defense of PhD	**2 million €**	40 % of your time spent on the project
ERC Advanced From 12-y after PhD defense	**2.5 million €**	30 %of your time spent on the project

+ Requirement to spend at least 50% of the time in Europe or associated countries

The Host Institution (the employer) of the PI should be based in a European Member State. For IRL (as LIMMS) the PI should come back in France for 50% of the time.

European Research Council Grants (ERC)

European Research Council
Established by the European Commission

6-year project with at least 2 and up to 4 Principal Investigators whatever the career stage

One of the PI may come from a third country (including Japan, Republic of Korea, Taiwan, Singapore)

ERC Synergy → **up to 10 million €**

30% of the time on the project

+

Obligation to spend at least 50% of time in Europe or Associated Countries **(except for the PI from a third country in ERC SyG)**

- It funds a **ground-breaking project** that **could not be addressed by one individual PI. The scientific excellence** is the only selection criterion
- The PIs can come from the same Host Institution (and sometimes the same lab!)

European Research Council
Established by the European Commission

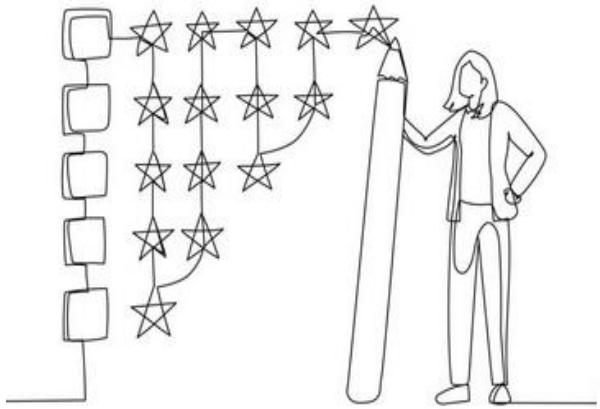
The Assessment Criteria

Excellence of the project

- an innovative project that goes beyond the state of the art
- an ambitious and risky project
- a project that will have a major impact on **research** and **scientific community** in Europe

Excellence of the PI(s)

- have a track record with strong potential
- demonstrate independence of research
- demonstrate ability to manage team researchers and the project



European Research Council
Established by the European Commission

Useful information

- Project Submission : on stage
- Documents to be submitted :

- Part A (Admin. Part) — together with admin. and support service
- Part B1 : doc of 5 pages (no references included, + 4 pages CV and track records) — 1st evaluation
- Part B2 : doc of 7 pages and 10 pages for Synergy Grants (no references included) — 2nd evaluation

- + Oral

→ To be submitted in the Funding and tenders opportunities Portal (contact your host institution to apply).
→ 12-months preparation

New! (WP 2025-2026)

European Research Council
Established by the European Commission

Useful information

Calendar:

- ERC Advanced : 28 of August 2025 (confirmed) — old format (B2 : 14 pages)
- ERC Consolidator Grant: January 2026— to be confirmed
- ERC Starting Grant: October 2026— to be confirmed
- ERC Synergy Grant: November 2026— to be confirmed

Useful link :

- About the change: https://erc.europa.eu/news-events/news/changes-2026-and-2027-work-programmes
- ERC main page: per each category (Starting, Consolidator, Advanced and Synergy) you can see what has been funded and in which domain (Physical Sciences and Engineering; Life Sciences; Social Sciences and Humanities) + Panel composition of the previous year + examples of funded project
- CORDIS (Keyword : ERC + Scientific keyword) = funded project (link to EURAXESS for early career researcher).

Any question?

2.3. Other funds opportunities in MSCA: STAFF EXCHANGE and COFUND

MSCA STAFF EXCHANGE

Success rate 36%

MSCA SE Research staff exchange

These projects are open to **all types of research and technical staff** involved in R&I (public and private sectors). It funds **international, intersectoral and interdisciplinary collaboration** through staff exchanges lasting from 1 to 12 months as part of a joint research project.

Participating organisations: at least three independent legal entities established in three different countries (EU Member States or countries associated with HE)

Only legal entities established in an EU Member State or associated with HE may be **beneficiaries**

Organisations from any country may participate (associated partner):

- **Third country eligible for Funds (low and middle income countries)**
- **Third countries not-eligible for funds (Japan, South Korea, Taïwan, Singapour)**

Sector: if all participating organisations belong to the same sector (academic or non-academic), at least one organisation from a non-Horizon Europe associated third country must be included.

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MSCA STAFF EXCHANGE

Success rate 36%

MSCA SE Research staff exchange

Secondments must be between different countries. Secondments beyond the duration of the project cannot be funded.

There should be a legal link between the seconded staff and the sending institution (i.e. enrollment in a PhD programme, research collaboration contract, etc.). The seconded staff should be engaged at least one month before in the research activity of the project.

