

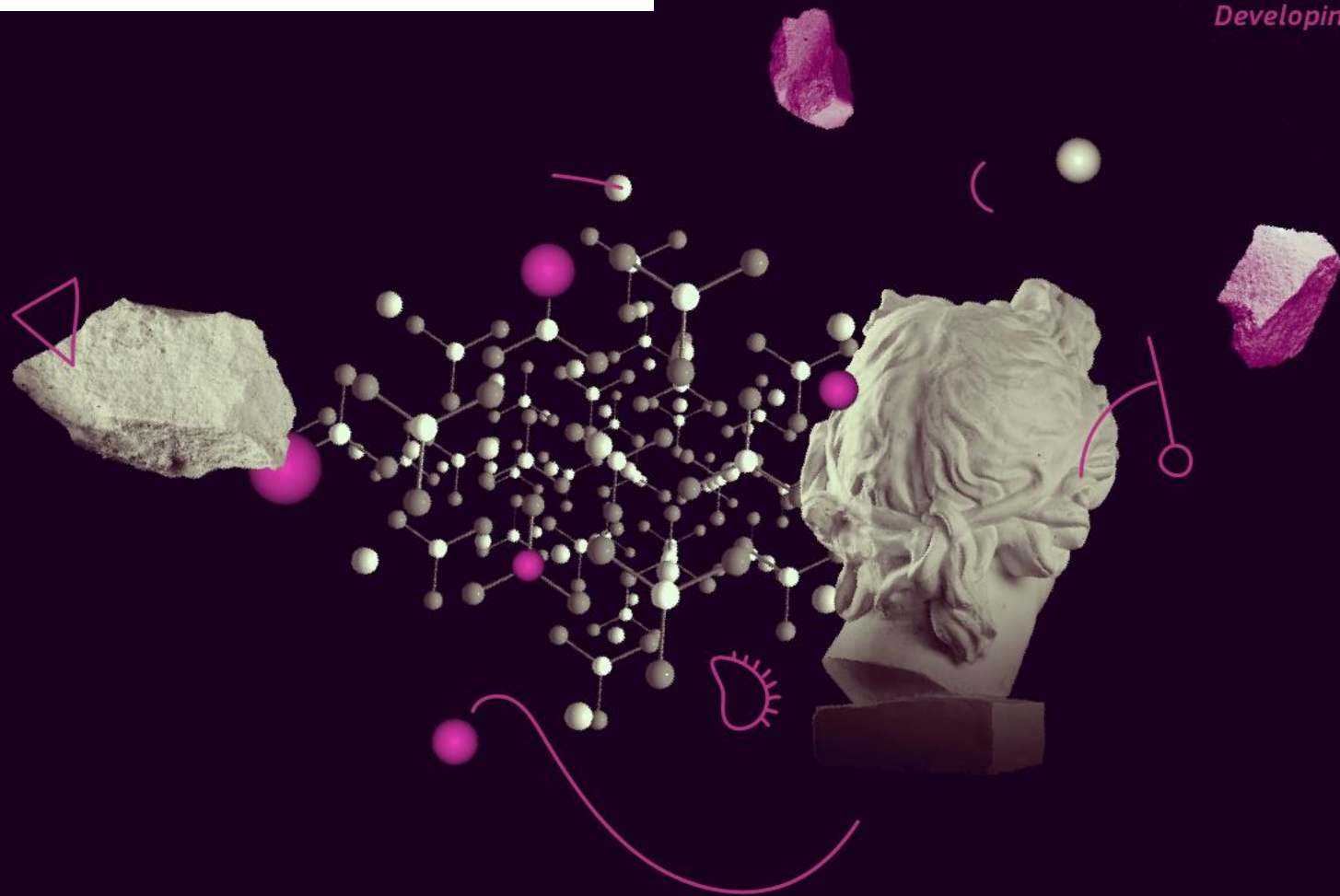


REPUBLIC OF SLOVENIA  
MINISTRY OF HIGHER EDUCATION,  
SCIENCE AND INNOVATION

**MSCA**

Marie Skłodowska-Curie Actions

*Developing talents, advancing research*



# MSCA workshop Staff Exchanges

**eUTOPIA**

Rectors' Forum of Southeast Europe and  
Western Balkans

University of Ljubljana, 21 November 2024

Dr. Stojan Sorčan, NCP MSCA



# MSCA

Marie Skłodowska-Curie Actions

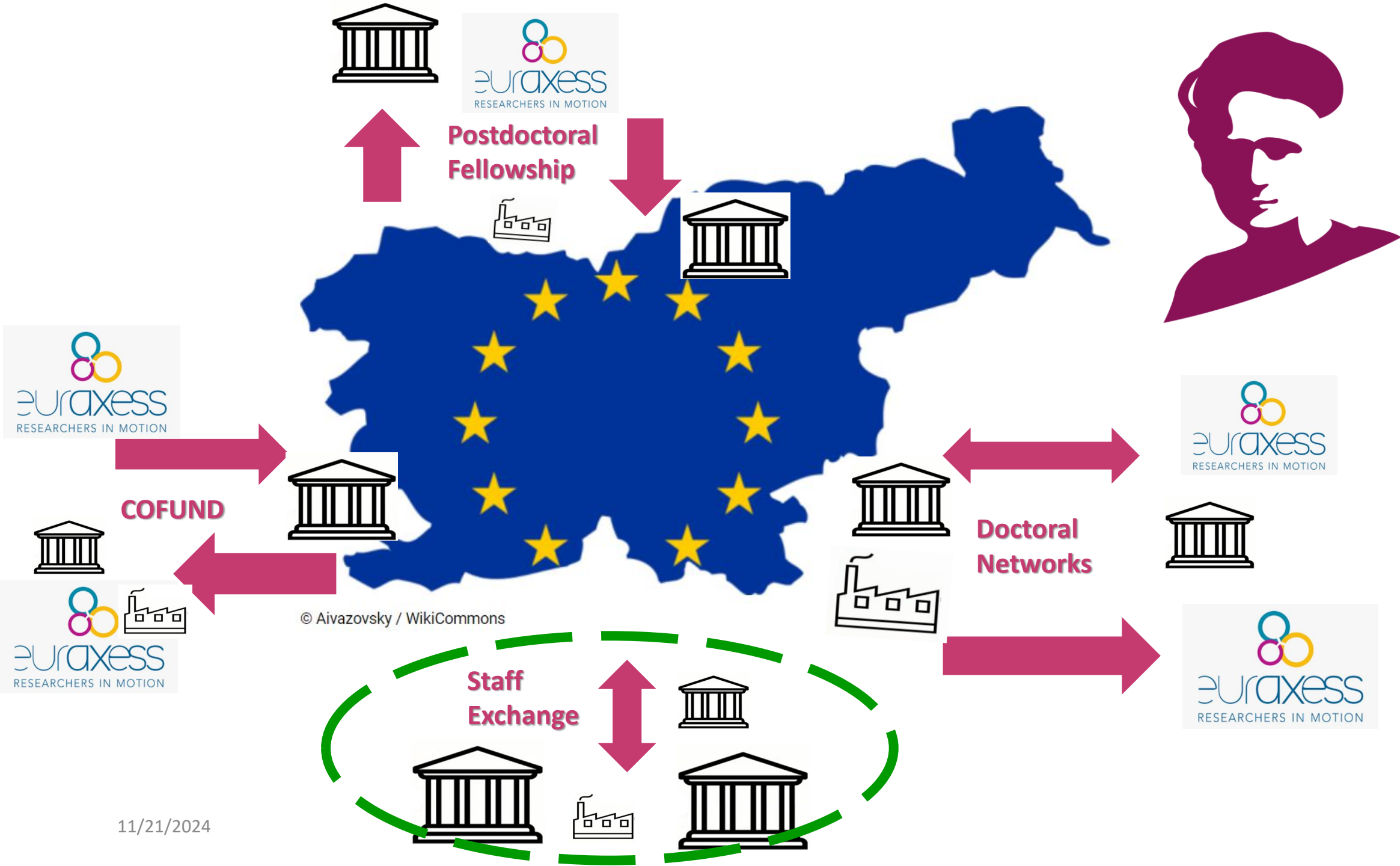
*Developing talents,  
advancing research*

11/21/2024

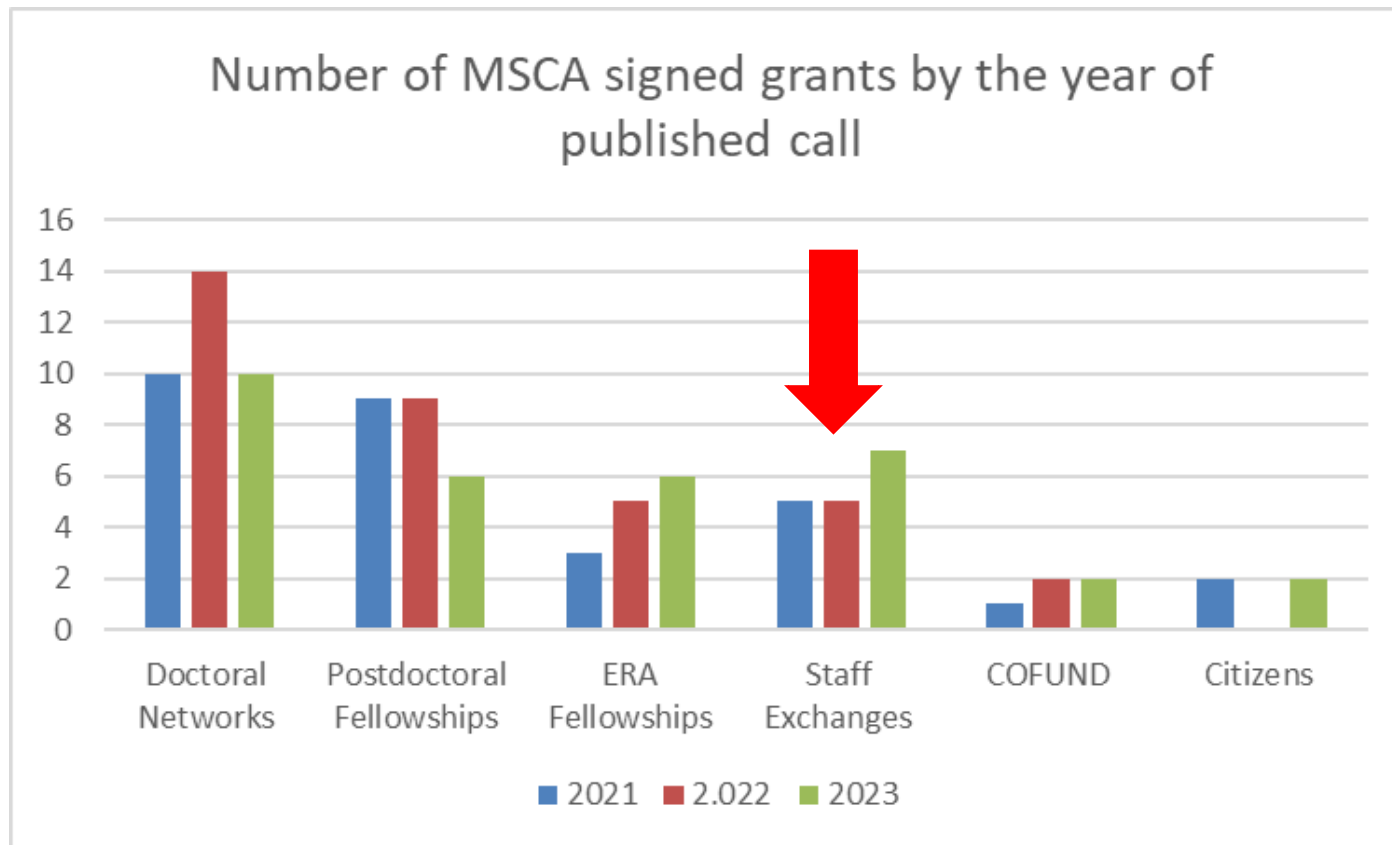
## AGENDA MSCA STAFF EXCHANGES (SE)

