



Leibniz Institute
for high
performance
microelectronics

Overview of European Calls for Collaborative Research Projects

Marko Andjelkovic

IHP – Institute for High Performance Microelectronics, Frankfurt (Oder), Germany

TWIN-RELECT Research Management Workshop

University of Manchester, United Kingdom

13th January, 2026.

Agenda



1. **MSCA Doctoral Networks (MSCA-DN)**

2. **Eurostars**

1. MSCA Doctoral Networks - Basics



- **MSCA-DN project: Training up to 15 PhD candidates in a selected research topic**
- **Project duration: 48 months**
- **PhD candidates**
 - Employed at the beginning of the project (first 6 month)
 - Can be of any nationality, but not the citizens of host country
 - Each PhD candidate is employed for 36 months

1. MSCA Doctoral Networks - Consortium



—○ Consortium composition

- ❖ A consortium is typically composed of **academic partners** (universities and research institutes) and **industrial partners** (SMEs and large companies).
- ❖ At least **3 independent legal entities**, each established in a different Member State or Associated Country; minimum of 1 beneficiary from a Member State
- ❖ Two types of participants: **Regular partners (beneficiaries)** and **Associated partners**

Regular partners	Associated partners
• Should employ at least 1 PhD student • Receive funding • Provide full PhD supervision • Organize training events • Award PhD degree (universities)	• Do not employ PhDs • Do not receive funding • Provide secondments for PhD students • Participate in training events • Award PhD degree (universities)

1. MSCA Doctoral Networks - Funding



- Funding is mostly allocated for PhD candidates
 - 36 PM per PhD candidate
 - A total of 540 PM (for 15 PhD candidates)
- A small amount of funding is allocated for institutional/management costs
- Depending on the country, a regular partner receives 200-300k Euro per PhD candidate
- No more than 40% of the total budget can be allocated to partners from one country

1. MSCA Doctoral Networks - Funding



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

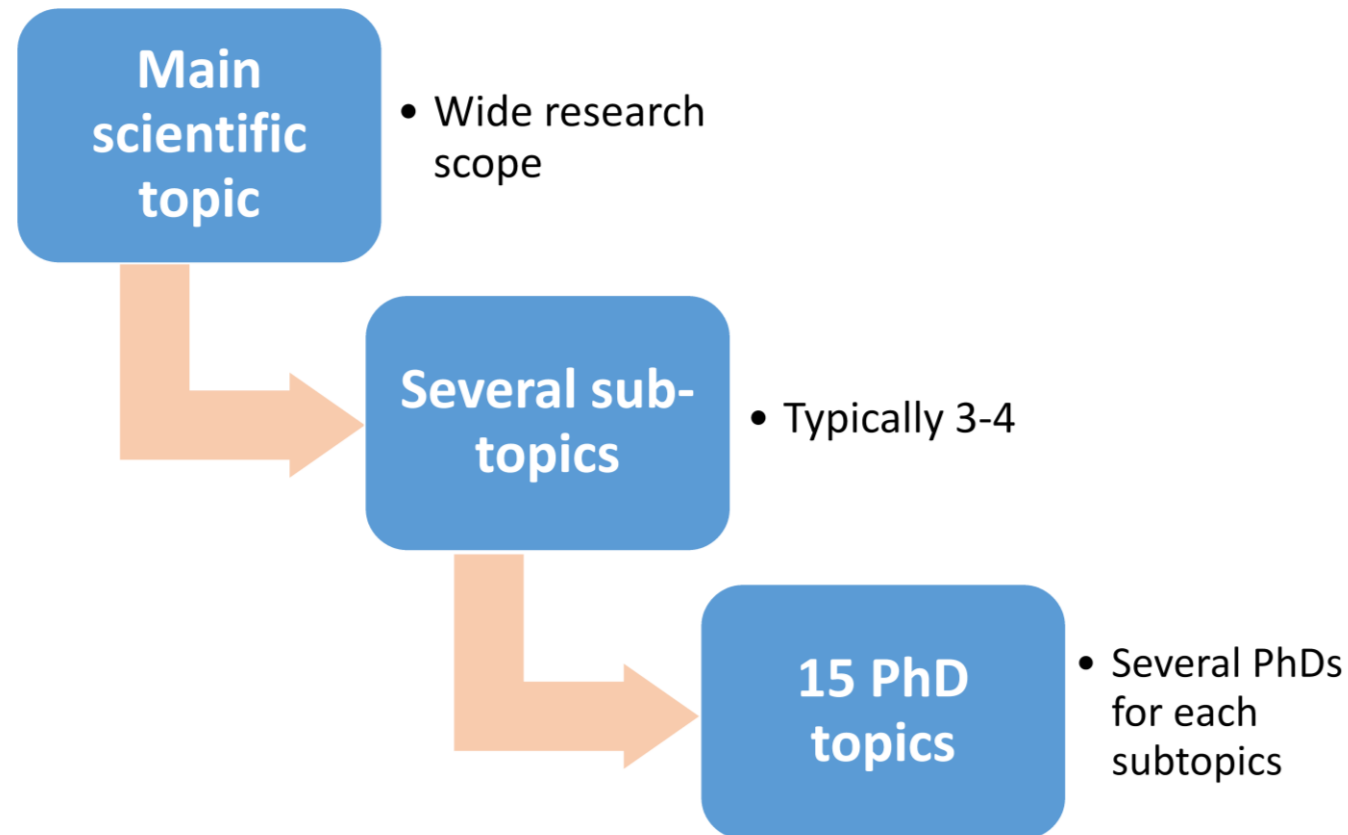
*A **country correction coefficient** applies to the living allowance in order to ensure equal treatment and purchasing power parity for all researchers