Secondments between EU Member States or countries associated with HE must be **in different sectors, with the exception of interdisciplinary secondments (1/3 of the total secondments funded. You have scientific panels + descriptors available)**

EU contribution: maximum 360 months per project (max EU contribution : 1 803 600€)

Duration : 4 years

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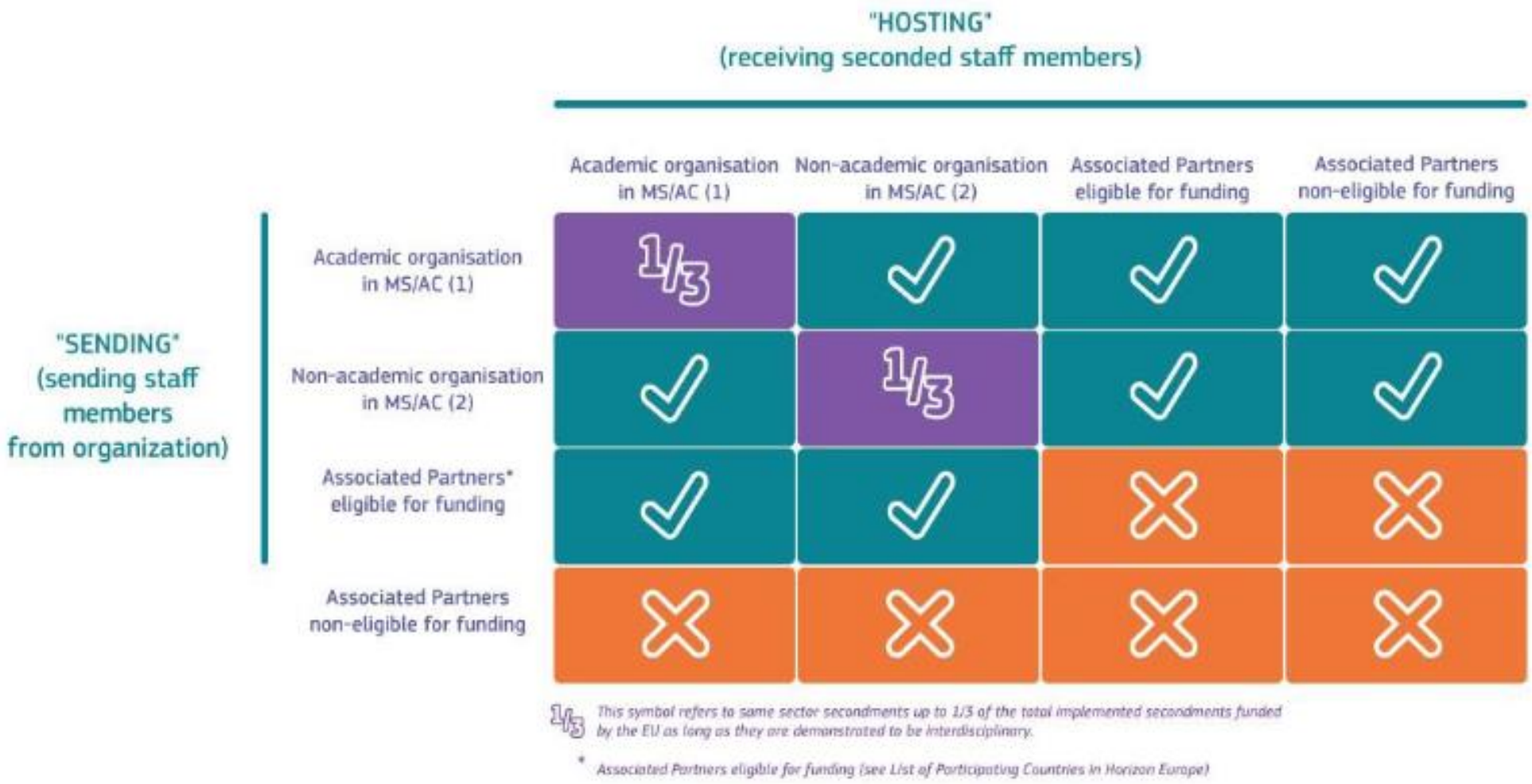
MSCA STAFF EXCHANGE — ELIGIBLE EXCHANGE

MSCA SE
Research staff exchange



MS = EU Member State

AC = Associated Countries to Horizon Europe (i.e. UK, but not Canada which is associated only to Pillar 2)