21 November 2024  
University of Ljubljana

1. Call for MSCA SE
2. MSCA SE key elements
  - Eligibility criteria, secondments and funding
3. Supporting materials and guidelines
4. Consortium set-up in SE
5. SE proposal structure
  - Evaluation criteria
6. Statistics
7. Questions



# Signed grants for MSCA project by type and year of published call in Slovenia



[Home](#) > [Funding](#) > [Calls for proposals](#) > [MSCA Staff Exchanges 2024](#)

# MSCA Staff Exchanges 2024

## HORIZON-MSCA-2024-SE-01-01

Topic

Call for proposal

### Internal navigation

|                            |
|----------------------------|
| General information        |
| Topic description          |
| Destination                |
| Conditions and documents   |
| Partner search announce... |
| Start submission           |
| Topic Q&As                 |

|                                                                               |                                                          |                                                                                                     |
|-------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| General information                                                           |                                                          |                                                                                                     |
| <b>Programme</b><br>Horizon Europe (HORIZON)                                  |                                                          |                                                                                                     |
| 99,5 mio EUR                                                                  |                                                          |  Budget overview |
| <b>Call</b><br>MSCA Staff Exchanges 2024 (HORIZON-MSCA-2024-SE-01)            |                                                          |                                                                                                     |
| <b>Type of action</b><br>HORIZON-TMA-MSCA-SE HORIZON TMA MSCA Staff Exchanges | <b>Type of MGA</b><br>HORIZON Unit Grant [HORIZON-AG-UN] |  Forthcoming   |
| <b>Deadline model</b><br>single-stage                                         | <b>Planned opening date</b><br>19 September 2024         | <b>Deadline date</b><br>05 February 2025 17:00:00 Brussels time                                     |

# HORIZON-MSCA-2024-SE-01-01



## MSCA Call Opening and Deadline, Indicative budget overall/per person-month

| Postdoctoral Fellowships      | Doctoral Networks             | Staff Exchange                | COFUND                                                             | MSCA and CITIZENS    |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------------------------------------------|----------------------|
| 9 Apr – 10 Sept 2025          | 28 May – 25 Nov 2025          | 27 Mar – 8 Oct 2025           | 23 Jan – 24 Jun 2025                                               | 17 Jun – 22 Oct 2025 |
| 343,65 mio EUR                | 597,8 mio EUR                 | 97,71 mio EUR                 | 105,56 mio EUR                                                     | 16,25 mio EUR        |
| per person-month<br>9.010 EUR | per person-month<br>8.180 EUR | per person-month<br>5.010 EUR | per person-month<br>DP = 3.300 EUR + ben.<br>PP = 4.700 EUR + ben. |                      |

# Staff Exchanges

## Main features



# Staff Exchanges : Funding mobility in R & I



Knowledge transfer between participating organisations

Collaboration between universities and the private sector

Different scientific disciplines

Bottom-up approach

# Eligible staff



## Seconded staff members



Any type of staff involved in R&I activities (researchers, administrative staff, managerial staff, technical staff)

Researchers at any career stage (e.g. from doctoral candidates to postdoctoral researchers)

Actively engaged in research and/or innovation activities for at least **1 month** prior at the sending institution

Each staff member is seconded for a period of **1 to 12 months** (may be split into several stays)

Staff needs to be devoted **full-time** to the action during the secondment

After the secondment, staff should **return to their sending institution**



# Added value

## Staff members



Transferable  
skills &  
competences



Employability  
& career  
prospects



Ideas  
converted  
into products,  
processes &  
services



International  
exposure



Networking &  
communication

## Organisations



Transfer of  
knowledge



Collaborative  
networks



R&I capacity

# Who can participate in MSCA-SE projects?

Consortium of min. **3 legal entities** in **3 different countries**, 2 of which in a different EU Member State or HE Associated Country

Academic sector



Non-academic sector

# Eligible consortia

MINIMAL  
CONDITIONS!

1



2



3



3 independent  
legal entities

3 different  
countries

At least 2 in different  
EU MS / AC

If same sector one  
should be TC



European  
Commission

# Eligible SE research consortia (for min of 3 entities)

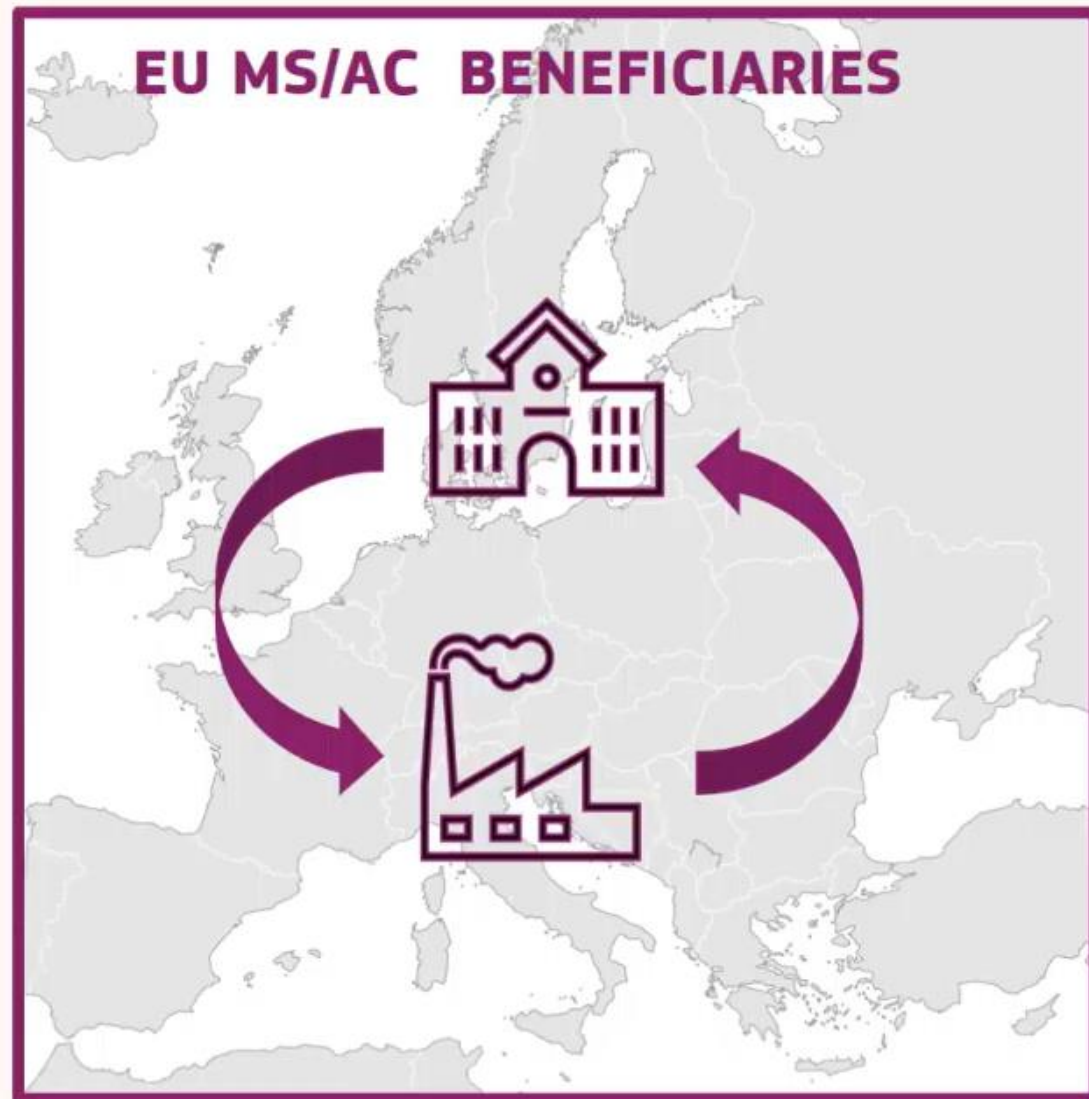
If all 3 entities are **European (MS/AC)**, one should be **from a different sector**



If all 3 entities from **same sector (e.g. academic)** one must be **located outside Europe**



