



#HorizonEU

HORIZON EUROPE

THE EU RESEARCH & INNOVATION PROGRAMME 2021 – 27

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EU Delegation to Japan

This presentation is based on the political agreement of 11 December 2020
on the Horizon Europe. Information on some parts is pending revision.

19 March 2021

Research
and
Innovation



Horizon Europe is a tool to:

- **to upgrade bilateral research/institutional collaboration to multilateral collaboration** - higher quality research output
- **to join the world's best research teams:** to learn how large research projects are run, what is the top science in your field, how science communication is done...
- **to jointly address global challenges in any field of science / TRLs / opportunities for collaboration with industry / standards**
- **to further internationalise universities:** joining global research teams, establish doctoral courses, communication in EN, host individual researchers from overseas, exchange research results, twinning activities
- **to develop researchers' career at any level**

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

1

European Research Council

2

Marie Skłodowska-Curie

Research Infrastructures



Pillar II GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS

3

Clusters

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



Pillar III INNOVATIVE EUROPE

European Innovation
Council

European Innovation
Ecosystems

European Institute of
Innovation & Technology*

monobeneficiary grants
and mobility schemes

collaborative research

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



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monobeneficiary grants and mobility schemes



Doctoral
Networks

Postdoctoral
Fellowship

Marie Skłodowska-Curie Actions to fund doctoral
programmes and postdoctoral researchers

Doctoral
Networks

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

Postdoctoral
Fellowships

*Support to excellent
postdoctoral
researchers*



ERC grants

European Research Council schemes to fund frontier
research projects run by individual researchers

Starting
Grants
(StG)

1 Principal Investigator
(2-7 years after PhD)
up to € 2.5 Mio
for 5 years

Consolidator
Grants
(CoG)

1 Principal Investigator
(7-12 years after PhD)
up to € 3.0 Mio
for 5 years

Advanced
Grants
(AdG)

1 Principal Investigator
up to € 3.5 Mio
for 5 years



European Research Council

Scientific Freedom as a Basic Value

- Scientific excellence as the only evaluation criterion.
- Support to the individual scientist – no consortia!
- No predetermined subjects (bottom-up).
- Simple application procedures.

Recognition and Visibility to Individual researchers

ERC allows to:

- work on a research topic of own choice, with a team of own choice
- gain true financial autonomy for 5 years
- negotiate with the host institution the best conditions of work
- attract top team members (EU and non-EU) and collaborators
- move with the grant to any place in Europe if necessary (portability of grants)
- attract additional funding and gain recognition; ERC is a quality label



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ERC funding schemes for individual PIs

Aim: to fund frontier research projects run by individual PIs

Starting Grants (StG)

1 Principal
Investigator
(2-7 years after PhD)
up to € 2.5 Mio
for 5 years

Consolidator Grants (CoG)

1 Principal
Investigator
(7-12 years after PhD)
up to € 3.0 Mio
for 5 years

Advanced Grants (AdG)

1 Principal
Investigator
up to € 3.5 Mio
for 5 years

Synergy Grants (SyG)

2 – 4 Principal
Investigators
up to € 14 Mio
for 6 years

ERC funding scheme for groups of individual PIs

Aim: to fund frontier research
projects jointly run by a small
group of individual PIs



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Marie Skłodowska-Curie Actions (MSCA) key features

- **Support the mobility, training** (including transferable skills) **and career development** of researchers from **all over the world** through excellent doctorates, postdoctoral fellowships and collaborative projects
- Stimulating **international, inter-sectoral and interdisciplinary** cooperation
- For researchers at **every stage** of their career
- Promotion of **attractive working and employment** conditions (financing rate of up to 100%, Charter and Code)
- Support excellent research in all domains (**bottom-up**)
- Open to all organisations. Participation of **non-academic sector** strongly encouraged, especially industry and SMEs
- Impacting **researcher careers, organisations, structures and the ERA**



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The Actions

Doctoral Networks

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

Postdoctoral Fellowships

Support to excellent postdoctoral researchers

Staff Exchanges

Support for exchanges of any type of R&I-related staff

COFUND

Co-funding doctoral and postdoctoral programmes

MSCA and Citizens

Public outreach events (Night)



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Doctoral Networks

Filter results

☐ Select all (5)

☒ First Stage Researcher (R1)

☐ Recognised Researcher (R2)

Filter results

☐ Select all (5)

☐ Horizon Marie Skłodowska-Curie Actions COFUND

☒ HE / MSCA

Filter by

Search results (8636)

Offer Type

Select

Country

Select

Research Field

Select

Researcher Profile

Select

Sector

Select

Positions

Select

Funding Programme

Select

Funding Type

Select

Research Field

Select

Filter results

☐ Select all (377)

Funding Programme

Positions

1 PhD Positions

Filter results

☐ Select all (7)

☐ Bachelor Positions

☐ Master Positions

☐ Other Positions

☒ PhD Positions

Search results (145)

Showing results 1 to 10

JOB FRANCE

Fondation Nationale des Sciences Politiques | Posted on: 25 October 2024

Doctoral Contract - The impacts of populism on diplomatic policymaking

The Center for International Studies (CERI) at Sciences Po Paris is seeking PhD candidates to join European Union's Horizon Europe Marie Skłodowska-Curie Action - Doctoral Network "The International Dimensions and Effects of Populism (IDEoPOP)". About IDEoPOP: IDEoPOP offers training-through-research...