** A **family allowance** to contribute to mobility-related costs of researchers with family obligations which can be granted **during** the project.

1. MSCA Doctoral Networks - Project Concept



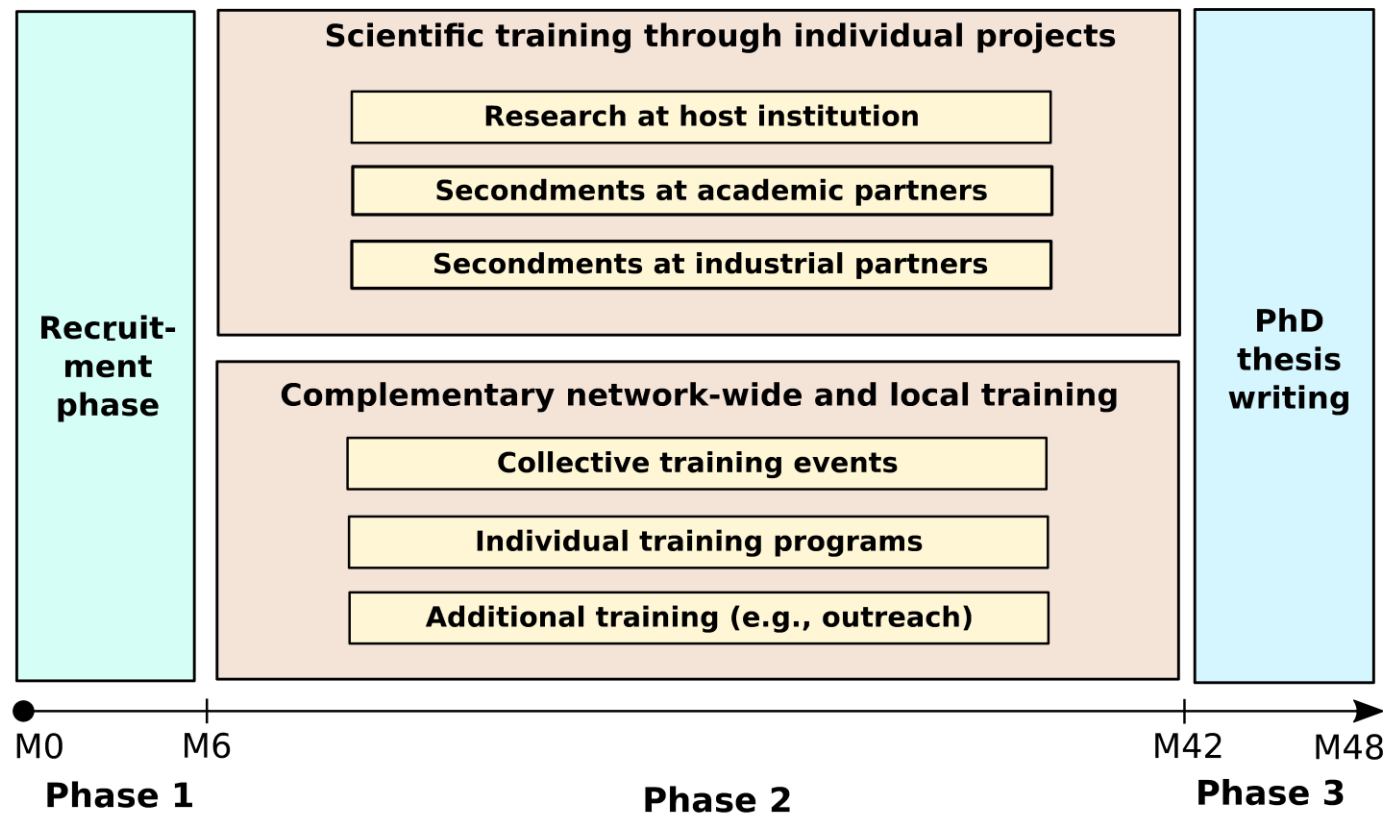