# Eligible secondments in Europe & AC



**<1/3**

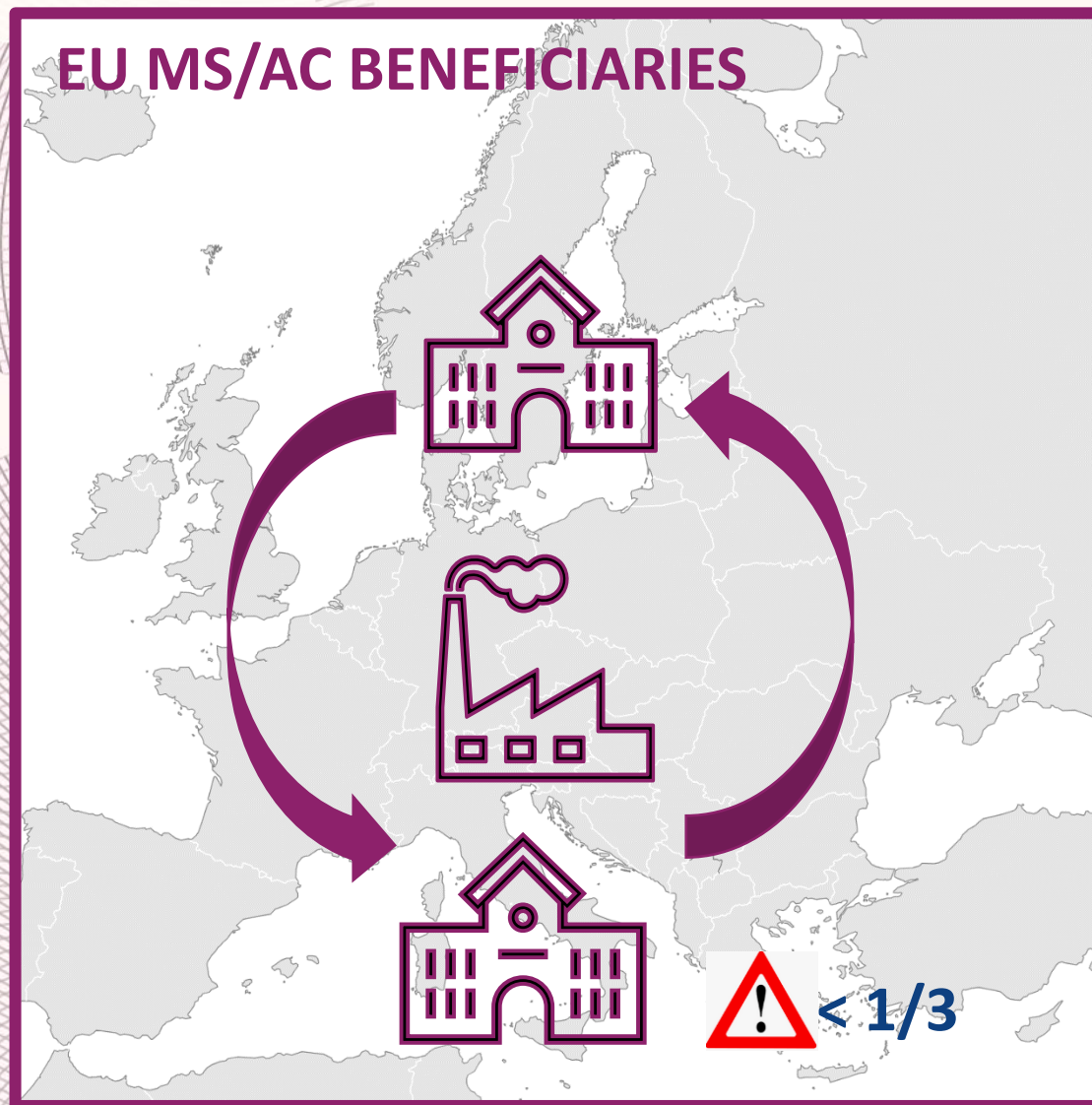
[Guidance/programme-guide horizon countries.pdf](#)

# Same-sector secondments in Europe (MS/AC)

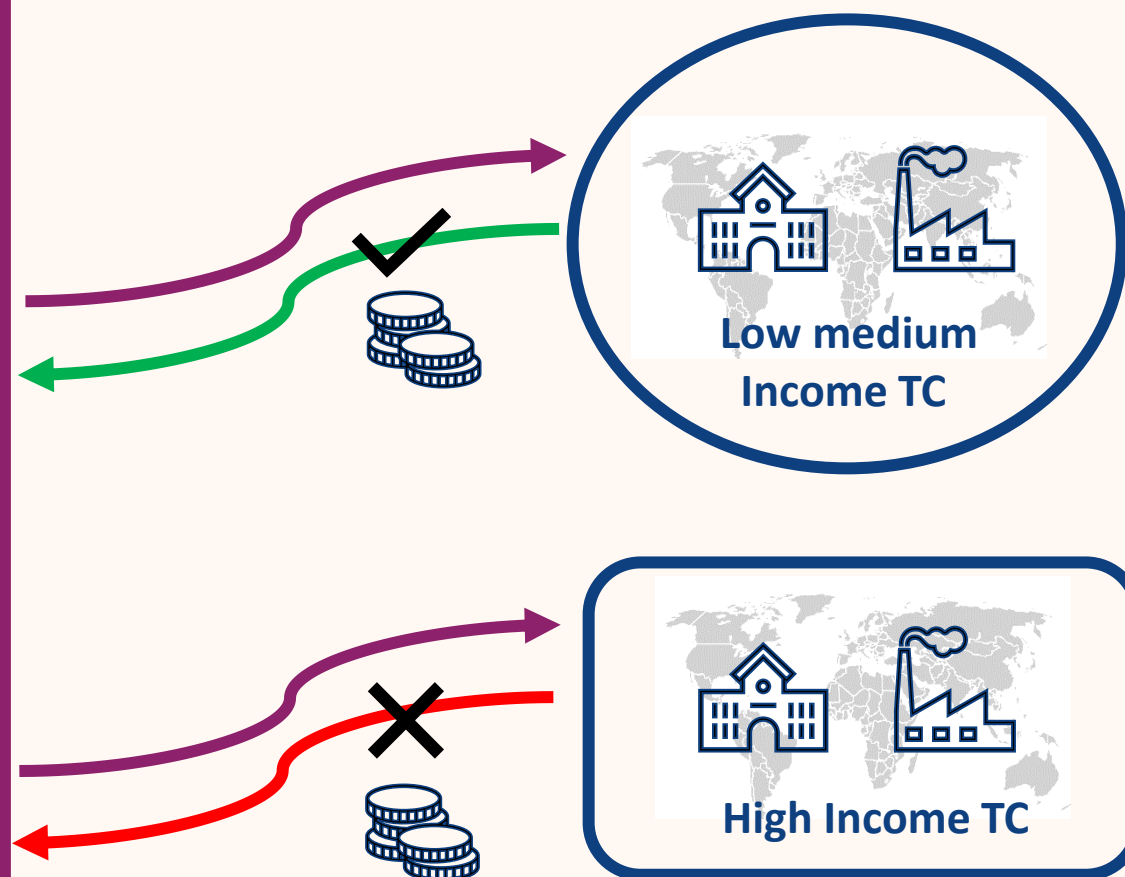
- $\leq 1/3$  of the total secondments funded by the EU, if considered *Interdisciplinary*
- Interdisciplinary secondments integrate aspects from two or more different scientific disciplines
- Important: scientific panels + descriptors/MSCA keywords from proposal form part A (see [REA Website](#))



# Eligible secondments



## TC PARTNERS



# What does Staff Exchanges fund?



# Key features



## BOTTOM UP

with different  
scientific panels



## TOP UP ALLOWANCE

**5010 €:**

2710 € - staff allowance  
2300 € - organisation



## SECONDMENTS

**1-12** months per staff

- Interdisciplinary
- Intersectoral
- International



## DURATION

**4** years

**360** person-months  
per project

# Staff Exchanges - Making a Difference



## **WORLD-WIDE**

The highest participation of non-EU countries in MSCA



## **BUSINESS PARTICIPATION**

Businesses receive an estimated 20% of the available funding



## **PATENTS**

37% of all patents in MSCA actions are generated in SE projects



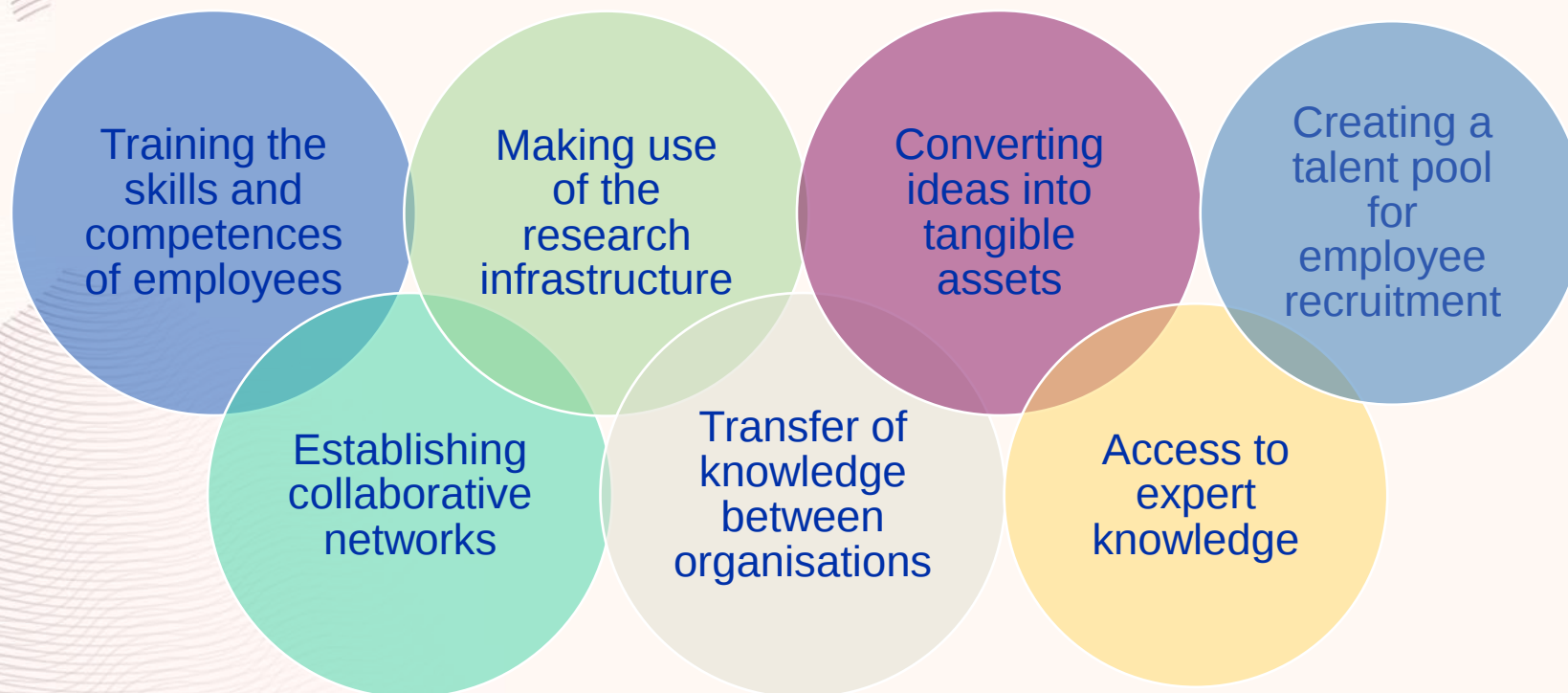
## **SUCCESS RATE**

The success rate is up to 40% depending on the discipline



European  
Commission

# How can you benefit from Staff Exchanges?





# How to prepare your MSCA Staff exchanges proposal

# How to set up a consortium



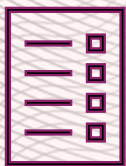
**Work** on your idea!



