

NEXUS MSCA SE 2024



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Webinaire national d'information MSCA SE 2026
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MSCA SE 2024 Call

Call identifier: HORIZON-MSCA-2024-SE-01

Call title: Marie Skłodowska-Curie Staff Exchanges

Published: 19/09/2024

Deadline: 05/02/2025

Available budget: EUR 99,466,431.00

Number of proposals submitted: 329

Number of proposals receiving an evaluation score above the threshold (70%): 219

Total budget requested from these above-threshold proposals: EUR 264,563,070.00

Timeline

Expected

- **19 September 2024**: Launch of the call for proposals
- **5 February 2025**: Deadline for submitting proposals
- July 2025: Notification of call results to applicants (TBC)
- November 2025: Grant agreement signature for successful projects (TBC)
- November 2025: First EU-funded projects start (TBC)

Real

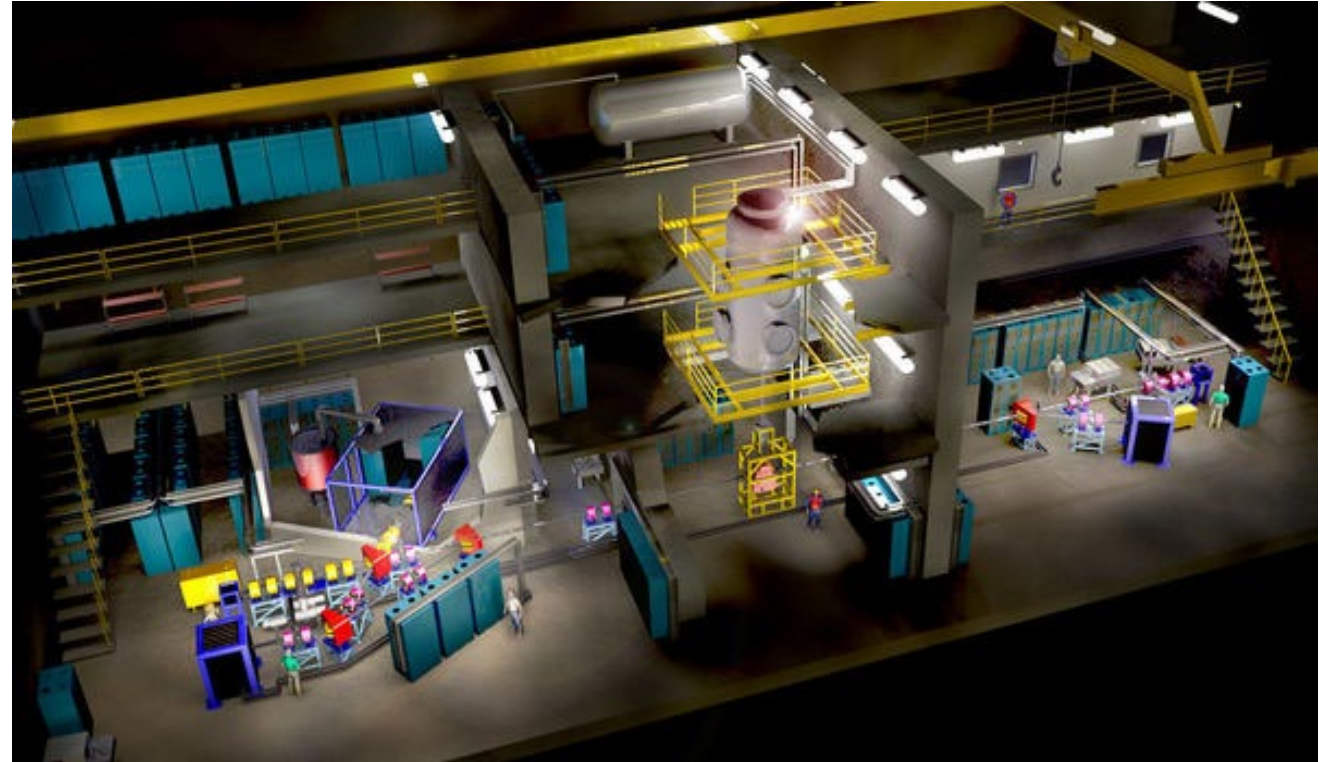
- Mid-May 2025: Notification of call results to applicants
- 2 September 2025: **Grant agreement** signature
- January 1st 2026: projects starts **(at demand)** → **I could have started it in October 2025**
- **Launch “Consortium Agreement”** September → signature : now