—○ General scientific concept



1. MSCA Doctoral Networks - Project Concept



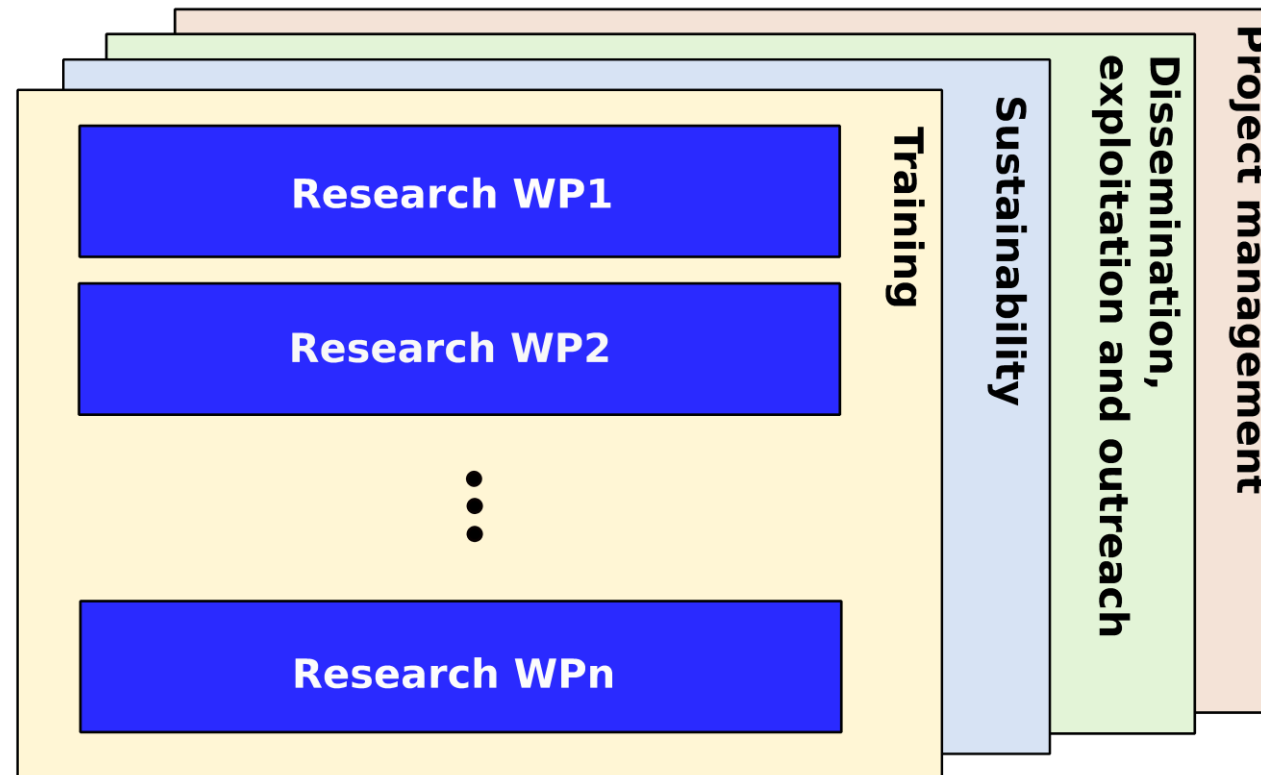
- Each PhD candidate is involved in a Research Project and Training Program