**Find** Partners and **brainstorm**



Bring the consortium together, **communicate**



**Gather** the info needed and **submit**

**Consider** the existence of HE Complementary funding mechanisms in third countries.





# HORIZON-MSCA-2023-SE-01-01

**European Commission**

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

[HOME](#) [SEARCH FUNDING & TENDERS](#) [HOW TO PARTICIPATE](#) [PROJECTS & RESULTS](#) [WORK AS AN EXPERT](#) [SUPPORT](#)

Search funding & tenders

**Search** [Clear all](#) [<](#)

[🔍](#)

☒ Match whole words only

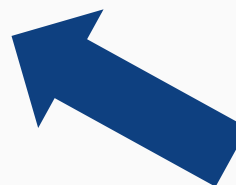
**Type**  
☒ Grants 1  
☒ Tenders

**Submission status**  
☐ ⏳ Forthcoming  
☒ 🚩 Open for submission 1  
☐ 🚫 Closed

1 item found

**MSCA Staff Exchanges 2023**  
HORIZON-MSCA-2023-SE-01-01 Call for proposal  
Horizon Europe (HORIZON)

Items per page 10



# Where to start?

**European Commission**

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

[HOME](#) [SEARCH FUNDING & TENDERS ▼](#) [HOW TO PARTICIPATE ▼](#) [PROJECTS & RESULTS](#) [WORK AS AN EXPERT](#) [SUPPORT ▼](#)

MSCA Staff Exchanges 2023  
HORIZON-MSCA-2023-SE-01-01

**Topic** Call for proposal

**Internal navigation** <

[General information](#)

[Topic description](#)

[Destination](#)

[Conditions and documents](#)

[Partner search announcements](#)

[Start submission](#)

[Topic related FAQ](#)

[Get support](#)

[Call information](#)

[Call updates](#)

**Documents**

Call documents:

Standard application form — call-specific application form is available in the Submission System

[Standard application form \(HE MSCA SE\)](#)

Standard evaluation form — will be used with the necessary adaptations

[Standard evaluation form \(HE MSCA\)](#)

MGA

[HE Unit MGA v1.0](#)

Call-specific instructions

[HE MSCA SE Guide for Applicants](#)

**Additional documents:**

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

# Reference Documents



Guide for Applicants



Proposal templates



Online manual



MSCA Work Programme & Annexes



Frequently Asked Questions



Model Grant Agreement





MSCA-NET  
STAFF EXCHANGES HANDBOOK  
CALL 2023  
Deliverable 3.8

---

NETWORK OF THE MARIE SKŁODOWSKA-CURIE ACTIONS NATIONAL CONTACT POINTS

---

|                      |                                                |
|----------------------|------------------------------------------------|
| Task 3.4             | Handbooks                                      |
| Issued by:           | Agency for Mobility and EU Programmes, Croatia |
| Issued date:         | 19 December 2023                               |
| Work Package Leader: | InnovationAuth (IL)                            |

---

# Proposal documents

## Start submission

 Need help?

To access the Electronic Submission Service, please click on the submission-button next to the **type of action** and the **type of model grant agreement** that corresponds to your proposal. You will then be asked to confirm your choice, as it cannot be changed in the submission system. Upon confirmation, you will be linked to the correct entry point.

To access existing draft proposals for this topic, please login to the Funding & Tenders Portal and select the My Proposals page of the My Area section.

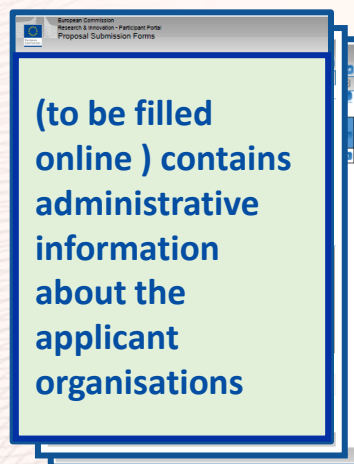
Please select the type of your submission:

☒ HORIZON TMA MSCA Staff Exchanges [HORIZON-TMA-MSCA-SE], HORIZON Unit Grant [HORIZON-AG-UN]

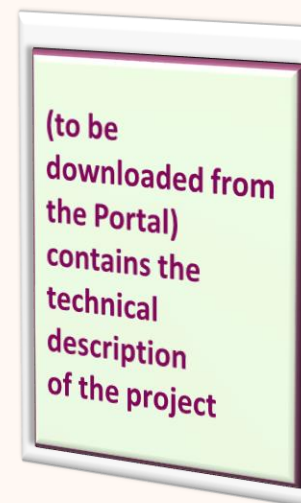
Start submission

[Apply here!](#)

## Part A (structured data)



## Part B1 and B2 (description of action)



# Proposal documents: PART A

(to be filled online ) contains administrative information about the applicant organisations

## Table of contents

1. General information
2. Participants
3. Budget
4. Ethics and security

## 1 - General information

Fields marked \* are mandatory to fill.

|       |                               |
|-------|-------------------------------|
| Topic | Type of Action                |
| Call  | Type of Model Grant Agreement |

Acronym

Proposal title *Max 200 characters (with spaces). Must be understandable for non-specialists in your field.*

Note that for technical reasons, the following characters are not accepted in the Proposal Title and will be removed: < > " &

Duration in months *Estimated duration of the project in full months.*

Panel

Please select up to 5 descriptors (and at least 3) that best characterise the subject of your proposal, in descending order of relevance. Note that descriptors will be used to support REA services in identifying the best qualified evaluators for your proposal.

Descriptor1

Free keywords *Enter any words you think give extra detail of the scope of your proposal (max 200 characters with spaces).*



European  
Commission

# The scientific panels



Chemistry (CHE)



Social Sciences and Humanities (SOC)



Economic Sciences (ECO)



Information Science and Engineering (ENG)



Environment and Geo-Sciences (ENV)



Life Sciences (LIF)



Mathematics (MAT), and



Physics (PHY)

# Proposal documents: PART A

(to be filled online ) contains administrative information about the applicant organisations

Table of contents

- 1. General information
- 2. Participants
- 3. Budget
- 4. Ethics and security

Application forms

Proposal ID  
Acronym

2 - Participants

List of participating organisations

| # | Participating Organisation Legal Name |
|---|---------------------------------------|
| 1 |                                       |

Application forms

Proposal ID  
Acronym Acronym is mandatory  
Short name

Organisation data

|             |            |
|-------------|------------|
| PIC         | Legal name |
| Short name: |            |
| Address     |            |

Application forms

Proposal ID  
Acronym Acronym is mandatory  
Short name

Researchers involved in the proposal

| Title | First Name | Last Name | Gender | Nationality | E-mail | Career Stage | Role of researcher (in the project) | Reference Identifier | Type of identifier |
|-------|------------|-----------|--------|-------------|--------|--------------|-------------------------------------|----------------------|--------------------|
|       |            |           |        |             |        |              |                                     |                      |                    |

| Participant number | Organisation short name | Role | Country | Academic sector | IO | No of seconded researchers | Number of person months | Contributions for seconded researchers | Institutional contributions             |                               | Total   |
|--------------------|-------------------------|------|---------|-----------------|----|----------------------------|-------------------------|----------------------------------------|-----------------------------------------|-------------------------------|---------|
|                    |                         |      |         |                 |    |                            |                         | Staff Member Unit Costs                | Research, training and networking costs | Management and indirect costs |         |
| 1                  | A                       | COO  | GR      | No              | No | 13                         | 80                      | 184000                                 | 104000                                  | 80000                         | 368000  |
| 2                  | B                       | BEN  | CY      | No              | No | 10                         | 68                      | 156400                                 | 88400                                   | 68000                         | 312800  |
| 3                  | C                       | BEN  | IT      | YES             | No | 10                         | 78                      | 179400                                 | 101400                                  | 78000                         | 358800  |
| 4                  | D                       | BEN  | FR      | YES             | No | 10                         | 50                      | 115000                                 | 65000                                   | 50000                         | 230000  |
| 5                  | E                       | BEN  | BE      | No              | No | 4                          | 20                      | 46000                                  | 26000                                   | 20000                         | 92000   |
| 6                  | F                       | AP   | JP      | YES             | No | 0                          | 0                       | 0                                      | 0                                       | 0                             | 0       |
| 7                  | G                       | AP   | AR      | No              | No | 3                          | 30                      | 69000                                  | 39000                                   | 30000                         | 138000  |
| Total              |                         |      |         |                 |    | 40                         | 326                     | 749800                                 | 423800                                  | 326000                        | 1499600 |

# Proposal documents: PART B



PART B1

PART B2

**START PAGE COUNT – MAX 30 PAGES**

**STOP PAGE COUNT – MAX 30 PAGES (SECTIONS 1-3)**

Table 6– Data for non-academic beneficiaries

| Name | Location of research premises (city/country) | Type of R&I activities | No. of full - time employees involved in the project | No. of employees in R&I | Web site | Annual turnover (approx. in Euro) |
|------|----------------------------------------------|------------------------|------------------------------------------------------|-------------------------|----------|-----------------------------------|
|      |                                              |                        |                                                      |                         |          |                                   |
|      |                                              |                        |                                                      |                         |          |                                   |

Table 7 – Organisations (Beneficiaries and Associated partners) data

| Beneficiary ( <u>organisations</u> in EU MS/AC) legal name                                         |                                                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General description                                                                                |                                                                                                                                                                                                                                                                             |
| Role and profile of key people                                                                     | Include names, qualifications of the person(s) supervising the action.                                                                                                                                                                                                      |
| Key Research Facilities, Infrastructure and Equipment                                              | Demonstrate that the team has sufficient resources to offer a suitable environment to seconded staff and to contribute significantly to the research/innovation activities proposed.                                                                                        |
| Independent research premises?                                                                     | Please explain the status of the beneficiary's research facilities – <u>i.e.</u> are they owned by the beneficiary or rented by it? Are its research premises wholly independent from other beneficiaries and/or associated partner <u>organisations</u> in the consortium? |
| Previous Involvement in Research and innovation actions                                            | Describe relevant research/ innovation actions in which the <u>organisation</u> took part                                                                                                                                                                                   |
| Current involvement in Research and Innovation actions                                             | Describe relevant research/ innovation actions in which the <u>organisation</u> is currently participating                                                                                                                                                                  |
| Publications and/or research/ datasets/ <u>softwares</u> / innovation products/ other achievements | Max 5 key elements of the achievement, including a short qualitative assessment of its impact and (where available) its digital object identifier (DOI) or other type of persistent identifier (PID). Publications, in particular journal articles, are expected to be open |