Associated Partners eligible for funding = Low and middle income countries

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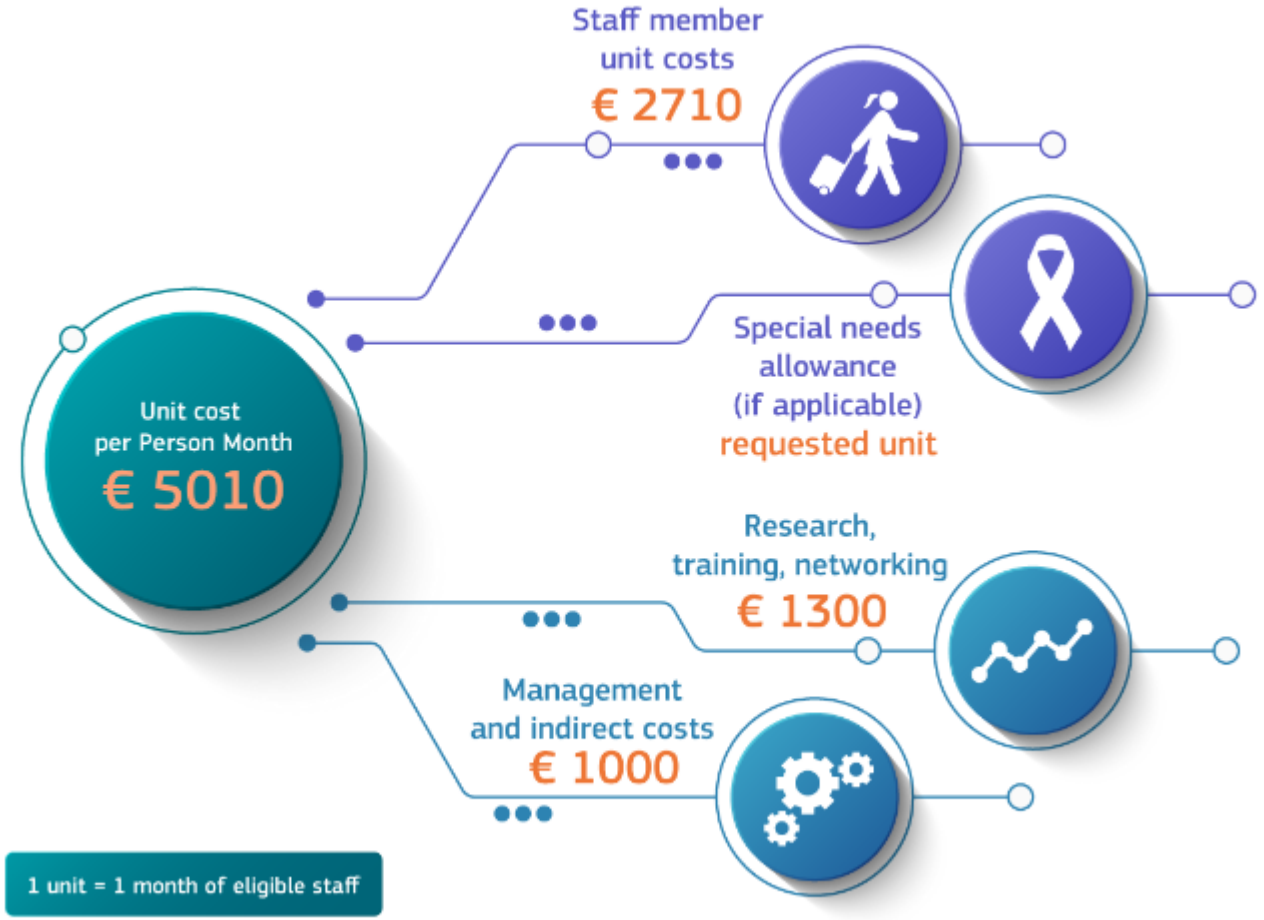
MSCA STAFF EXCHANGE — UNIT COSTS

MSCA SE Research staff exchange



Staff member costs are not a substitute of the salary. This amount (2710€) should be spent only for the seconded staff: flight, accommodation and subsistence). EU audit on that.

The other 2 categories may contribute to complete the travel if too expensive (but not the opposite)

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TO GO FURTHER...

MSCA SE Research staff exchange

- 9 to 12 months to prepare this type of grant (the mobility plan should be fixed, and principle agreement with the amounts requested by third countries should be clear).
- Hand Book to set-up a MSCA SE project : https://msca-net.eu/scientific-community/msca-staff-exchanges-se/
- MSCA SE resources (guide for applicant, evaluation, etc.): https://marie-sklodowska-curie-actions.ec.europa.eu/actions/staff-exchanges

- Next Deadline: 8 October 2025

Two calls per year (probably April 2026 and October 2026).

Example of funded project :
→ **Starwars**

Link to Third Countries eligible for Funds : https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/common/guidance/list-3rd-country-participation_horizon-euratom_en.pdf

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COFUND (DOCTORAL AND POST DOCTORAL)

MSCA COFUND
Co-funding of doctoral and post doctoral training and mobility programs

Co-funding of regional, national or international mobility and training programmes for doctoral students (COFUND Doctoral Programme) or postdoctoral students (COFUND Postdoctoral Programme).