Department: Research department

Work Locations: Number of offers: 1, France, Centre for International Studies, Paris, 75007, 28 rue des Saints Pères

Research Field: Political sciences

Researcher Profile: First Stage Researcher (R1)

Funding Programme: Horizon Europe - MSCA

Application Deadline: 2 Dec 2024 - 23:59 (Europe/Paris)

Share

JOB FRANCE

Université de Strasbourg | Posted on: 24 October 2024

Three Marie Curie project PhD positions in Machine Learning for Quantum in Strasbourg (France), Karlsruhe (Germany), Budapest (Hungary)

Machine Learning for Quantum (MLQ) offers 3 positions for doctoral researchers. MLQ will develop and apply machine learning techniques for improving our understanding of quantum matter and for advancing quantum technologies towards useful applications, and to exploit quantum technologies for...

Department: CESQ - Institut de Science et d'Ingénierie Supramoléculaires (ISIS)

Work Locations: Number of offers: 1, France, CESQ/Cube, University of Strasbourg, Strasbourg
Number of offers: 1, Germany, Karlsruhe Institute of Technology, Karlsruhe
Number of offers: 1, Hungary, Eötvös University, Budapest, Budapest

Research Field: Physics » Quantum mechanics
Physics » Computational physics
Computer science » Other
Mathematics » Algorithms

Researcher Profile: First Stage Researcher (R1)

Funding Programme: Horizon Europe - MSCA

Application Deadline: 30 Nov 2024 - 00:00 (Europe/Paris)



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Horizon Europe (HORIZON)

Horizon Europe is the ambitious EU research & innovation programme

Find calls for proposals and tenders

Search calls for proposals by keywords, programme or topic

⚠ Calls for Tenders are not available when you are not logged in

Find call by programme structure

Horizon Europe consists of three pillars and one horizontal theme



Pillar 1

Excellent Science

European Research Council

Marie Skłodowska-Curie Actions

Research Infrastructures

MSCA Postdoctoral Fellowships 2024

HORIZON-MSCA-2024-PF-01-01 | Call for proposal

Opening date: 23 April 2024 | Next deadline: 12 September 2024 | Single-stage

Programme: Horizon Europe (HORIZON) | Type of action: HORIZON TMA MSCA Postdoctoral Fellowships

MSCA COFUND 2024

HORIZON-MSCA-2024-COFUND-01-01 | Call for proposal

Opening date: 23 April 2024 | Next deadline: 27 September 2024 | Single-stage

Programme: Horizon Europe (HORIZON) | Type of action: HORIZON TMA MSCA Cofund Doctoral programme

Postdoctoral Fellowship

ERC grants

Budget for collaborative research

in current prices

Cluster 1	Health	€8.246 billion (including €1.35 billion from NGEU)
Cluster 2	Culture, Creativity & Inclusive Societies	€2.280 billion
Cluster 3	Civil Security for Society	€1.596 billion
Cluster 4	Digital, Industry & Space	€15.349 billion (including €1.35 billion from NGEU)
Cluster 5	Climate, Energy & Mobility	€15.123 billion (including €1.35 billion from NGEU)
Cluster 6	Food, Bioeconomy, Natural Resources, Agriculture & Environment	€8.952 billion
	JRC (non-nuclear direct actions)	€1.970 billion

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European Partnerships

HORIZON EUROPE PILLAR II - Global challenges & European industrial competitiveness

PILLAR III - Innovative Europe

[illegible]

Pillar III

INNOVATIVE EUROPE:

stimulating **market-creating breakthroughs** and **ecosystems** conducive to innovation

European Innovation Council

Support to innovations with breakthrough and market creating potential

European innovation ecosystems

Connecting with regional and national innovation actors

European Institute of Innovation and Technology (EIT)

Bringing key actors (research, education and business) together around a common goal for nurturing innovation

The budget: **€10.6 billion**, incl. up to **€527 million** for ecosystems (including NGEU – Recovery Fund parts dedicated to EIC).

circa **€3 billion**



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European
Commission

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Horizon Europe (HORIZON) ▼

HORIZON-CL3-2024-DRS-01 ▼

Submission status ▼

All filters

Disaster Resilient Society

Programme **Horizon Europe (HORIZON)** ✕

Hi-tech capacities for crisis response and recovery after a natural-technological (NaTech) disaster

HORIZON-CL3-2024-DRS-01-04 | Call for proposal

Opening date: **27 June 2024** | Next deadline: **20 November 2024** | Single-stage

Programme: **Horizon Europe (HORIZON)** | Type of action: **HORIZON Research and Innovation Actions**

Cost-effective sustainable technologies and crisis management strategies for RN large-scale protection of population and infrastructures after a nuclear blast or n...