European  
Commission

# Evaluation criteria



**EXCELLENCE  
(50%)**



**IMPACT  
(30%)**



**QUALITY AND  
EFFICIENCY OF  
IMPLEMENTATION  
(20%)**



European  
Commission

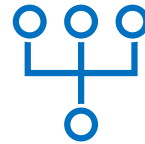
# Evaluation criteria

| Excellence                                                                                                                                                                           | Impact                                                                                                                                                                                                                                         | Quality and efficiency of the implementation                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quality and pertinence of the project's <b>research and innovation objectives</b> (and the extent to which they are ambitious, and go beyond the state of the art)                   | Developing new and lasting <b>research collaborations</b> , achieving <b>transfer of knowledge</b> between participating organisations and contributing to improving <b>research and innovation potential</b> at the European and global level | Quality and effectiveness of the <b>work plan</b> , assessment of <b>risks</b> , and appropriateness of the effort assigned to work packages                                |
| Soundness of the <b>proposed methodology</b> (including i3 approaches, consideration of the gender dimension and other diversity aspects, and the quality of open science practices) | Credibility of the measures to enhance the <b>career perspectives</b> of staff members and contribution to their <b>skills development</b>                                                                                                     | Quality, capacity and role of each participant, including <b>hosting arrangements</b> and extent to which the consortium as a whole brings together the necessary expertise |
| Quality of the proposed <b>interaction between the participating organisations</b> in light of the research and innovation objectives                                                | Suitability and quality of the measures to <b>maximise expected outcomes and impacts</b> , as set out in the dissemination and exploitation plan, including communication activities                                                           |                                                                                                                                                                             |
|                                                                                                                                                                                      | The magnitude and importance of the project's contribution to the expected <b>scientific, societal and economic impacts</b>                                                                                                                    |                                                                                                                                                                             |
| 50%                                                                                                                                                                                  | 30%                                                                                                                                                                                                                                            | 20%                                                                                                                                                                         |

# 1. Elements of EXCELLENCE criteria



Objectives



3i



Interactions



State-of-the-art



Gender/diversity

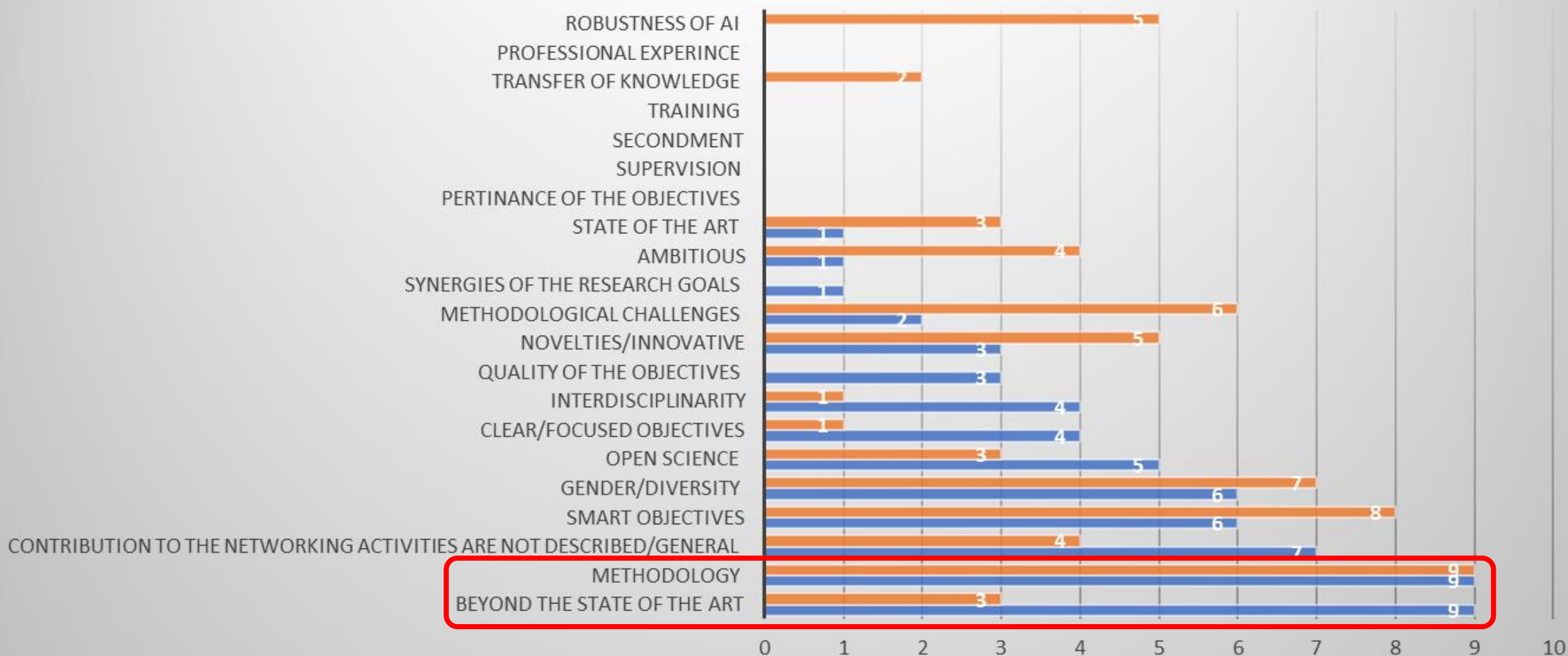


Methodology



Open Science

# Število negativnih evalvacijskih komentarjev za slovenske prijavitelje MSCA SE v zadnjih treh razpisih (2021 in 22 = 21 projektov, 2023 = 26 projektov) pri kriteriju "Excellence"



# What should an excellent project objective look like?

- Relevant to Research and Innovation Goals
- Scientifically Ambitious
- Innovative and Original
- Interdisciplinary
- Are the gender dimension and other diversity aspects relevant?
- Are the mandatory open science practices well integrated in the methodology?
- Research data and other research outputs in line with the FAIR principles?
- Use of AI relevant to the project?

## 2. Elements of IMPACT criteria



Collaboration



Career  
perspectives



Communication



Transfer of  
knowledge



Dissemination



Impact

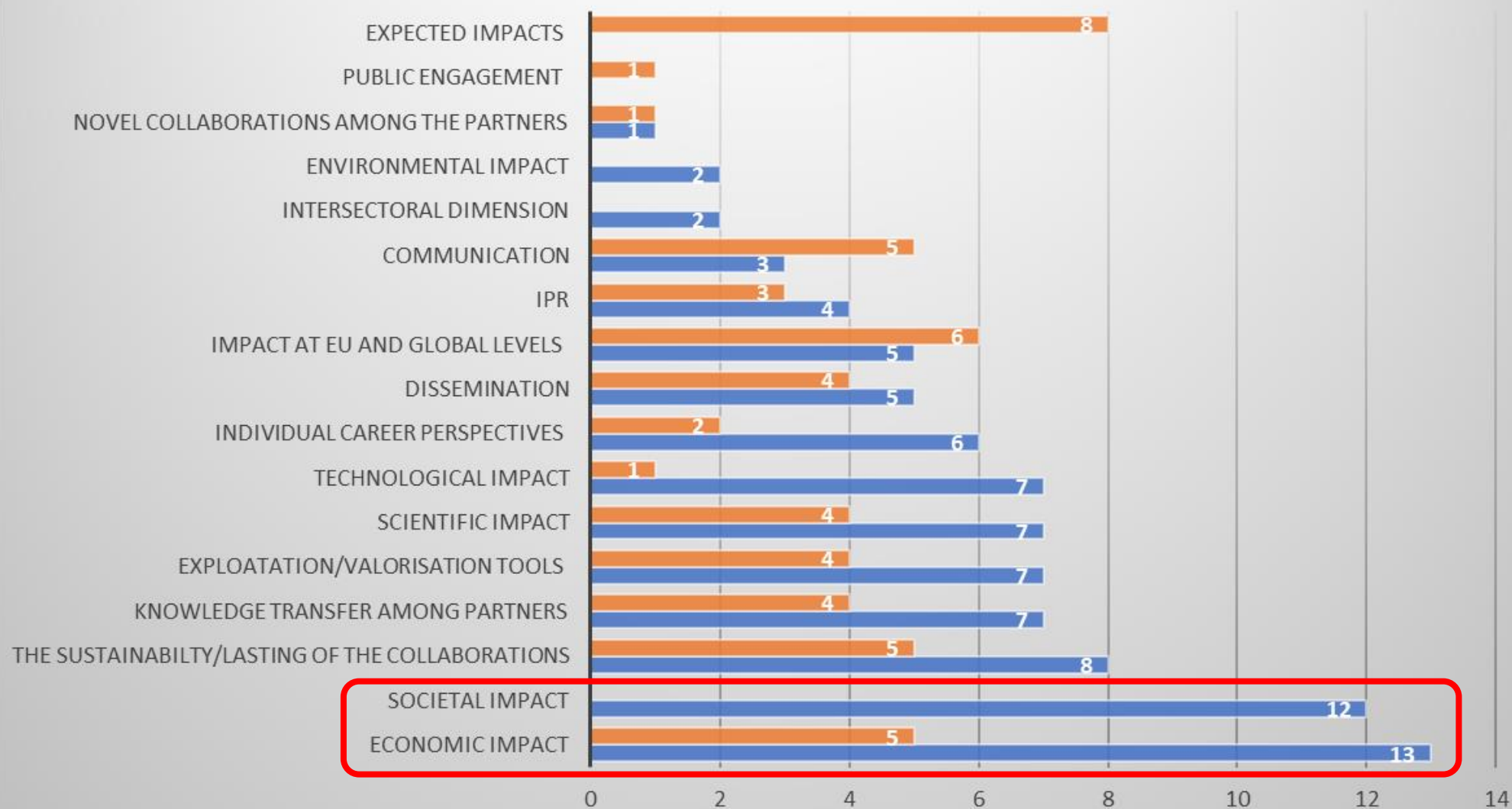


EU/global



Exploitation

**Število negativnih evalvacijskih komentarjev za slovenske prijavitelje MSCA SE v zadnjih treh razpisih (2021 in 22 = 21 projektov, 2023 = 19 projektov pri kriteriju "Impact")**



# How to enhance the description of economic and social impacts?

A successful MSCA Staff Exchanges proposal should:

- Foster long-lasting research collaborations
- Promote knowledge exchange among participants
- Enhance European and global research potential
- Empower individuals for career growth
- Maximize impact through a strategic dissemination plan
- Manage intellectual property effectively
- Demonstrate lasting scientific, economic, technological, and societal impacts

