



REPUBLIKA SLOVENIJA
MINISTRSTVO ZA VISOKO ŠOLSTVO,
ZNANOST IN INOVACIJE

MSCA Postdoctoral Fellowships (PF)

2024 – 2025
znānost!
EVROPSKA NOČ RAZISKOVALCEV

Stojan Sorčan, MVZI
NCP MSCA
Maribor, 18. junij 2025

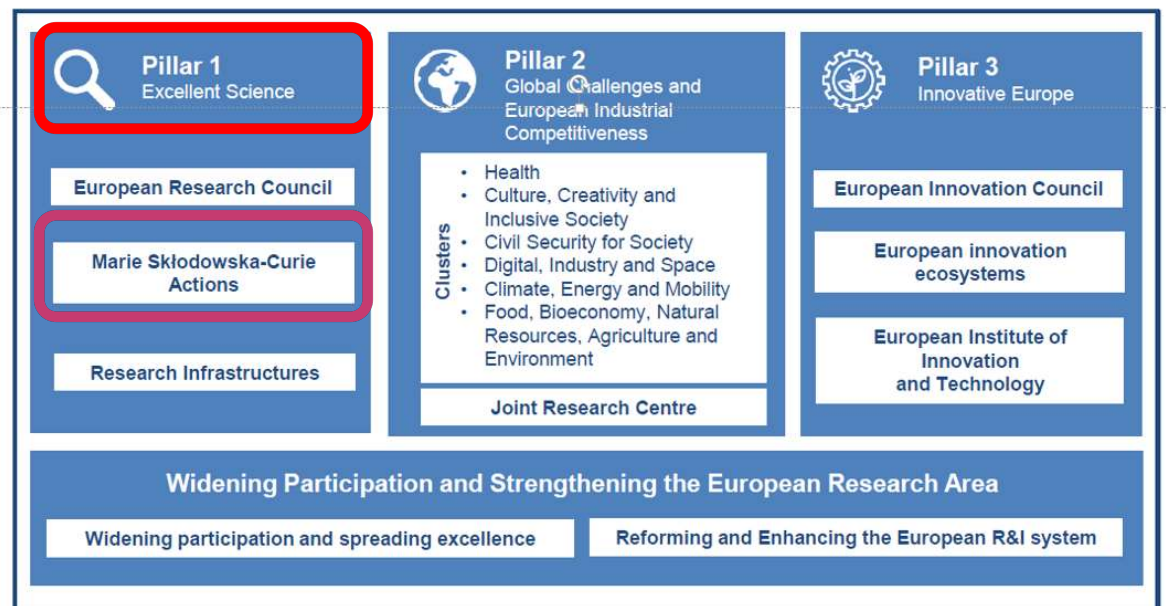
Marie Skłodowska
Curie Actions

HORIZON EUROPE



THE EU RESEARCH & INNOVATION
PROGRAMME 2021 - 2027

#HorizonEU



19. 06. 2025

The Marie Skłodowska-Curie Actions



Since 1996

Researcher Training
and Mobility