HORIZON-CL3-2024-DRS-01-05 | Call for proposal

Opening date: **27 June 2024** | Next deadline: **20 November 2024** | Single-stage

Programme: **Horizon Europe (HORIZON)** | Type of action: **HORIZON Research and Innovation Actions**

Open Topic

HORIZON-CL3-2024-DRS-01-02 | Call for proposal

Opening date: **27 June 2024** | Next deadline: **20 November 2024** | Single-stage

Programme: **Horizon Europe (HORIZON)** | Type of action: **HORIZON Research and Innovation Actions**

Prevention, detection, response and mitigation of chemical, biological and radiological threats to agricultural production, feed and food processing, distribution an...

HORIZON-CL3-2024-DRS-01-01 | Call for proposal

Opening date: **27 June 2024** | Next deadline: **20 November 2024** | Single-stage

Programme: **Horizon Europe (HORIZON)** | Type of action: **HORIZON Research and Innovation Actions**

Additional documents:

[HE Main Work Programme 2023–2024 – 1. General Introduction](#)

[HE Main Work Programme 2023–2024 – 6. Civil Security for Society](#)

[HE Main Work Programme 2023–2024 – 13. General Annexes](#)

[HE Programme Guide](#)

[HE Framework Programme and Rules for Participation Regulation 2018/1019](#)

[HE Specific Programme Decision 2021/764](#)

[EU Financial Regulation](#)

[Rules for Legal Entity Validation, LEAR Appointment and Financial Call](#)

[EU Grants AGA — Annotated Model Grant Agreement](#)

[Funding & Tenders Portal Online Manual](#)

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EN

Horizon Europe

Work Programme 2023-2025

[6. Civil Security for Society](#)

(European Commission Decision C(2024) 2371 of 10 July 2024)

HORIZON-CL3-2024-DRS-01-01: Prevention, detection, response and mitigation of chemical, biological and radiological threats to agricultural production, feed and food processing, distribution and consumption

Specific conditions

<i>Expected EU contribution per project</i>	The Commission estimates that an EU contribution of around EUR 4.00 million would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
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<i>Indicative budget</i>	The total indicative budget for the topic is EUR 8.00 million.
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<i>Type of Action</i>	Research and Innovation Actions
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<i>Eligibility</i>	The conditions are described in General Annex B. The following conditions apply:
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Expected Outcome:	Projects' results are expected to contribute to some or all of the following outcomes:
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- Increasing EU capabilities to assess risks, detect, alert, mitigate and respond to feed and food intentional and accidental contamination from chemical, biological and radiological (CBR) agents, through the entire food chains (soils and agro-production, feed and food industry, transporting, retail and hospitality industry, public catering);
- Increasing the understanding on food terrorism threats and on food chain vulnerabilities to intentional and accidental contaminations;
- Raising awareness among feed and food companies and authorities to CBR threats arising from malicious use of hazardous agents that pose danger to animal and public health. This should be done under the premises of feed and food as a critical infrastructure and risks pertaining therein;
- In addition to raising awareness, proposals should develop possible preparedness, mitigation and response plans for national authorities and the private sector.

Scope: Plant and animal health is of global importance for sustainable agriculture and competitive agriculture and forestry, as well as for the protection of biodiversity and ecosystems¹⁰². Globally, between 10 and 28 percent of crop production is lost to pests and contamination of food and feed by mycotoxins can severely threaten the health of humans and livestock. The International Year of Plant Health (IYPH) 2020, established by the United Nations, raised public and political awareness of the importance of plant health and a recent study (IPPC, 2021) calls the attention of policy makers to the main effects of climate change on plant health, helping governments and the international community addressing plant health challenges. Also, the food chain, from harvest of agricultural products, throughout processing, distribution and until consumption can be challenged by several (hybrid) threats, which are increasingly taking non-conventional forms and possibly targeting the agriculture and food chain with severe consequences.

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threats to agricultural production

x

Q

[? Help](#)[Edit query](#)

Filters

☐ Include archived content [i](#)

1 260 results for 'threats' AND 'to' AND 'agricultural' AND 'production'



Plant health: Protecting plants to safeguard our future



Plant health is an overarching term for emerging risks including pests, diseases and weeds, integrated pest management and innovation in plant protection. It has the potential to contribute to the wider goal of ensuring the sustainability of primary production on an economic, ecological and



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