1. MSCA Doctoral Networks - Project Concept



—○ Work packages



1. MSCA Doctoral Networks - Project Proposal



—○ Proposal structure

- 1 page for title
- 2 pages for list of partners
- 1 page for table of contents
- 30 pages for 3 standard sections: Excellence, Impact and Implementation

—○ Evaluation

- Maximum score is 100
- Weighted scoring: Excellence (50%), Impact (30%), Implementation (20%)

1. MSCA Doctoral Networks - Guidelines



- Detailed instructions for MSCA projects preparation, including reviewer comments from previous proposals, can be found in MSCA Handbook (available online for free)

Documents				
 RADIANCE COFUND Handbook 2025	1.39MB	07/05/2025		
 Submission Guide COFUND	4.02MB	09/07/2025		
 RADIANCE PF Handbook 2025	908.61KB	27/06/2025		
 Submission_Guide_PF_25	4.18MB	09/07/2025		
 RADIANCE SE Handbook 2025	1.17MB	23/07/2025		
 Submission Guide SE 2025	4.83MB	09/07/2025		
 RADIANCE Citizens Handbook 2025	976.17KB	08/10/2025		
 Submission Guide Citizens 2025	3.68MB	22/07/2025		
 RADIANCE DN Handbook 2025	1.41MB	23/09/2025		
 Submission Guide DN 2025	4.14MB	14/10/2025		



**Doctoral
Networks
Handbook
Call 2025**

NETWORK OF THE NATIONAL CONTACT POINTS FOR THE MARIE SKŁODOWSKA-CURIE
ACTIONS

Task 3.1 Handbooks and Submission
Guides
Issued by: DLR (DE)
Issued date: 23 September 2025
Work Package Leader: RANNIS (IS)

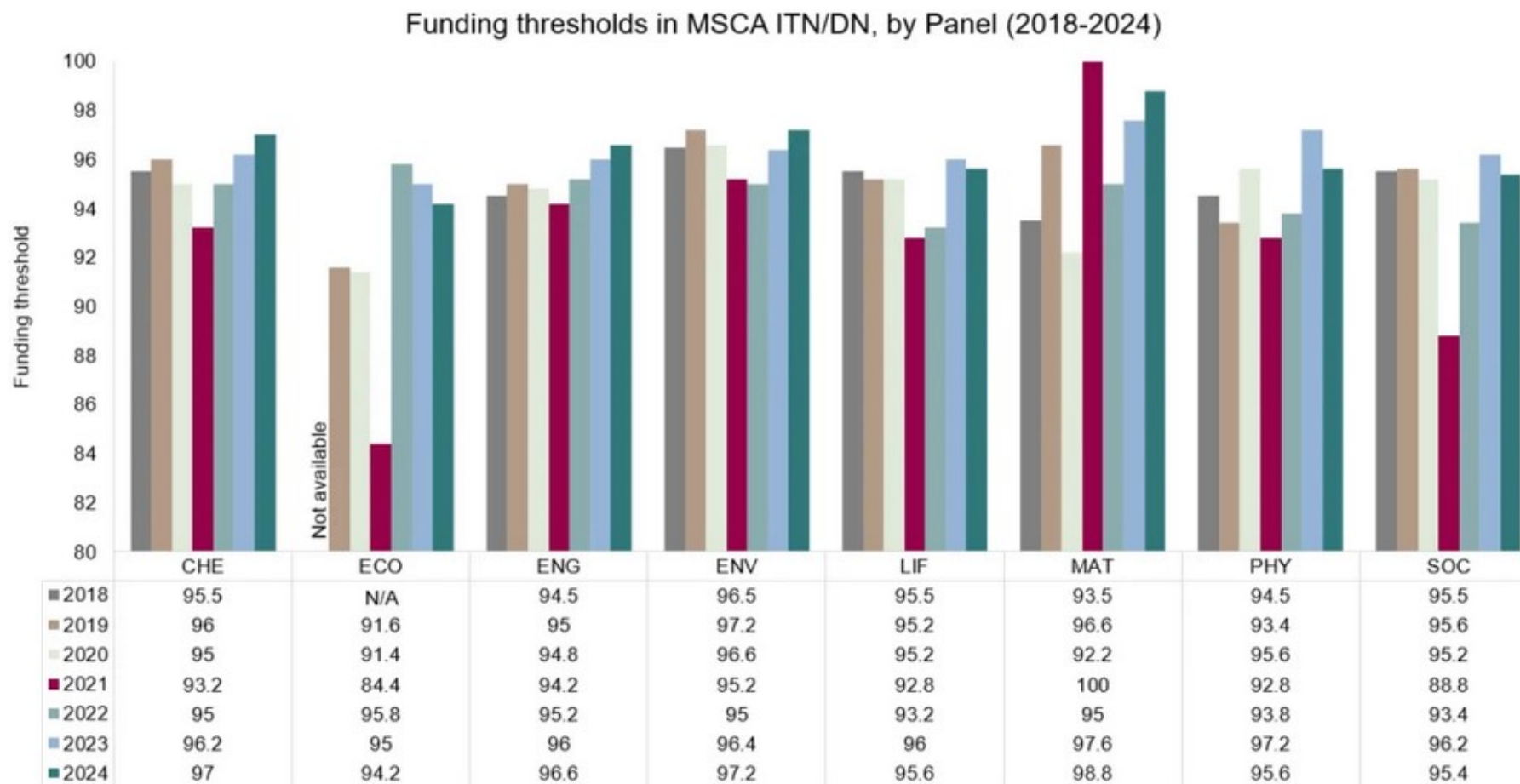
<https://horizoneuropencpportal.eu/store/handbooks-msca-2025>