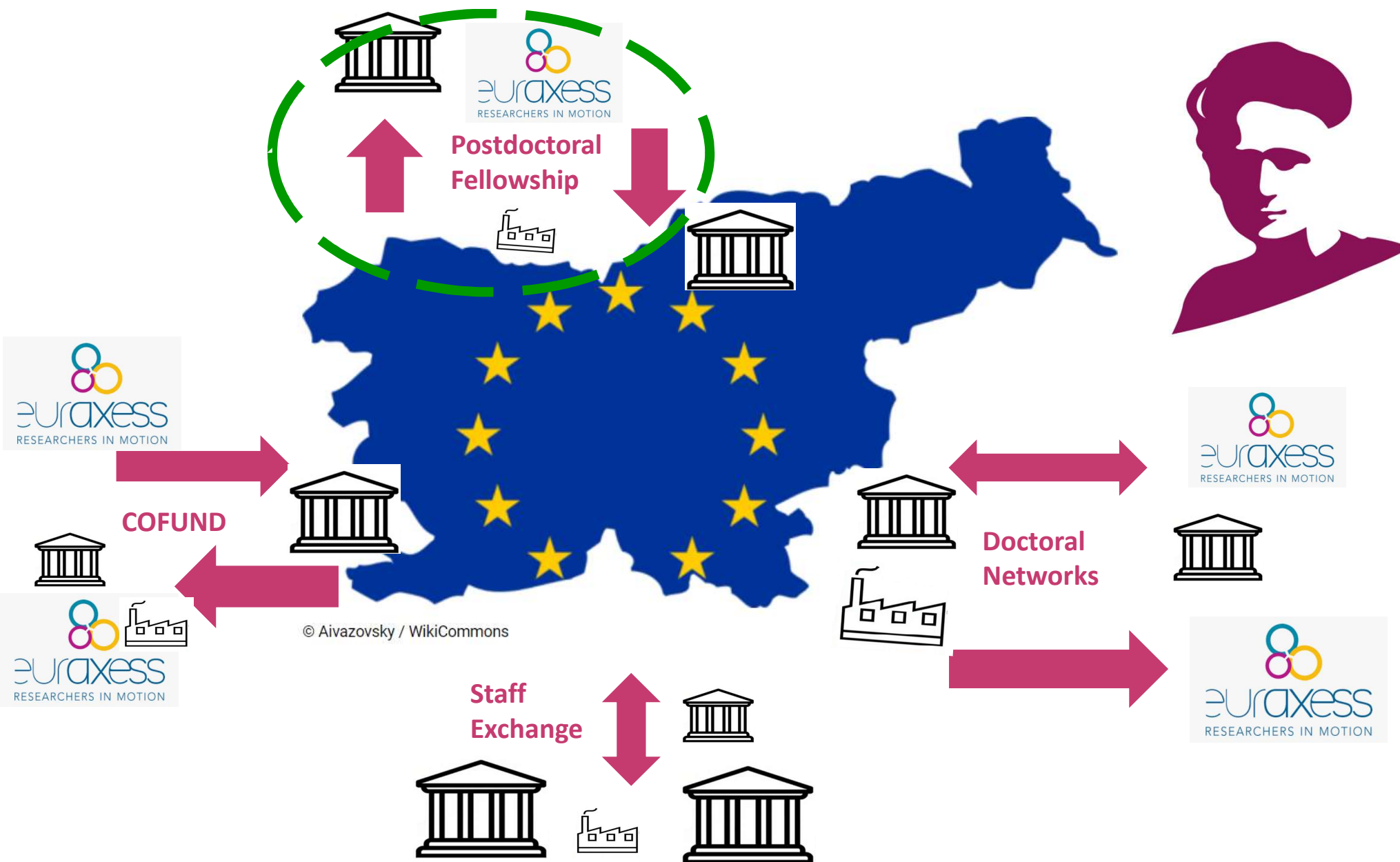
International and Inter-
Sectoral



150,000 +

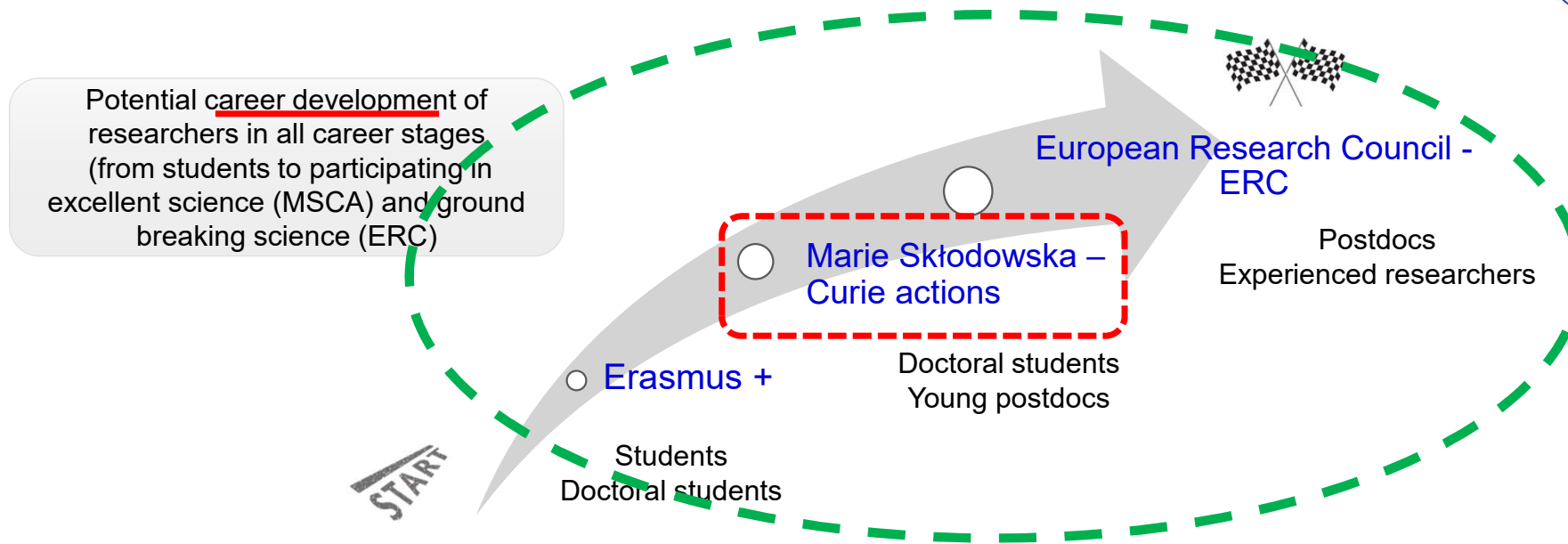
Bottom-Up Approach





Marie Skłodowska-Curie actions

MSCA-NET



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
- ✓ Develop excellent doctoral programmes enhancing the global attractiveness and visibility of institutions involved in them
- ✓ 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
- ✓ Promote the EU's global attractiveness for talents