Objective: Promote excellence in the training of researchers, dissemination of best practices of the Marie Curie Actions (European Charter for Researchers, Code of Conduct for the recruitment of researchers, etc.)

Maximum duration: 60 months (including the duration of the recruitment of researchers)

COFUND Doctoral Programme

COFUND Postdoctoral Programme

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WHO CAN APPLY?

MSCA COFUND

- **Single beneficiary:** established in an EU MS or a country associated to Horizon Europe. The beneficiary is responsible for the availability of complementary funds to implement the programme (coordinator) and the others, « **implementing partners** »;
- Each COFUND action must provide for the recruitment of a minimum of **3 researchers** (in principle **full time**)
- A beneficiary can receive 10 million per call.
- Candidates wishing to apply for PhD and Post Doctoral positions under COFUND should apply to funded COFUND projects by consulting their open vacancies advertised internationally, including on the EURAXESS portal. → Keyword: ***COFUND and another scientific key word***

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RESEARCHES RECRUTED

MSCA COFUND

- **Doctoral students** (no doctorate and enrolled in a doctoral programme) or **Post-doctoral students** (doctoral degree at the closing date of the call of the co-funded programme)
- **All nationalities**
- **Mobility rule:** not have resided / exercised your main activity in the beneficiary's or implementing partner's country for more than 12 months during the 36 months preceding the closure date of the co-funded programme call

*__Postdoctoral Programmes:__ if the project is implemented in a **Third country**:

- Post-doctoral fellows must be nationals or long-term residents of a MS or Associated Country
- if the project is implemented must return for 12 months to the beneficiary / implementing partner (where they can spend up to 3 months at the beginning of the action)
- Third countries must be established in an EU MS, the Overseas Countries and Territories (OCTs) linked to the Member States, HE Associated Country, or low- and middle-income third countries included in the list of countries eligible for funding

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TO GO FURTHER...

MSCA COFUND

- Hand Book to set-up a COFUND project : https://msca-net.eu/wp-content/uploads/2024/07/MSCA_COFUND2024_handbook.pdf
- MSCA COFUND resources (guide for applicant, evaluation, etc.) : https://msca-net.eu/scientific-community/msca-co-funding-programme-cofund/

- Calendar 2025 :

Deadline: 24 June 2025

Deadline : 3 December 2025 (opening: 1 Oct. 2025)

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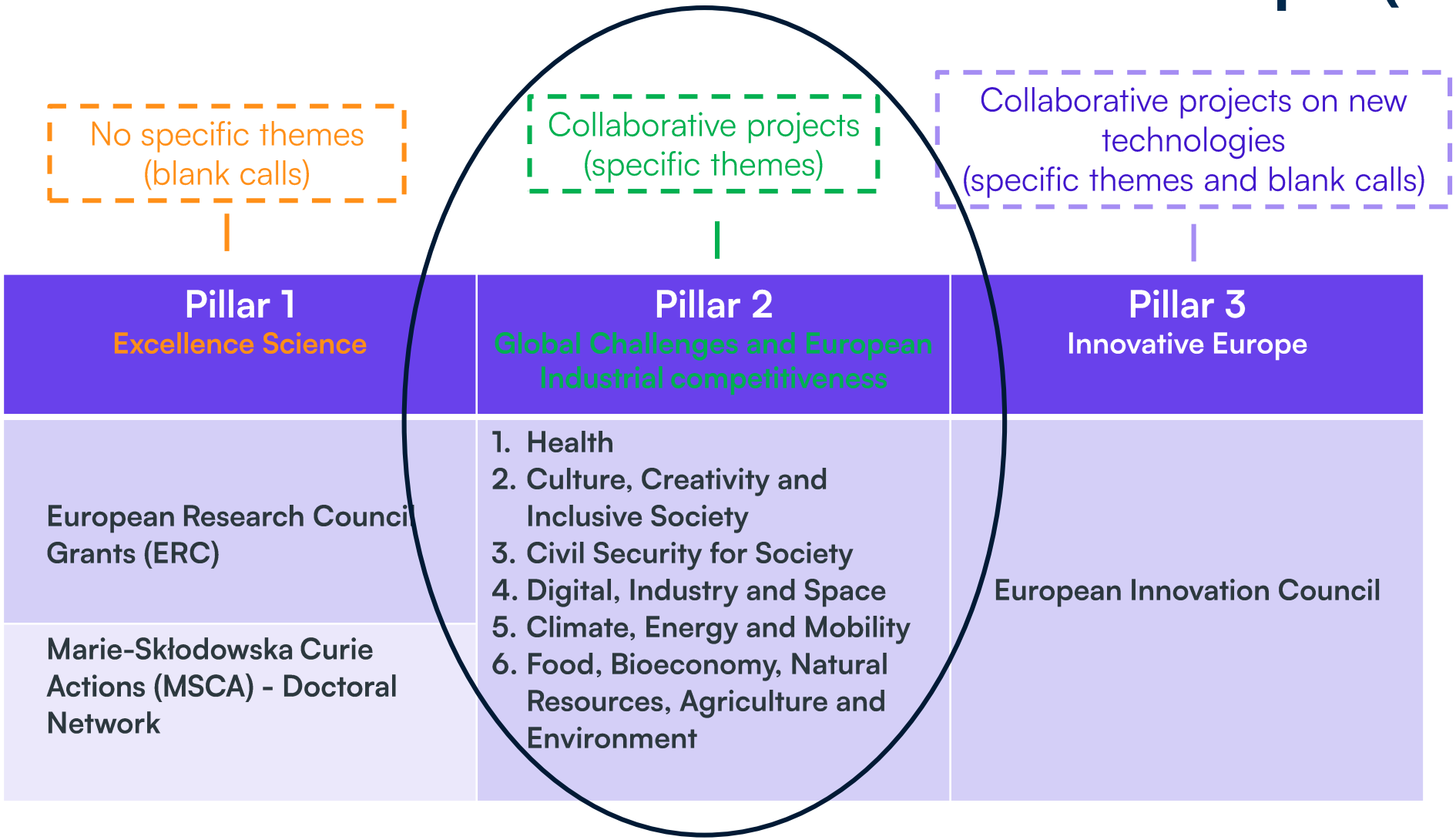
2 - Opportunities for collaborative projects