1. MSCA Doctoral Networks - Statistics



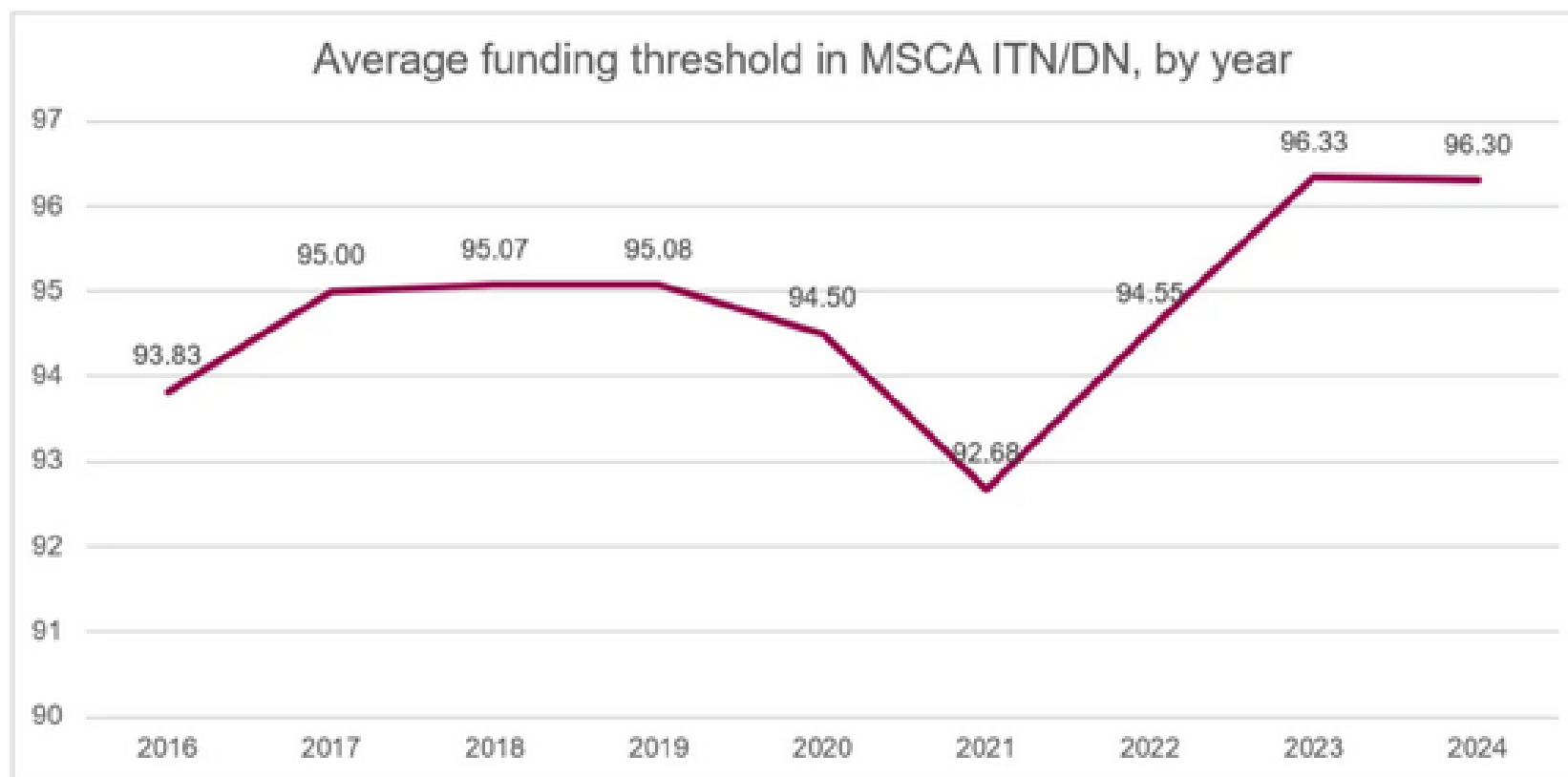
	2022 Call (HORIZON-MSCA- 2022-DN)	2023 Call (HORIZON-MSCA- 2023-DN)	2024 Call (HORIZON-MSCA- 2024-DN)
Proposals submitted	946	1066	1417
Projects funded	158	128	149
Success rate	16%	12%	10.8%
Total budget	429.4 million €	443 million €	608.6 million €
Doctoral candidates funded	1650	1900	1800