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Source: iStockphoto.com

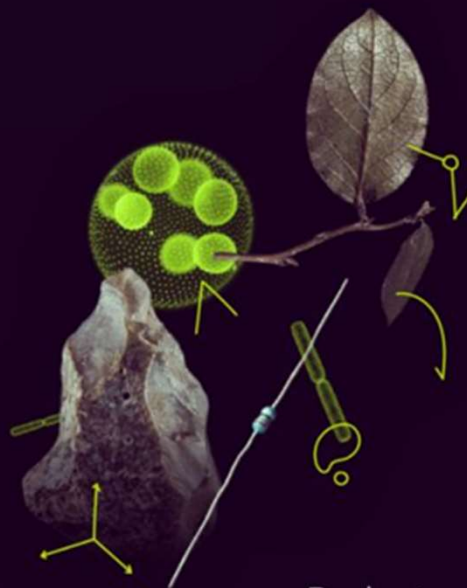
Postdoctoral Fellowships 2025 CALL

Opening:

08 • 05 • 2025

Closing:

10 • 09 • 2025



Budget:

€ 404.3 million

MSCA

Marie Skłodowska-Curie **Actions**
Developing talents, advancing research





MSCA Postdoctoral Fellowships 2025

HORIZON-MSCA-2025-PF-01-01

Topic Call for proposal

Internal navigation

- General information
- Topic description
- Topic updates
- Mission
- Destination
- Conditions and documents
- Budget overview
- Partner search announcements
- Start submission
- Topic Q&As

General information		
Programme Horizon Europe (HORIZON)		
Call MSCA Postdoctoral Fellowships 2025 (HORIZON-MSCA-2025-PF)		
Type of action HORIZON-TMA-MSCA-PF-GF HORIZON TMA MSCA Postdoctoral Fellowships - Global Fellowships	Type of MGA HORIZON Unit Grant [HORIZON-AG-UN]	 Forthcoming
Deadline model single-stage	Planned opening date 09 April 2025	Deadline date 10 September 2025 17:00:00 Brussels time
Type of action HORIZON-TMA-MSCA-PF-EF HORIZON TMA MSCA Postdoctoral Fellowships - European Fellowships	Type of MGA HORIZON Unit Grant [HORIZON-AG-UN]	 Forthcoming
Deadline model single-stage	Planned opening date 09 April 2025	Deadline date 10 September 2025 17:00:00 Brussels time

MSCA PF

Main Objective

“Enhance the creative and innovative potential of researchers holding a PhD, wishing to acquire new skills through advanced training, international, interdisciplinary and inter-sectoral mobility... through the implementation of an original and personalised research project.”

Budget (PF-2025): EUR 404.29 million

- EUR 343.65 million European Fellowships (EF)
- EUR 60.64 million Global Fellowships (GF)

Call opening : 8 May 2025

Call deadline: 10 September 2025

MSCA PF

- **Mono-beneficiary**
 - Host organization in EU Member State (MS) or Horizon Europe Associated Country (HE AC)
- **For one excellent researcher**
 - of any nationality (with restrictions for GF and Euratom)
- **Open to all research domains**



MSCA PF

Expected impacts

Enhance **researchers' innovation potential**

Strengthen EU **R&I human capital**

Enhance **R&I quality** for EU competitiveness

Facilitate **knowledge transfer** across the ERA

Boost EU **R&I attractiveness** and improve researchers' work conditions

Foster a culture of **open science, innovation** and **entrepreneurship**

MSCA PF - Types

European Fellowships

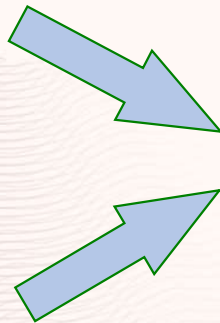


EU MS/AC



Third Country

Duration: 12-24m



EU MS/AC

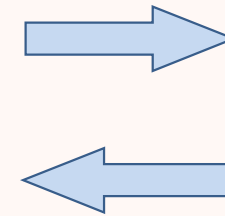
+ Non-Academic
Placement
Max. 6m

Global Fellowships

Outgoing phase: 12-24m



EU MS/AC



Third Country

Return phase: 12m

Duration: 24-36m

Secondments and NAPs

Secondments

EF

GF

When?

**Within the
project
duration**

**Within the
outgoing
phase**

How long?

**max 1/3 of
project**

**max 1/3 of
outg. phase**

Where?