### 3. Elements of IMPLEMENTATION criteria



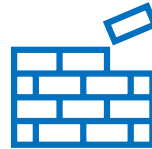
Work plan



Hosting  
arrangments



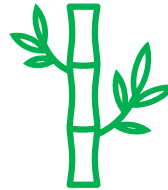
Risks



Complementarity

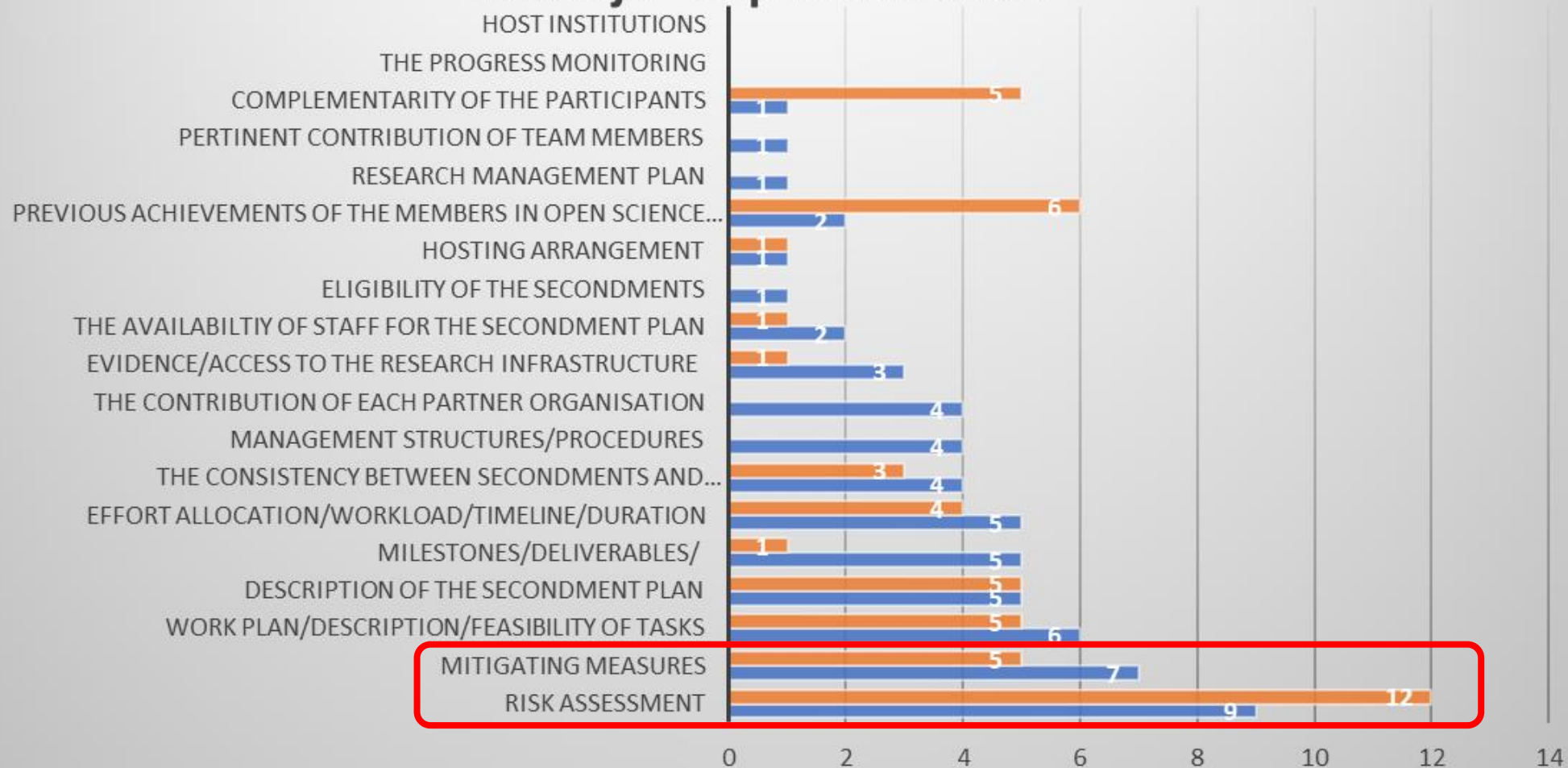


Timing



Environment

# Število negativnih evalvacijskih komentarjev za slovenske prijavitelje MSCA SE v zadnjih treh razpisih (2021 in 22 = 21 projektov, 2023 = 19 projektov pri kriteriju "Implementation"



# What are the expectations of evaluators regarding risk assessment?

- Effective risk assessment is critical in project proposals, showcasing understanding of challenges.
- Clear identification of risks and well-defined mitigation plans are imperative.
- Specific examples: mitigating funding risks for third-country partners and addressing participant withdrawal.
- Enhancements like Partnership Agreements and knowledge transfer secure projects and mitigate risks effectively.

# How to find partners?



NETWORKING  
EVENTS  
(CONFERENCES,  
WORKSHOPS, ETC.)



FORMER OR  
CURRENT  
COLLABORATIONS



JOINT  
PROJECTS



FUNDING AND  
TENDER  
OPPORTUNITIES  
PORTAL



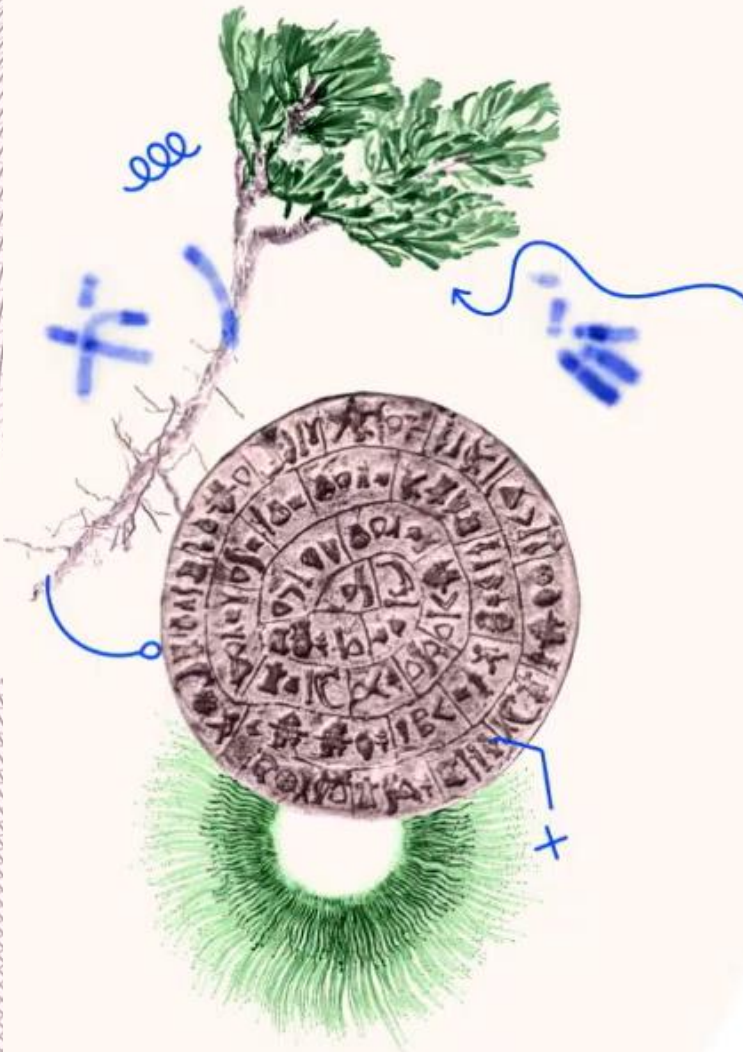
MSCA  
MATCHMAKING  
PLATFORM



EUROPEAN  
ENTERPRISE  
NETWORK



NATIONAL  
CONTACT  
POINT



# How to find partners F&T opportunities

The image shows a screenshot of the EU Funding & Tenders Portal. The top navigation bar includes links for Home, Funding, Procurement, Projects & results, News & events, and Work as an expert. A left-hand menu lists various options: Calls for proposals, Participant register, Partner search (highlighted with a red circle and arrow), EU programmes, Funding updates, and Horizon4Ukraine. The main content area is titled 'Partner search' and shows '10000+ item(s) found'. It includes a search bar, filters for 'Match whole words only', 'Type', 'Horizon Europe (HORIZON)', 'Topic', 'Country', and 'All filters'. A warning message states: 'There are more than 10000 results, please refine your search criteria.' Below this, two search results are displayed: 'INAGROPEC SOCIEDAD LIMITADA' (Private for profit organisation, ZARAGOZA, Spain) and 'SYNYO GmbH' (Small or medium-size enterprise, WIEN, Austria). Both results have an 'Organisation' button next to them. The bottom of the page features the European Commission logo and an 'Activate Windows' watermark.

European Commission | EU Funding & Tenders Portal

Home Funding Procurement Projects & results News & events Work as an expert

Calls for proposals

Participant register

Partner search

EU programmes

Funding updates

Horizon4Ukraine

Discover the funding & tenders opportunities

European Commission | EU Funding & Tenders Portal

Home Funding Procurement Projects & results News & events Work as an expert Guidance & documents

Home > Funding > Partner search

Partner search

Filters

10000+ item(s) found

Quick search

Select...

☒ Match whole words only

Type

Horizon Europe (HORIZON)

Topic

Country

All filters

There are more than 10000 results, please refine your search criteria.

Programme Horizon Europe (HORIZON)

INAGROPEC SOCIEDAD LIMITADA

Private for profit organisation

ZARAGOZA | Spain

Projects: 0 | Partner search announcements: 14

SYNYO GmbH

Small or medium-size enterprise

WIEN | Austria

Organisation

Organisation

Activate Windows

Go to Settings to activate Windows.