1. MSCA Doctoral Networks - Statistics



<https://accelopment.com/blog/funding/even-higher-cut-offs-and-lower-success-rates-in-the-2024-msca-doctoral-networks-call/>

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1. MSCA Doctoral Networks - Database



—○ Database of previous and running projects: <https://cordis.europa.eu/>

CORDIS - EU research results

Home | Thematic Packs | Projects & Results | Videos & Podcasts | News | Datalab | Search

CORDIScoverypodcast
EUROPEAN EXCELLENCE AWARDS 2025 WINNER!

Home > Search

Search

Filter by

CONTENT

- Collection +
- Domain of Application +
- Language +
- Programme +
- Last updated +

PROJECT

- Acronym / ID +
- Field of Science (EuroSciVoc) +
- Start/End date +

MSCA-DN

☐ Include archived content ⓘ

46 644 results for 'MSCA-DN'

GENIUS Glide-symmetric mEtamaterials for iNnovative radio-frequency commUnication and Sensing (GENIUS)

ID: 101072560

From: 1 February 2023 to: 31 January 2027

GENIUS (Glide-symmetric mEtamaterials for iNnovative radio-frequency commUnication and Sensing) is an Industrial Doctoral Programme led by top European actors of research and innovation in the field of radio-frequency (RF) systems with applications to aerospace communications...

Coordinated in: France

Programme: [Marie Skłodowska-Curie Actions \(MSCA\)](#)

Last update: 4 September 2022

Expert search

Add to my booklet

1. MSCA Doctoral Networks - IHP Experiences



Projects/proposals with IHP involvement	Status
RESCUE (reliability, security and quality in IC design)	- Accepted in 2016 with 93%, after 2 rejections - Coordinated by Tallinn University of Technology
REACT (self-aware neuromorphic)	- Accepted in 2024 with 97% - Coordinated by University of Groningen
xTrends (cross-layer technologies for IoT)	- Rejected 2 times (first time with 90%, second time with 70%) - Coordinated by TU Vienna
RESYST-CHIP (resilient systems-on-chip)	- Rejected in 2024 (88.4%), resubmitted in 2025 - Coordinated by IHP
CABEM (wireless communications)	- Rejected in 2024 (87.4%), resubmitted in 2025 - Coordinated by Institute of Telecommunications (Lisabon)
SENS (self-healing neuromorphic systems)	- Rejected in 2024, resubmitted in 2025 - Coordinated by TU Eindhoven
RECHARGE (reconfigurable systems for medicine)	- First time submitted in 2025 - Coordinated by University of Groningen

2. Eurostars



- Eurostars is the largest international funding programme for supporting SMEs
- Goal: To create innovative products, processes or services for commercialization
- Resulting product could be hardware or software
- Each partner submits project application through national funding organizations
- 2 calls per year (March and September)

2. Eurostars



—○ Main features

- SME should coordinate the project
- Large companies, universities and research organizations can participate in the project
- As least 2 participants from 2 different countries
- Project duration up to 3 years
- No restriction on topics
- Final product to be introduced to the market 2 years after the project