→ 23/06/2025

Pillar 2

2.1 — Global Challenges and European Industrial Competitiveness

General architecture of Horizon Europe (HE)



Objective: answer specific outcomes outlined in a call (clusters)

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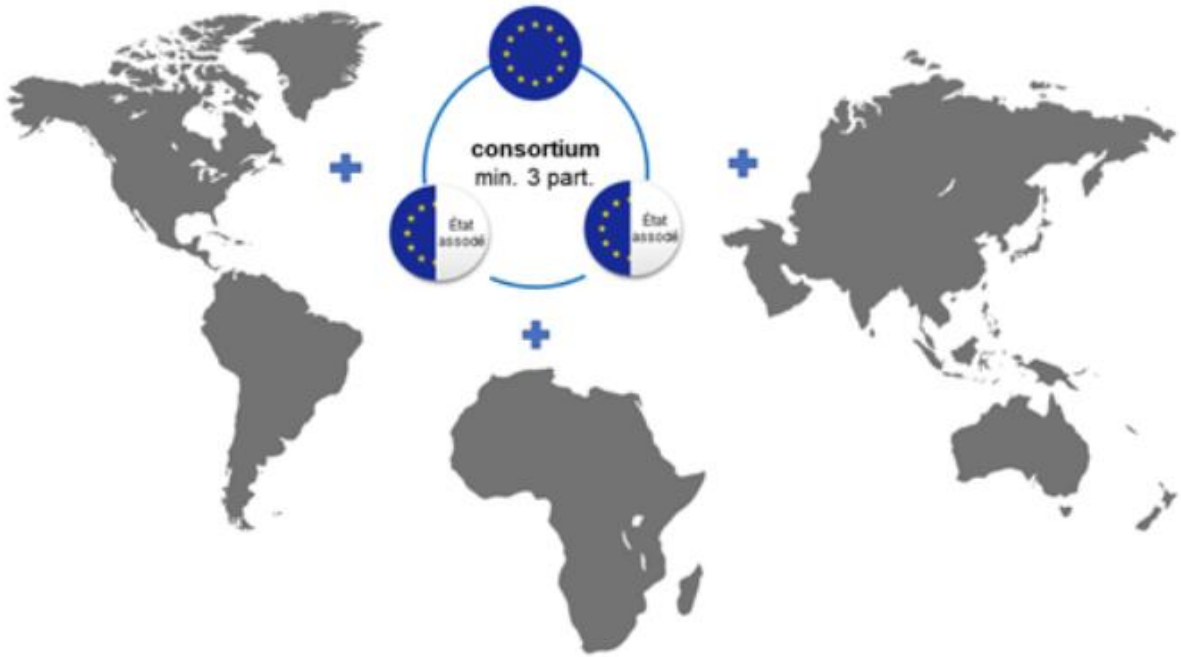
Rules of eligibility in Horizon Europe in Pillar 2

Minimum of 3 independent legal entities based in 3 **EU Member States** or **Associated Countries** with **at least one** of which must be established **in one of the 27 Member States.**

Participants from other **Third Countries** can be part of the consortium and receive funds.

Please note: in each call for projects, specific conditions may apply (more partners, other country required and funded, etc.).



Republic of Korea has signed the Association agreement for Pillar 2 (only).
Ongoing negotiation with Japan.
UK and Switzerland are eligible for all the programme now.