Any Country worldwide

Sector

Any sector

Non-Academic Placements

**After the project
(additional budget)**

**max 6 months, after the
project**

EU MS or HE AC

Non-academic sector

Eligible Researchers

EF

GF

any nationality

**nationals or long-term
residents of MS or HE AC**

with a doctoral degree prior to call deadline

max 8 years FTE research experience after PhD

compliant with MSCA mobility rule

MSCA PF Project Budget –Unit (Month) Contributions

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

*Living Allowance is a **gross amount** corrected by a **country correction coefficient (CCC)**

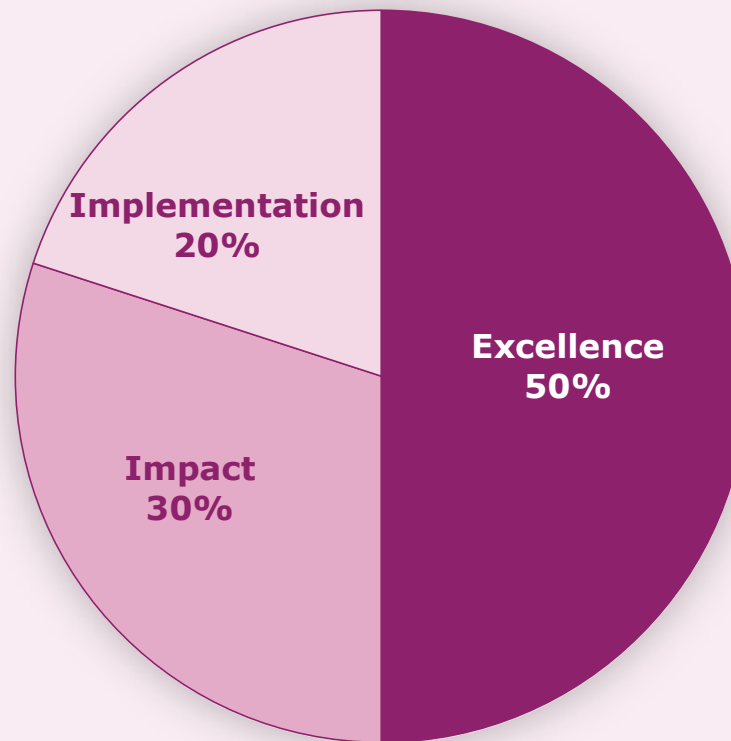
MSCA PF

Evaluation criteria

WEIGHTING

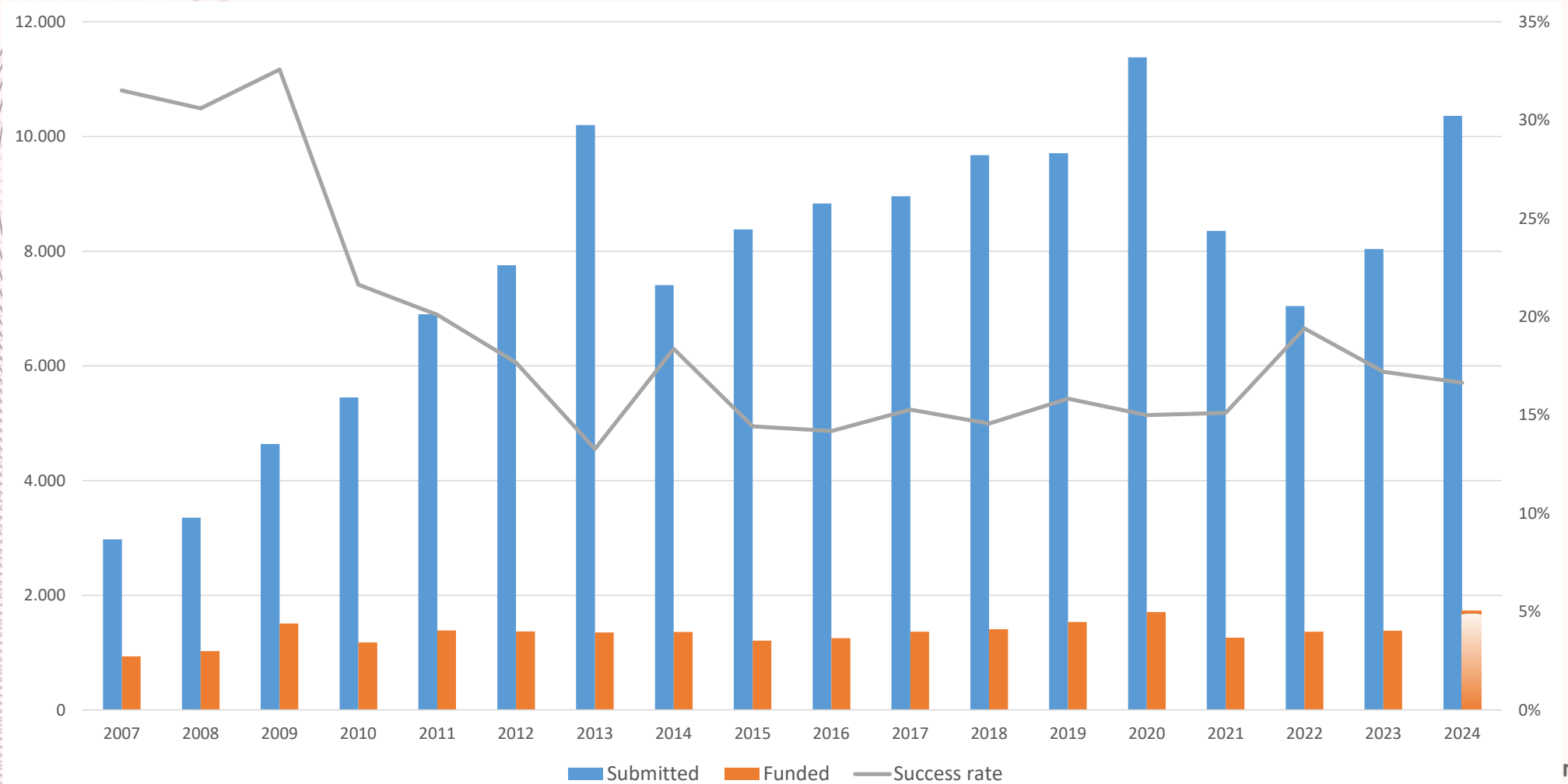
- Workplan
- Quality of host institutions and APs