European Commission

# Synergies between MSCA SE and other grants

## A synergetic MSCA SE project



Travel



Accommodation



Subsistence



Management costs related to the SE project

## Another grant



# Tips and tricks

## **Closely follow the call requirements**

Be in line with the action's objectives and expected outcomes

## **Follow available guidelines**

Use the structure provided in the template and address all the evaluation criteria

## **Highlight the EU dimension**

Show that your proposal addresses EU policy priorities and/or societal challenges

## **Get a second opinion**

Have your proposal proof-read by a colleague and pre-screened by your NCP

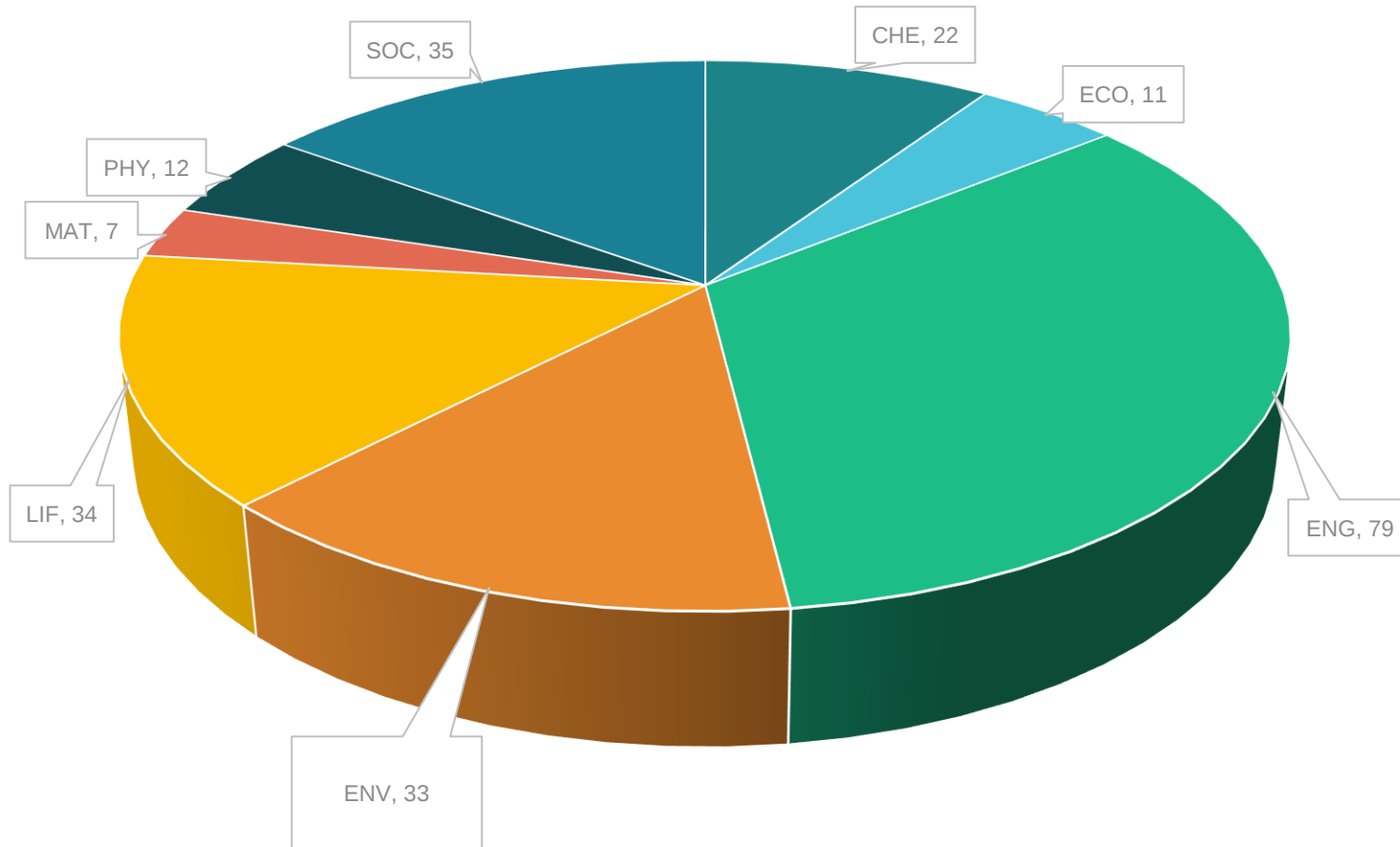
## **Sustainability of collaboration**

Describe the benefits of cooperation and how they can go beyond this project

## **Contact your National Contact Point (NCP)**

# SE 2023 call

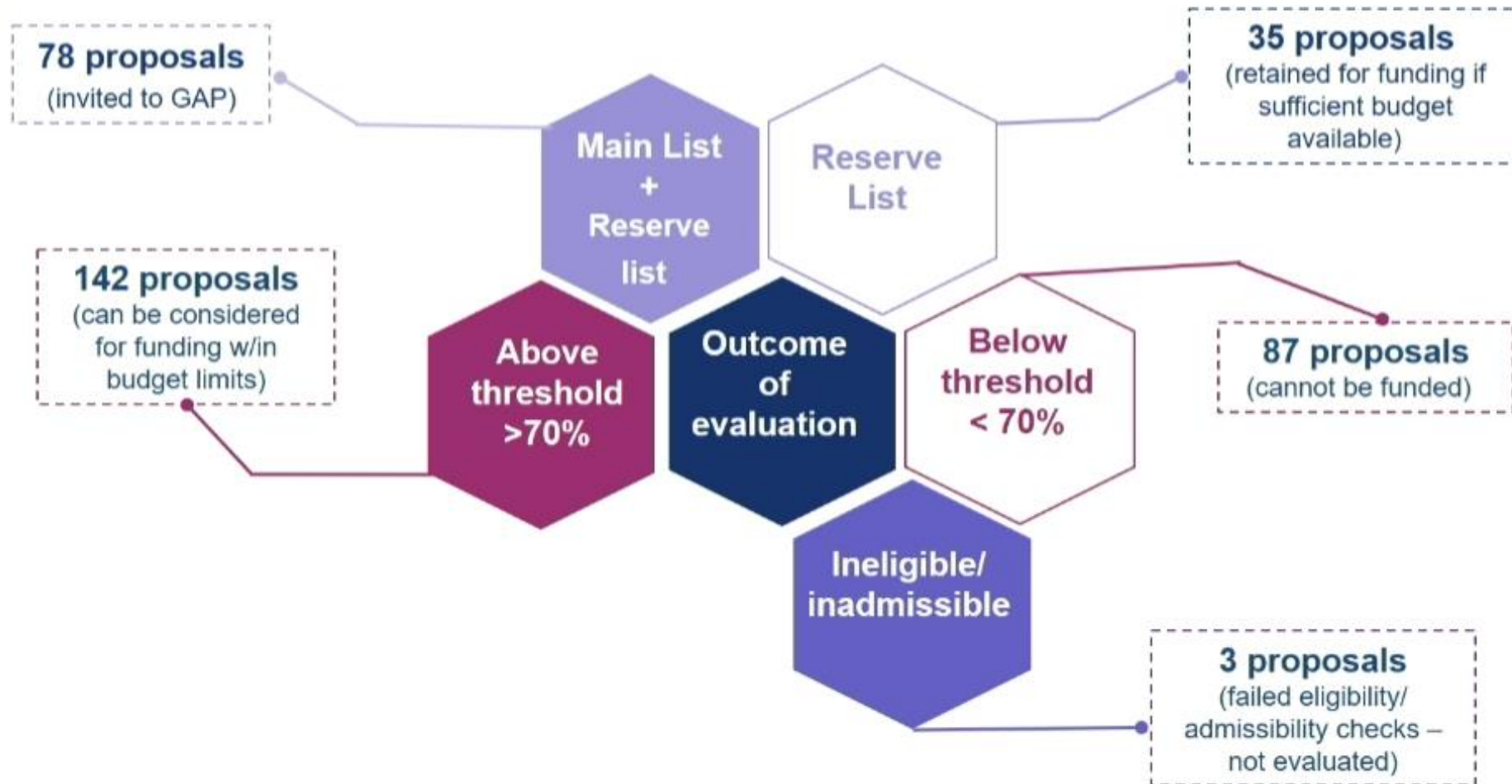
## Submitted proposals per panel



| PANEL | Proposals | %    |
|-------|-----------|------|
| CHE   | 22        | 9%   |
| ECO   | 11        | 5%   |
| ENG   | 79        | 34%  |
| ENV   | 33        | 14%  |
| LIF   | 34        | 15%  |
| MAT   | 7         | 3%   |
| PHY   | 12        | 5%   |
| SOC   | 35        | 15%  |
|       | 233       | 100% |

# SE 2023 call

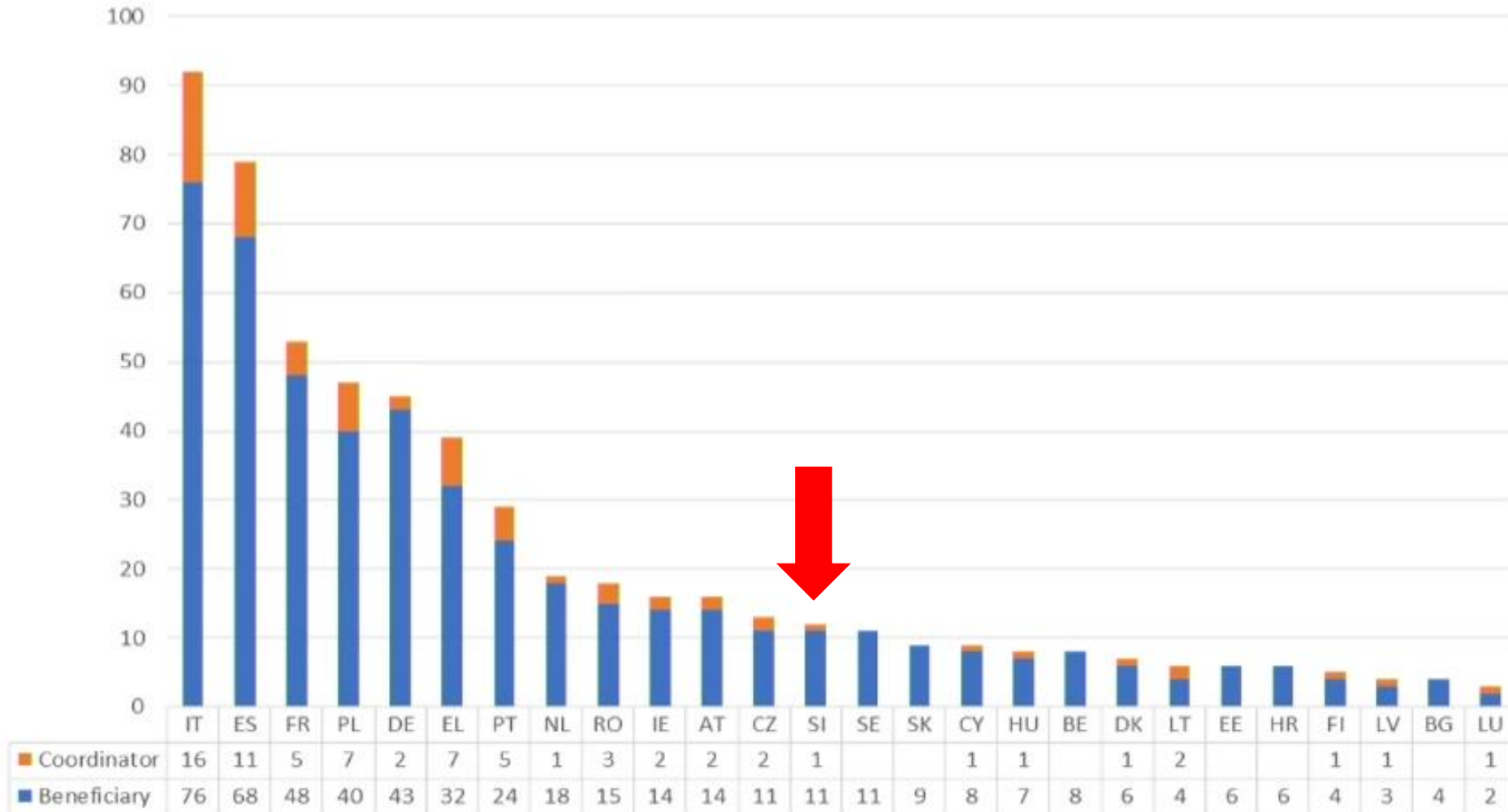
## Evaluation results



# SE 2023 call

## MS participation by role

MS in Main List + Reserve List - Roles - SE 2023



## CORDIS - EU research results

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## Dynamical Systems and Reaction Kinetics Networks