Link to Third Countries eligible for Funds : https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/common/guidance/list-3rd-country-participation_horizon-euratom_en.pdf

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Example of an eligible consortium (Pillar 2)

Beneficiary 1
Coordinateur CNRS

LIMMS

MAJULAB
LAAS
IEMN

CNRS Researchers + Researchers from universities not eligible

Beneficiary 2
Twente University (NL)

Beneficiary 3
Ecole Polytechnique Federale de Lausanne (CH)

Beneficiary 4
Forschungszentrum Jülich (DE)

Beneficiary 5
Seoul National University (KR)

Associated Partner 1
Tokyo University (JP)

Associated Partner 2
NTU (SG)

Associated Partner 3
National Taïwan University (TW)

ASSET !!
To be mentioned in the proposal

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The key players in a collaborative project

Coordinator
[Project Leader and Beneficiary]

- coordinates the overall action
- submits the call, deliverables and financial reports
- main contact person with the EU

Affiliated Entity

Entity with a legal link to a beneficiary and which implement parts of the action and are allowed to charge costs directly to the grant.

Beneficiaries

are fully responsible towards the EU for implementing the project and for their financial reports and statements.

Subcontractor

Subcontractor(s) often implement important parts of the action. They are paid by the beneficiary in exchange for the work and are not hierarchically subordinate to the beneficiary.

Affiliated Entity

Associated Partners

are partners who participate to the implementation of the action but do not receive EU funds (often not eligible countries: in-kind contribution).

European Commission

Sign the Grant Agreement with EU

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Pillar 2: Global Challenges and European Industrial Competitiveness

Collaborative projects **(specific themes)**

6 Clusters

1 Health

6 destinations:
Stay Health
Health Environ.
Disease
Care
Health Tech & Tools
Health Industry

2 Culture, Creativity and Inclusive Society

3 destinations:
Democracy
Heritage
Transformation

3 Civil Security for Society

6 destinations:
Crime/terrorism
Management EU external borders
Resilient Infrastructures
Cybersecurity
Disaster-Resilient Society for Europe
Security Research

4 Digital Industry and Space

6 destinations:
Climate neutral production
Resilient industry
Computing technologies
Digital technologies
Global space-based infra.
Human-centred digital tech.

5 Climate, Energy and Mobility

4 destinations on Climate/Energ.
Climate sciences
Climate transition
Energy supply
Energy use
2 destinations on **transport**
Clean solution
Resilient transport

6 Food, Bioeconomy, Natural Resources, Agriculture and Environment

7 destinations:
Biodiversity & ecosystem
Food system
Circular economy
Zero pollution envr.
Climate actions
Healthy & green communities
Innovative governance

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How to read a call?

Code of the call/topic that reflects the program (HORIZON), the cluster, the year of the call, the destination (key-word "TOOL" and 05), and topic/call (here 06)

Deadline(s) and budget

Title of the topic

Proposals under each destination and topics should aim for delivering results and contributing to *several* OR *all* **expected outcomes (short term).**

Then the "scope" of the call that describes other aspects/activities that should be addressed (expected impacts — long term ; reference to European papers, recommendations, etc.).

It is important to read the entire call several times and to respond point by point in the proposition to each expected result and how it will be achieved (implementation).

Link to the call: https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-hlth-2024-tool-05-06-two-stage

HORIZON-CL4-2024-HUMAN-03-02

Deadline dates: **18 septembre 2024** (17:00 Brussels time)
Budget overview : 15 000 000 / number of grants: 2
= 7 500 000€ per project

"Explainable and Robust AI (AI Data and Robotics Partnership)"

Projects are expected to contribute to **one of the following outcomes**:

- Enhanced robustness, performance and reliability of AI systems, including generative AI models, with awareness of the limits of operational robustness of the system.
- Improved explainability and accountability, transparency and autonomy of AI systems, including generative AI models, along with an awareness of the working conditions of the system.

Scope :
XXX XXX

To this end, the **following methods** may be considered but are **not** necessarily **restricted** to:

- data-efficient learning, transformers and alternative architectures, etc.
- hybrid approaches integrating learning, knowledge and reasoning, etc.
- continual learning, active learning, long-term learning and how they can help improve robustness and explainability….

Multidisciplinary research activities should address **all of the following**:

- Proposals should involve appropriate expertise in all the relevant sector specific use cases and disciplines, and where appropriate Social Sciences and Humanities (SSH), including gender and intersectional knowledge to address concerns around gender, racial or other biases, etc.
- XXX XXX

In order to achieve the expected outcomes, international cooperation is encouraged, in particular with **Canada and India**.

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What has been financed in Health (Cluster 1)

CALL: HORIZON-HLTH-2021-DISEASE-04-04

Clinical validation of artificial intelligence (AI) solutions for treatment and care

Expected outcomes :

a. Health care professionals employ safer and evidence-based clinical decision support systems for affordable treatment, including home-based care and better predict patients' (long-term) response, including adverse side effects of a specific personalised treatment.
b. Patients and carers have access to disease-specific communication packages informing about a disease and the proposed treatment.
c. Clinical guidelines are enhanced thanks to novel, clinically validated and (cost-) effective AI solutions.