- Career perspectives and skills development
- Dissemination and exploitation
- Scientific, societal and economic impact

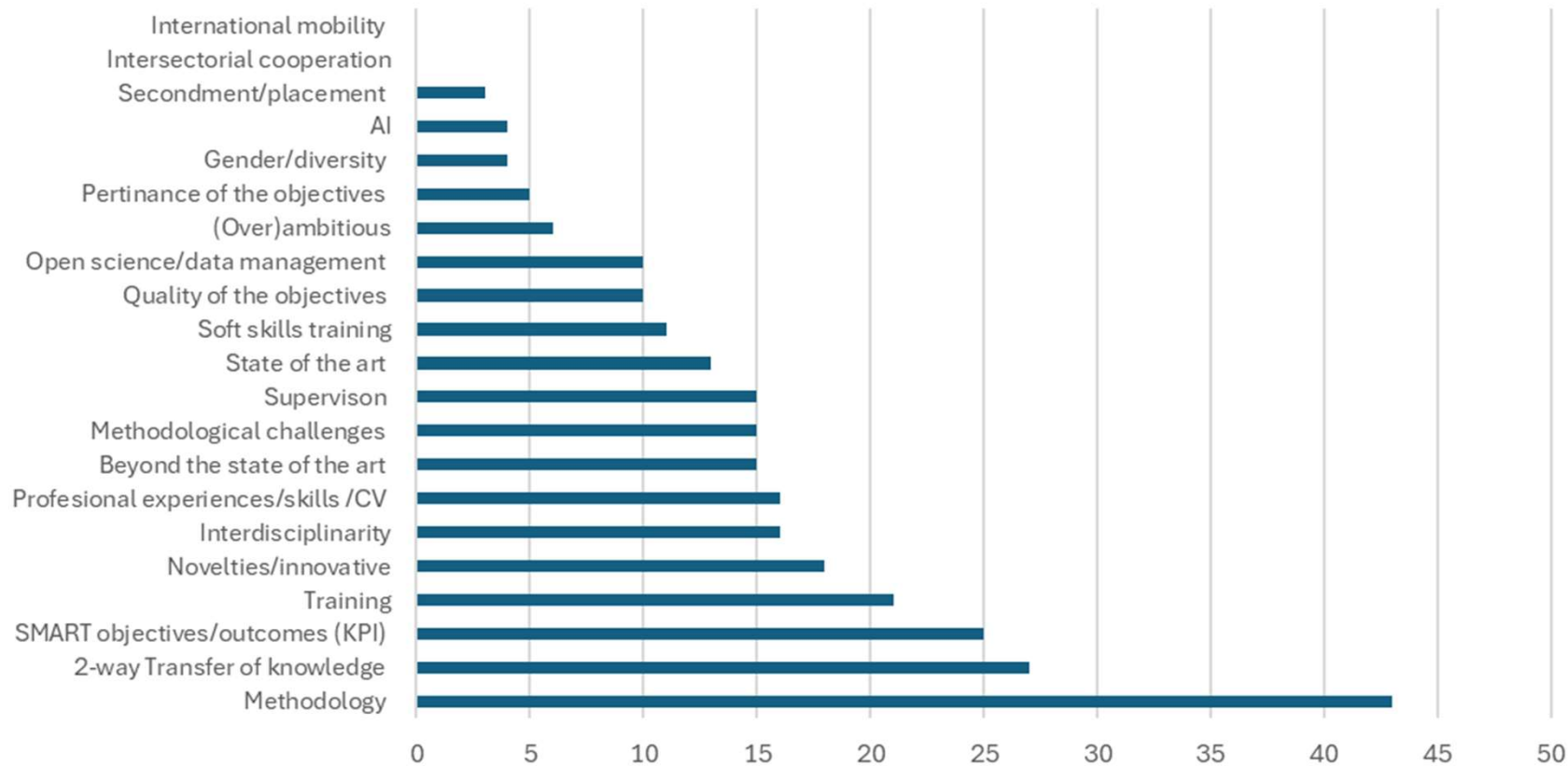


- Research and innovation objectives
- Methodology
- Supervision, training programme and knowledge transfer
- Researcher's experience and skills

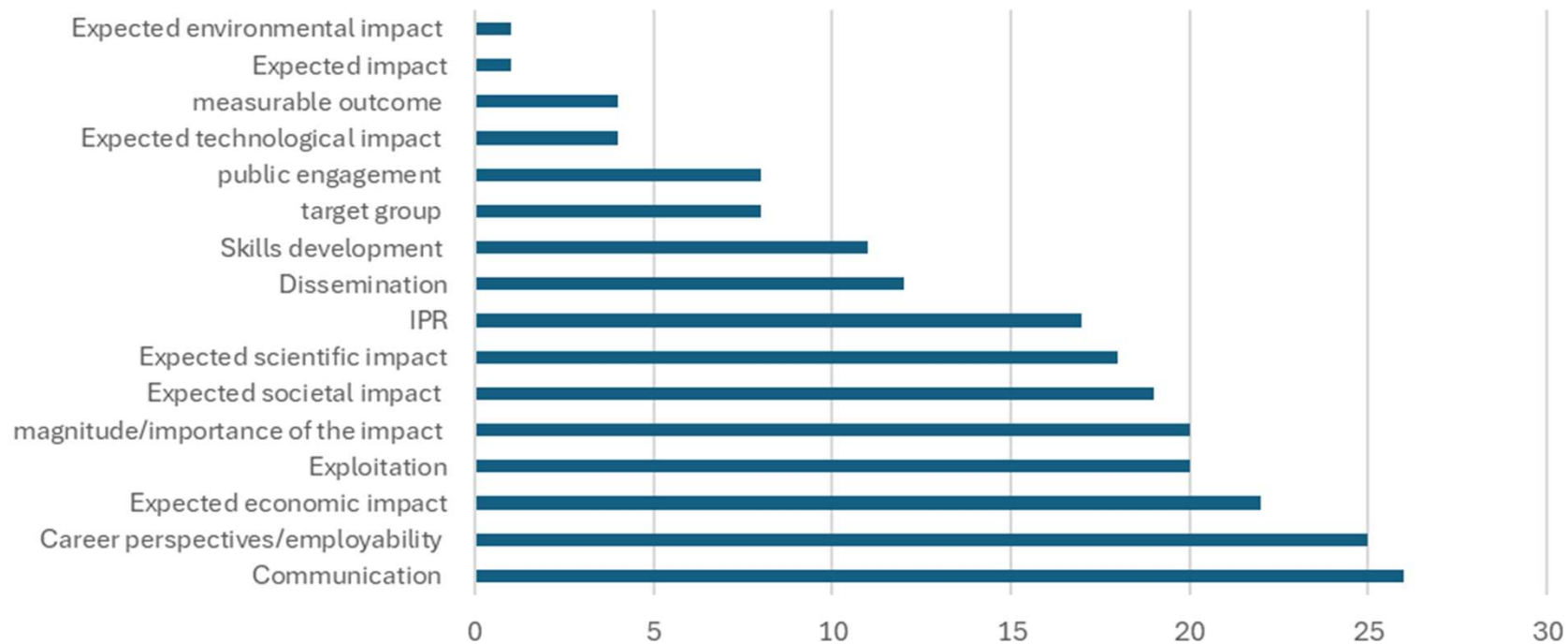
MSCA PF Success Rate



EXCELLENCE - number of weaknesses - Slo host proposals MSCA PF 24 (N=76)

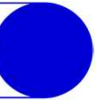


IMPACT - number of weaknesses - Slo host proposals MSCA PF 24
(N=76)



IMPLEMENTATION - number of weaknesses - Slo host proposals MSCA PF 24 (N=76)

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CORDIS - EU research results



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Home > Projects & Results > Horizon Europe > Unraveling the Photochemistry of Radiosensitizers and Radioprotectors in Free Biomolecular Complexes



Unraveling the Photochemistry of Radiosensitizers and Radioprotectors in Free Biomolecular Complexes