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North-south EXchange for Underground Science (NEXUS)

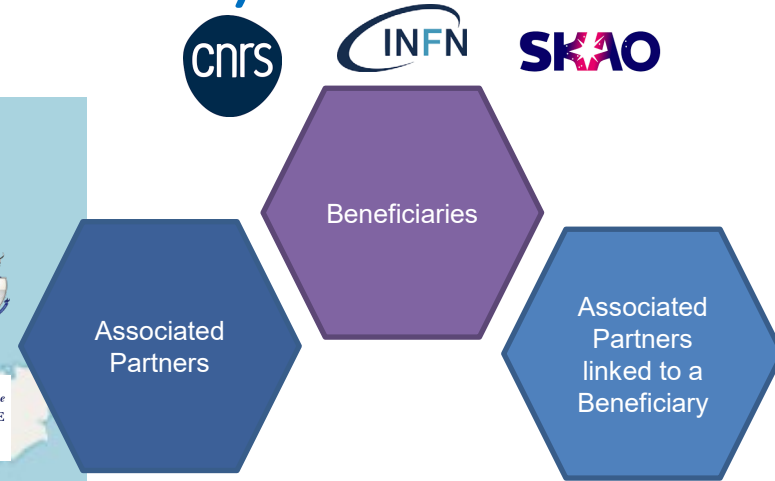




Underground Science – where ?



North-south EXchange for Underground Science (NEXUS)












Evaluation Summary Report

Evaluation Result

Total score: 97.00 % (Threshold: 70 /100.00)

Criterion 1 - Excellence

Score: 5.00 (Threshold: 0 / 5.00 , Weight: 50.00%)

Criterion 2 - Impact

Score: 4.70 (Threshold: 0 / 5.00 , Weight: 30.00%)

Criterion 3 - Quality and efficiency of the implementation

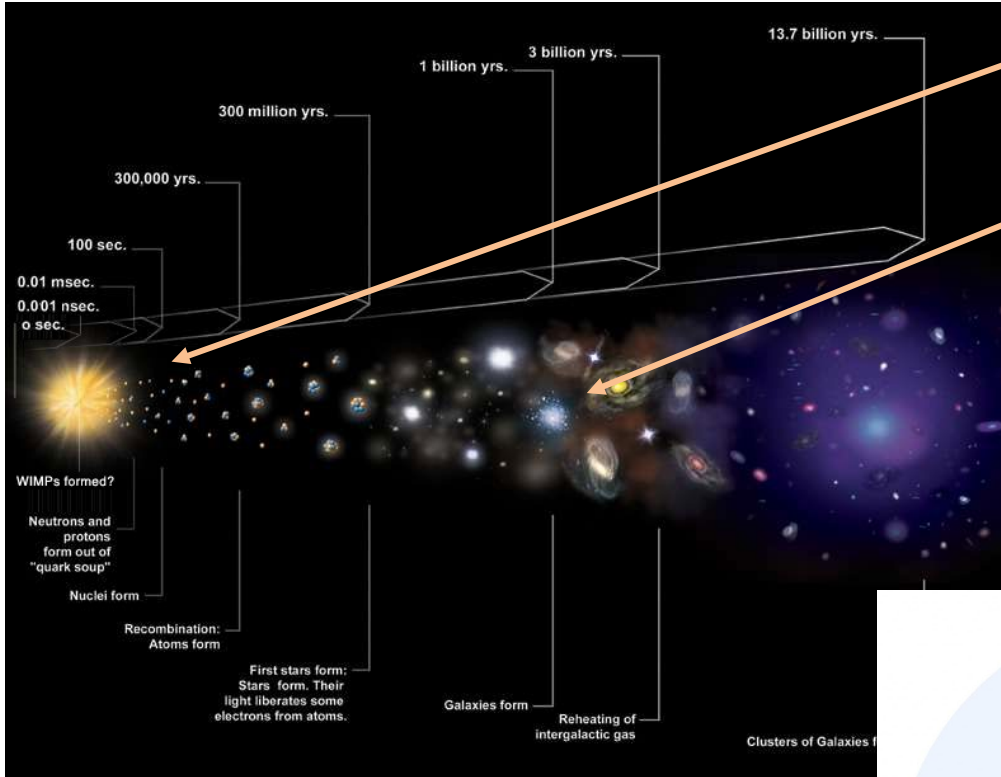
Score: 4.70 (Threshold: 0 / 5.00 , Weight: 20.00%)