Project funded

International study to validate AI for the prediction of treatment response in breast cancer

- **Universidad Barcelona : Coordinator + 15 Partners (3 Third countries : Argentina, Egypt, Turkey)**
- **Amount of the Grant: 5 838 576 €**

Objectives :

Breast cancer is now the most common cancer worldwide, surpassing lung cancer in 2020 for the first time. It is responsible for almost 30% of all cancers in women and current trends show its increasing incidence. Neoadjuvant chemotherapy (NAC) has shown promise in reducing mortality for advanced cases, but the therapy is associated with a high rate of over-treatment, as well as with significant side effects for the patients. For predicting NAC respondents and improving patient selection, artificial intelligence (AI) approaches based on radiomics have shown promising preclinical evidence, but existing studies have mostly focused on evaluating model accuracy, all-too-often in homogeneous populations.

RadioVal is the first multi-centre, multi-continental and multi-faceted clinical validation of radiomics-driven estimation of NAC response in breast cancer. The project builds on the repositories, tools and results of five EU-funded projects from the AI for Health Imaging (AI4HI) Network, including a large multi-centre cancer imaging dataset on NAC treatment in breast cancer. To test applicability as well as transferability, the validation with take place in eight clinical centres from three high-income EU countries (Sweden, Austria, Spain), two emerging EU countries (Poland, Croatia), and three countries from South America (Argentina), North Africa (Egypt) and Eurasia (Turkey).

RadioVal will develop a comprehensive and standardised methodological framework for multi-faceted radiomics evaluation based on the FUTURE-AI Guidelines, to assess Fairness, Universality, Traceability, Usability, Robustness and Explainability. Furthermore, the project will introduce new tools to enable transparent and continuous evaluation and monitoring of the radiomics tools over time. The RadioVal study will be implemented through a multi-stakeholder approach, taking into account clinical and healthcare needs, as well as socio-ethical and regulatory requirements from day one.

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New Work Programme (WP 2025-2026) and tips

Consult the calendar of French National Contact Point → ongoing calls per Cluster

Next deadline

Cluster 1 : Sept. 2025 (one stage) or Sept.2025 and April 2026 (for two stage submission)

Cluster 4 : Digital: Sept. - Oct. 2025/ Industry: End of Sept. 2025 and/or April 2026 (for two stage submission)

Cluster 5: Energy : Sept 2025 (some call with 2 stage submission : 1st: Sept. 2025 / second April 2026)

Have a look to the draft of the next Work Programmes (2026-2027)

But these are only drafts, not sure that the calls you point will be published

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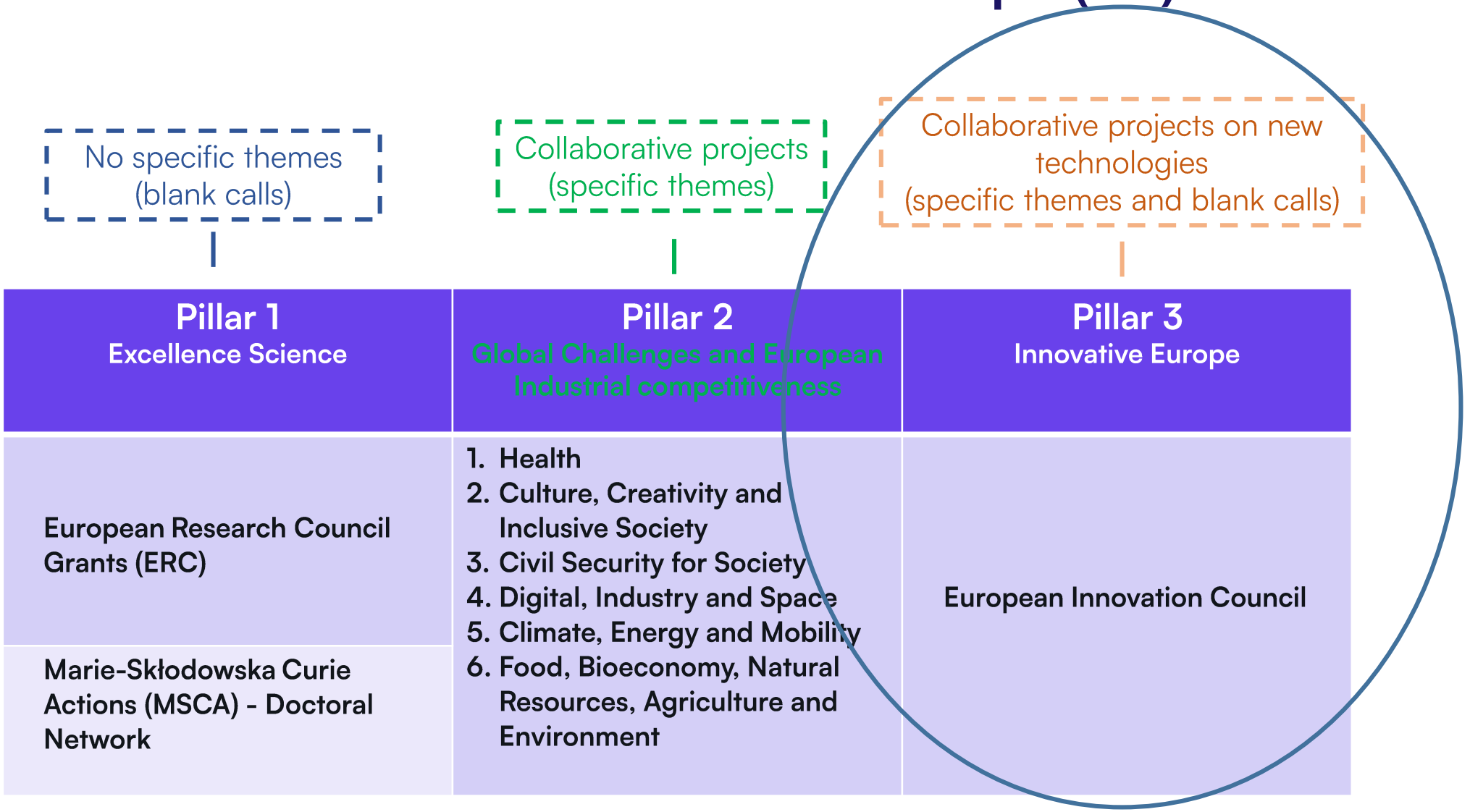
Pillar 3