Fact Sheet

Reporting

Results

Objective

Dramatically increasing cancer cases around the world call for extra research efforts to improve cancer therapies. Radiation therapy or radiotherapy is one of the most common treatment methods. A way to enhance radiotherapy is inserting 'radiosensitizers (RSs)' and 'radioprotectors (RPs)' into the patient's body. RSs in tumor cells make them more sensitive to radiation damage, allowing one to use reduced radiation doses, thus minimizing side effects. In contrast, RPs inhibit the damage of healthy cells from radiation. RSs and RPs are actively studied mostly in clinical trials. However, the fundamental mechanisms causing damage or death of cancer cells are not fully understood. Therefore, this project aims at elucidating the elementary steps of radiation damage, their enhancement by RSs, and their inhibition by RPs. The technique combines beams of mixed molecular clusters and doped helium nanodroplets uniquely with synchrotron spectroscopy, electron spectroscopy, and ion mass spectrometry. The main goals are to unravel the photochemistry of selected organic RS compounds (nimorazole, NIMO, bromoadenine, WR-1065 dihydrochloride), metal ions (Mg^{2+} , Ca^{2+} , K^{+}), and gold (RS) and silver (RP) nanoparticles in the state of controlled microhydration and contact with DNA components (thymine, cytosine, tetrahydrofuran). Emission of slow electrons, water fragmentation, and anions formation are observables for radiation damage enhanced by RSs. A time-resolved experiment on the tetrahydrofuran-water complex will elucidate the ultrafast dynamics of intermolecular energy transfer causing dissociation, a mechanism recently identified to play an important role in radiation damage. A better understanding of the radiochemistry of RPs and RSs obtained with this project may help develop new schemes for efficient cancer treatment and identify new types of molecules or nanoparticles with improved RS or RP properties.

Fields of science

[natural sciences](#) > [chemical sciences](#) > [inorganic chemistry](#) > [noble gases](#)

Project Information

Photochem-RS-RP
Grant agreement ID: 101068805

DOI
[10.3030/101068805](https://doi.org/10.3030/101068805)

Project terminated on 31 July 2023

EC signature date
29 May 2022

Start date
1 July 2022

End date
30 June 2024

Funded under
Marie Skłodowska-Curie Actions (MSCA)

Total cost
No data

EU contribution
€ 230 774,40

Coordinated by
AARHUS UNIVERSITET
Denmark

[Unraveling the Photochemistry of Radiosensitizers and Radioprotectors in Free Biomolecular Complexes | Photochem-RS-RP | Project | Fact sheet | HORIZON | CORDIS | European Commission](#)

Marie Skłodowska-Curie Actions

Developing talents, advancing research

6 steps to prepare your application

1. [Get familiar with how funding works](#)
2. [Make sure you can apply](#)
3. [Find a host organisation and supervisor](#)
4. [Start drafting your application](#)
5. [Check your application with the experts](#)
6. [Send your application](#)

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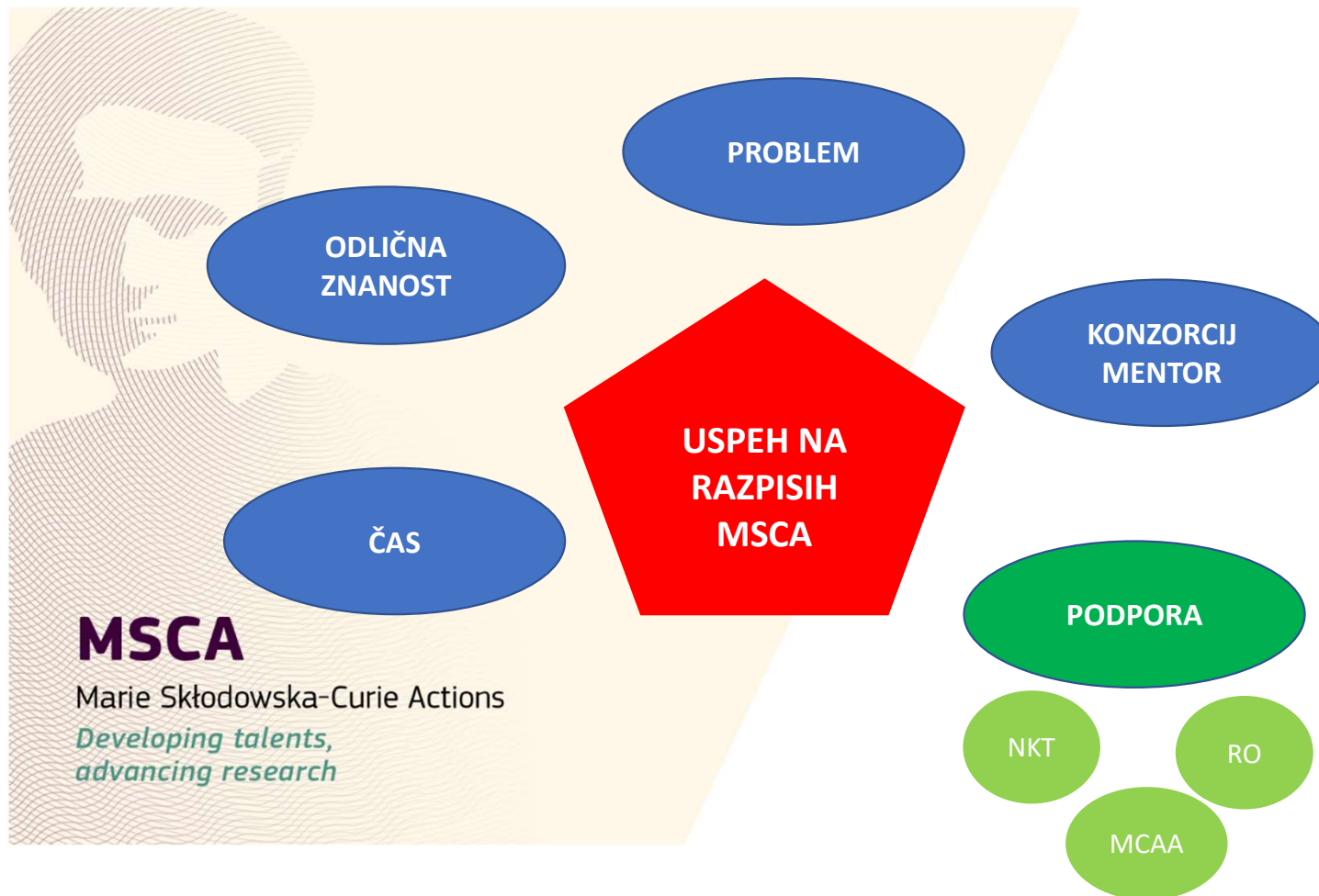