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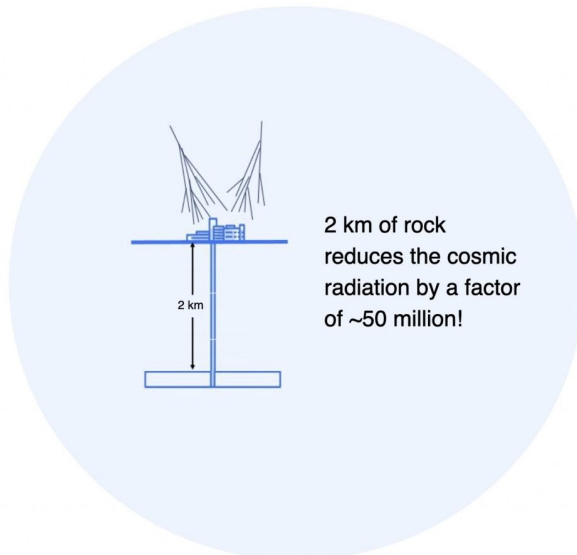
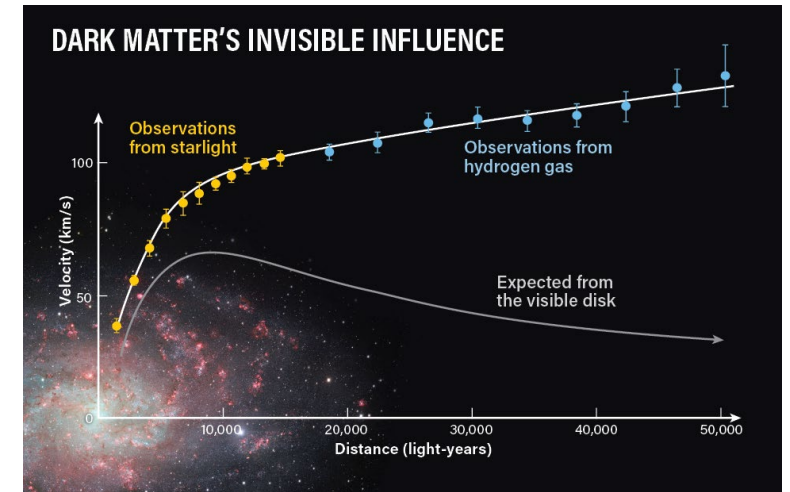
ULs for which purpose ?



Particle physics: accelerators reproducing big-bangs to study the early stages of the universe

Astrophysics: Telescopes and Satellites observe light (diff. Wavelengths, radio) thus matter

Astroparticles and cosmology : particle physics and astrophysics



Underground labs: shielded from cosmic and natural background, study rare events → Dark matter, neutrinos, **anything invisible**

The challenge

- **Context:** most of the UIs are in the North Hemisphere. They are tackling the very difficult « low background » technology and are competitors → rare events → Dark (invisible) object and unknown nature
- **Technology:** very sensitive detectors to « low background » (heat, rock radiations, detector radiations, etc.)
- **The need to fight against the unknown all together** creation of a network north South → seed for a new community in Africa/South America

- **MSCA SE:**
 - Money to travel and build the network
 - Involve a new « lagging » continent (an IRN with South Africa already existing since Jan 2024: **PAULINE**)
 - The coordinator with experience reviewing MSCA PF and SE for REA since 2017
 - EU programmes are for EU excellence. Not so many opportunities to involve so many overseas/overcontinent countries.