Fact Sheet

## Objective

The primary goal of the project is to advance the theory of dynamical systems governed by differential equations with multiple parameters, leveraging this enriched understanding to dissect mathematical models that mirror real-world phenomena and processes. Our exploration will span both qualitative and quantitative attributes of these systems, including their general structure, solution properties, bifurcations, stability etc. In a practical application of our theoretical insights and computational techniques, we will delve into the analysis of certain biochemical networks, with a focus on those integral to reaction kinetics. Employing a synergistic approach that melds symbolic and numerical computation, we aim to enhance the analysis of stability and bifurcations within intricate biochemical systems. This will be achieved by developing bespoke symbolic-numeric tools designed to uncover instances of multi-stability and bifurcations. Our qualitative and computational evaluations will serve dual purposes: elucidating established biological phenomena and forecasting emergent ones. Additionally our research will extend to the emphasizing parameter estimation and the resolution of control dilemmas for biomedical applications. We will explore novel territories of positive and impulsive control, areas currently lightly tread in existing literature. This project is inherently interdisciplinary, seeking to fuse and expand upon the methodologies from mathematics, applied mathematics and reaction kinetics, alongside the computational algorithms of symbolic computation. Incorporating the principles of the Green Charter, our research will also emphasize sustainable practices and the development of simulations aimed at addressing and mitigating environmental impacts associated with the processes under study. Furthermore, this endeavor promises substantial training opportunities for early-stage researchers, fostering an environment conducive to learning and innovation.

Fields of science

## Project Information

DSYREKI

Grant agreement ID: 101183111

DOI

[10.3030/101183111](https://doi.org/10.3030/101183111)

EC signature date

16 August 2024

Start date

1 September 2024

End date

31 August 2028

Funded under

Marie Skłodowska-Curie Actions (MSCA)

Total cost

No data

EU contribution

€ 326 600,00

Coordinated by

UNIVERZA V MARIBORU

 Slovenia

Participants (9)

| Sort alphabetically ↕                                                              | Sort by Net EU contribution ↕                                                                                                                                        | Expand all                           |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
|    | CENTER ZA UPORABNO MATEMATIKO IN TEORETICNO FIZIKO UNIVERZE V MARIBORU<br> Slovenia | Net EU contribution<br>€ 46 000,00 ▼ |
|    | BUDAPESTI MUSZAKI ES GAZDA SAGTUDOMANYI EGYETEM<br> Hungary                         | Net EU contribution<br>€ 27 600,00 ▼ |
|    | CONSIGLIO NAZIONALE DELLE RICERCHE<br> Italy                                        | Net EU contribution<br>€ 27 600,00 ▼ |
|    | Hochschule für Technik und Wirtschaft Berlin<br> Germany                            | Net EU contribution<br>€ 27 600,00 ▼ |
|    | MEDIZINISCHE UNIVERSITAET WIEN<br> Austria                                          | Net EU contribution<br>€ 32 200,00 ▼ |
|    | PIRI REIS UNIVERSITESI<br> Türkiye                                                  | Net EU contribution<br>€ 27 600,00 ▼ |
|    | YEDITEPE UNIVERSITY VAKIF<br> Türkiye                                               | Net EU contribution<br>€ 27 600,00 ▼ |
|    | UNIVERSITATEA DIN CRAIOVA<br> Romania                                             | Net EU contribution<br>€ 27 600,00 ▼ |
|  | SVEUCILISTE U ZAGREBU FAKULTET ELEKTROTEHNIKE I RACUNARSTVA<br> Croatia           | Net EU contribution<br>€ 36 800,00 ▼ |

Partners (6)

| Sort alphabetically ↕                                                                                                                                                                     | Sort by Net EU contribution ↕                                                                                                                          | Expand all                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| <br>PARTNER<br>     | SICHUAN UNIVERSITY<br> China                                        | Net EU contribution<br>€ 0,00 ▼ |
| <br>PARTNER<br>     | SHANGHAI JIAO TONG UNIVERSITY<br> China                             | Net EU contribution<br>€ 0,00 ▼ |
| <br>PARTNER<br>     | UNIVERSIDADE DE SAO PAULO<br> Brazil                                | Net EU contribution<br>€ 0,00 ▼ |
| <br>PARTNER<br>     | Board of Trustees of Northern Illinois University<br> United States | Net EU contribution<br>€ 0,00 ▼ |
| <br>PARTNER<br>     | OBUDAI EGYETEM<br> Hungary                                          | Net EU contribution<br>€ 0,00 ▼ |
| <br>PARTNER<br> | FACULTY OF SCIENCE UNIVERSITY OF ZAGREB<br> Croatia               | Net EU contribution<br>€ 0,00 ▼ |



**MSCA**

Marie Skłodowska-Curie Actions

*Developing talents,  
advancing research*

STATE OF THE  
ART

IDEA

CONSORTIUM  
&  
SUPERVISOR(S)

TIME

Success in the  
MSCA call for  
proposals

SUPPORT

HOST

NCP

## Proposal preparation effort

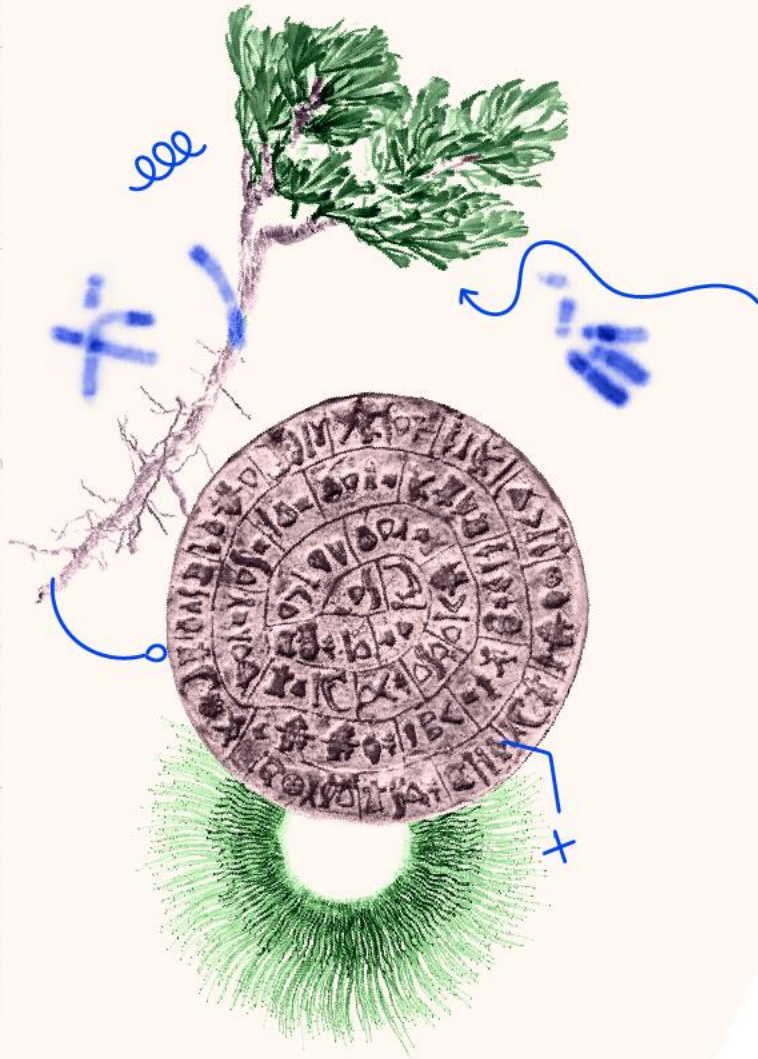
- We estimated that a median **coordinator** under Horizon Europe spends between **36 and 45 person-days** in preparing an application.
- A median value for contributing **partners** is between **16 and 25 person-days** in addition to those of the coordinator.
- The proposal preparation effort that is required from coordinators seems to **increase** with the size of the potential project: the requested budget level, the length of the project and the number of consortium partners.
- Our analysis also shows that **the coordinators of successful proposals spend longer on preparing** their proposals than those of unsuccessful proposals.



# LJUBLJANA WORKSHOP

## MSCA Staff Exchanges

### 17 January 2025



- 10.00 - 10.45 **Introduction** and presentation of the evaluation criteria for MSCA SE 2025 Call, Stojan Sorčan, MVZI
- 10.45 - 11.30 Research **proposal writing experiences** of xy , MSC SE, University of Ljubljana
- 11.30 - 11.45 Break
- 11.45 - 13.30 **"Excellence"** criterion: PPT presentation and analysis of the project evaluations received by the participants
- 13.30 – 14.00 Break
- 14.00 - 15.00 **"Impact"** criterion: PPT presentation and analysis of the project evaluations received by the participants
- 15.00 - 16.00 **"Implementation"** criterion: PPT presentation and analysis of the project evaluations received by the participants
- 16.00 - 17.00 **Discussion** and Conclusions

NETWORK OF THE  
MARIE SKŁODOWSKA-CURIE ACTIONS  
NATIONAL CONTACT POINTS



REPUBLIKA SLOVENIJA  
**MINISTRSTVO ZA VISOKO ŠOLSTVO,  
ZNANOST IN INOVACIJE**

[stojan.sorcan@gov.si](mailto:stojan.sorcan@gov.si)

<https://ec.europa.eu/research/mariecurieactions>

**Najnovejše MSCA informacije:**

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



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