[Universidad de Alicante](#) | Posted on: 5 May 2025

MSCA Host Offer 2025 - Lexical change, Translation and ICT resources applied to Education and Teaching

Vicent Martines , Translation of Valencian classics into European languages. Comparative literary, linguistic and translation studies (VIGROB-125) , welcomes expressions of interest from Postdoctoral researchers with an excellent track record of research and

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MSCA
POSTDOCTORAL FELLOWSHIPS
HANDBOOK
CALL 2024

NETWORK OF THE MARIE SKŁODOWSKA-CURIE ACTIONS
NATIONAL CONTACT POINTS

Task 3.4	Handbooks
Issued by:	Agency for Mobility and EU Programmes (HR)
Issued date:	03 July 2024
Work Package Leader:	InnovationAuth (IL)



Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union nor European Research Executive Agency (REA). Neither the European Union nor the REA can be held responsible for them.

[MSCA PF2024 handbook-1.pdf](#)

----- Start of page count (max 10 pages) -----

[This document is tagged (see instructions). Do not delete the tags; they are needed for processing.] #APP-FORM-
HEMSCAPF@#

Part B-1

1. Excellence #REL-EVA-RE@#

1.1 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) #QUA-LIT-QL@#

At a minimum, address the following aspects:

- *Describe the quality and pertinence of the R&I objectives; are the objectives measurable and verifiable? Are they realistically achievable?*
- Explain the research context of your project and introduce your project's subject.
- Explain the importance of the research being carried out and how it addresses a challenge/priority at a global/European level.
- Describe the specific research objectives (ROs) of the project. These should give the evaluator an insight into what research will be carried out during the project and should be feasible.
- Each research objective ideally should correspond to the research work packages. For example, research objective 1 is the objective for research WP 1. Number the objectives O1, O2, O3 etc. and include the corresponding work package in brackets at the end of each objective (e.g. WP1).
- *Describe how your project goes beyond the state-of-the-art, and the extent to which the proposed work is ambitious.*
- Break the state-of-the-art (SOA) into separate short paragraphs, each focussing on a specific research objective of the project.
- For each paragraph, briefly outline the current level of knowledge in the research area and



Research Advisors in Action - NCPs Cooperation for Excellence

The central objective of the RADIANCE project is to facilitate the transnational cooperation between MSCA National Contact Points in order to achieve a consistent and harmonized level of NCP support for applicants.

The project is coordinated by Euresearch in Switzerland and is realized with 19 Beneficiaries and 6 Associated Partners from Europe and beyond.

You will find here various, useful outcomes from the project for NCPs but also researchers interested in MSCA projects.

[MSCA | Horizon Europe NCP Portal](#)





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Najlepša hvala za vašo pozornost!



MSCA

Marie Skłodowska-Curie Actions

*Developing talents,
advancing research*

Najnovejše MSCA informacije:

<https://ncpmscaslovenija.blogspot.com/>

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NACIONALNIH
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Obzorje Evropa