Drafting the proposal

Part B1: Excellence

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)

1.2 Soundness of the proposed methodology Integration of methods and disciplines to pursue the objectives

1.3 Contribution of each participating organisation in the activities planned

Justification of the main networking activities

✓ The action should include **Work Packages** and topics should be described properly with deliverables and milestones

- WP1 - Low background technologies.
- WP2 - Muography , Neutrons and radiation measurements.
- WP3 - Modelling, Simulation and Machine learning.
- WP4 - Quantum science and technology.
- WP5 - Education and Training Activities.
- WP6: Management

✓ WPs coordinators need to be identified very early as they will draft their part

✓ Secondments , secondees and the period of the secondment need to be identify as they will fix your needs (budget and milestones)



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Compléments

Staff Exchange programme

How to Start the process

- 1- Once you are convinced that you want to submit a project and have validated the topic with your collaborators, **contact your NCP** (National Contact point)
- 2- September 2024 (**just before the start of the call**) : Coordinator: **FM** → CNRS/Regional Delegation Alps (DR11) → contact Ingénieur Europe/SPV (IE) → meet **IE**, explain the project, get first advices on how to proceed → IE creates the project in the EU-REA portal
- 3- **Plan regular meetings (2 per months + phone/visio)**
- 4- 17/10: provide the list of participants and the principal coordinators (**PC**) of each Country/Organization → need to be entered in the REA portal
- 5- PCs will receive from **IE** a contract to sign which states that your organisation (CNRS/DR11 for me) will act on their behalf before the European Commission
- 6- Each PC will have access to the proposal on the EU portal
- 7- **Start drafting as soon as possible**, identify WP Leaders (WPL) very very early in the process
- 8- Provide a « protected » sharing space to communicate with WPL and IE
- 9- In my case, IE read and corrected the draft many times. IE is here to guide, supervise, criticize. IE knows the context and the best way to achieve the narrative.

Staff Exchange programme

Drafting the proposal

Part A: → Administration (IE)

- Title, “PROPOSAL ACRONYM”, abstract, keywords, list of participants, ID of each organization participant and coordinator, table of secondments

Part B:

• Document 1 (part B1): → WE (maximum 30 pages)

• Document 2 (part B2): → Administration

Administration: IE will send to each PC the tables to fill and request the inputs for part A and B2, then will upload them onto the portal

WE: us, scientists



Main work for the coordinator before submission

Part B1- sections 1-3 (30 pages)

Section 1: Excellence

Section 2: Impact

Section 3: Quality and Efficiency of the Implementation

EVALUATION CRITERION	WEIGHT
EXCELLENCE	50 %
IMPACT	30 %
IMPLEMENTATION	20 %

Open call: 19/09/2024

- Christmas vacations, end of year duties, synergy and last minutes actions squeezed 4 months to 2 for efficient drafting
- Last month is reserved to wrap up
- - a lot of stress and many attempts to stop the process

Deadline: 05/02/2025 (in time thanks to the help and encouragement from IE)

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Methodology

Excellence

- Introduction, objectives and overview of the research and innovation programme.
- Pertinence and innovative aspects of the research programme
- The action should be divided in **Work Packages** and described in a table
- Soundness of the proposed methodology
- Integration of methods and disciplines to pursue the objectives
- Contribution of each participating organisation in the activities planned
- Justification of the main networking activities

Implementation

- **Work Packages** description.
- List of major **deliverables**
- List of risks
- Appropriateness of the research infrastructure
- Consortium composition and exploitation

Impact

- development and sustainability of new and lasting research collaborations
- how the project will generate knowledge transfer
- the contribution of the action to the improvement of the research and innovation potential
- ...
- Contribution of each participating organisation in the activities planned
- Justification of the main networking activities