2.2 — European Innovation Council Grants (EIC)

General architecture of Horizon Europe (HE)



European Innovation Council

Funds an innovative and risky project leading to the development of a new technology.

→ European Innovation Council Grants

Collaborative projects on new technologies **(specific themes and blank calls)**

EIC PATHFINDER OPEN

- Collaborative project with 3 legal entities min. (EU members or Associated countries)
- 3 million € over 4-year project
- **Blank calls: no specific themes**

EIC PATHFINDER CHALLENGE

- Collaborative project or mono-beneficiary
- 4 million € over 4-year project
- **Specific themes:** the EU challenges change each year (**thematic calls**)

The scale of technology readiness level (TRL) in this type of project

From TRL 1 to TRL 3

From TRL 2 to TRL 4

Evaluation in EIC

- **Excellence**
- **Impact**
- **Implementation**

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Calls EIC Pathfinder Challenges

Deadline: October, 29th, 2025

Budget: +/- 4 millions € per project (+/- 6 projects will be funded per Challenge)

Success rate 10%

Informal information for the EU programme manager

Call open July 25th 2025

1. Biotech for Climate Resilient Crops and Plant-Based Biomanufacturing
2. Generative-AI based Agents to Revolutionize Medical Diagnosis and Treatment of Cancer
3. Towards autonomous robot collectives delivering collaborative tasks in dynamic unstructured construction environments
4. Waste-to-value devices: Circular production of renewable fuels, chemicals and materials

- SAVE THE DATE: **June 23rd, 2025** (2pm-4:45pm France Time)

→ Webinar organised by the National Contact Point with the 4 EU programme Managers. Contact me if you want to receive the slides of one presentation. The webinar has been recorded.

Click here for more information on each call

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European Innovation Council

Funds the maturation of a technology and its commercial concept

EIC TRANSITION

- Single-beneficiary or collaborative project (max 5 countries - Member States or countries associated with Horizon Europe)
- Blanck call: no fixed theme
- 2.5 million euros over 3-year project

Collaborative projects on new technologies **(specific themes and blank calls)**

The EIC Transition project must build on the results of a **project already funded by European funds**

Deadline
Sept. 17th 2025

The scale of technology readiness level (TRL) in this type of project:

From TRL 4 to TRL 6

Evaluation in EIC

- **Excellence**
- **Impact**
- **Implementation**

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Useful Links

- Work Programme EIC 2025
- More information on the EIC Pathfinder and Transition
- French National Contact Point page (old useful resources : success rate 2024, 2023, 2022, evaluation, etc.).
- How to find your National Contact Point (you have to select your country or the country of your employer / future employer + select the function in relation to your question — legal aspects, NCP coordinator, Cluster 1, ERC, MSCA, etc.)

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SUCCESS RATES

- **SUCCESS RATE IN FRANCE :**

https://www.horizon-europe.gouv.fr/horizon-europe-les-resultats-de-la-france-24151

- **SUCCESS RATE IN EUROPE :**

https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/horizon-dashboard

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Thank you!

Any question?

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