2. Eurostars

—○ Funding criteria may differ depending on the country

- Universities and research organization can receive up to 100% of project costs
- SMEs typically take 50% or more of the budget, but can receive 40-70% of project costs
- No single partner or country can take more than 70% of the budget

Country	Funding criteria
Germany	500k Euro for one SME and one university or institute
Greece	180k Euro, or 230k Euro if Greek SME is coordinator
France	120k Euro if there is a French SME
United Kingdom	360k Euro – only for SMEs

2. Eurostars

—○ Proposal in the form of questionnaire

- What will be the main result of the project?
- How is proposed product different and innovative?
- Describe the commercial state-of-the-art and major competitors
- Describe the sales forecast
- What is expected annual profit?
- Describe technical methods, challenges, and risks

2. Eurostars

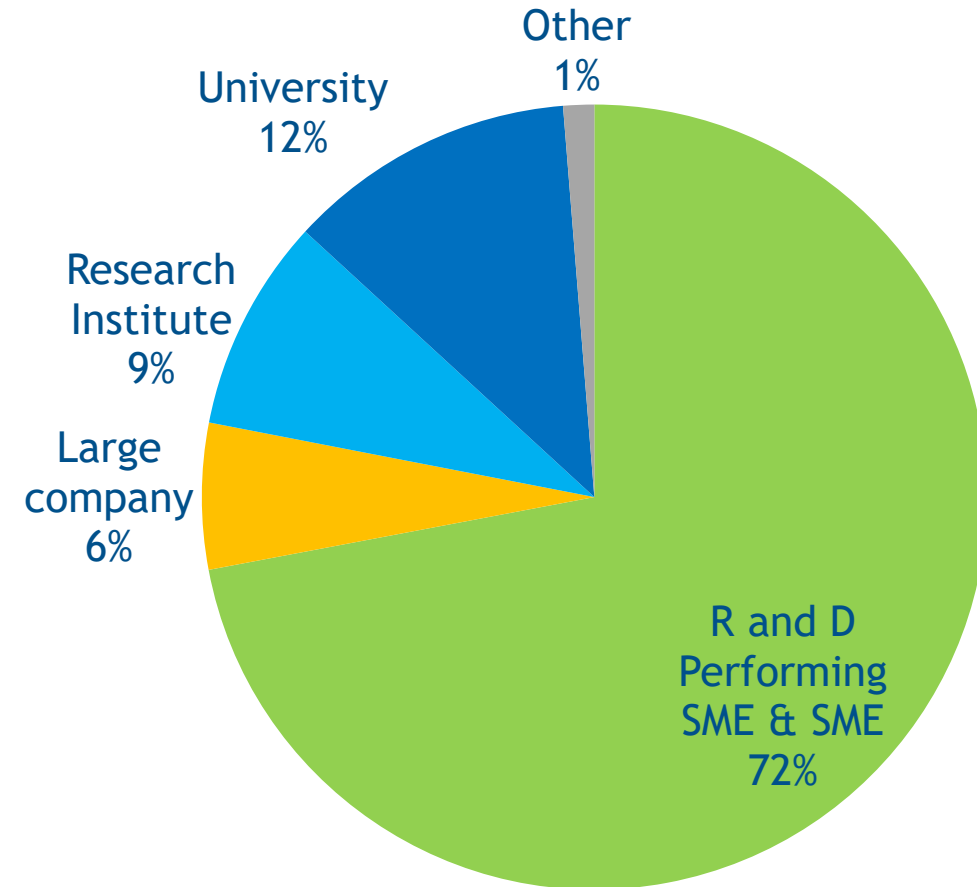
—○ Participating countries (September 2025 call)

 Austria	 Belgium (Brussels)	 Belgium (Flanders)	 Belgium (Wallonia)
 Bulgaria	 Canada	 Croatia	 Cyprus
 Czech Republic	 Denmark	 Estonia	 Finland
 France	 Germany	 Greece	 Hungary
 Iceland	 Ireland	 Israel	 Italy
 Latvia	 Lithuania	 Luxembourg	 * Malta
 Norway	 Poland	 Portugal	 Romania
 Singapore	 Slovakia	 Slovenia	 South Africa
 South Korea	 Spain	 Sweden	 Switzerland
 The Netherlands	 Türkiye	 United Kingdom	

List of participating countries may change from one call to another

2. Eurostars

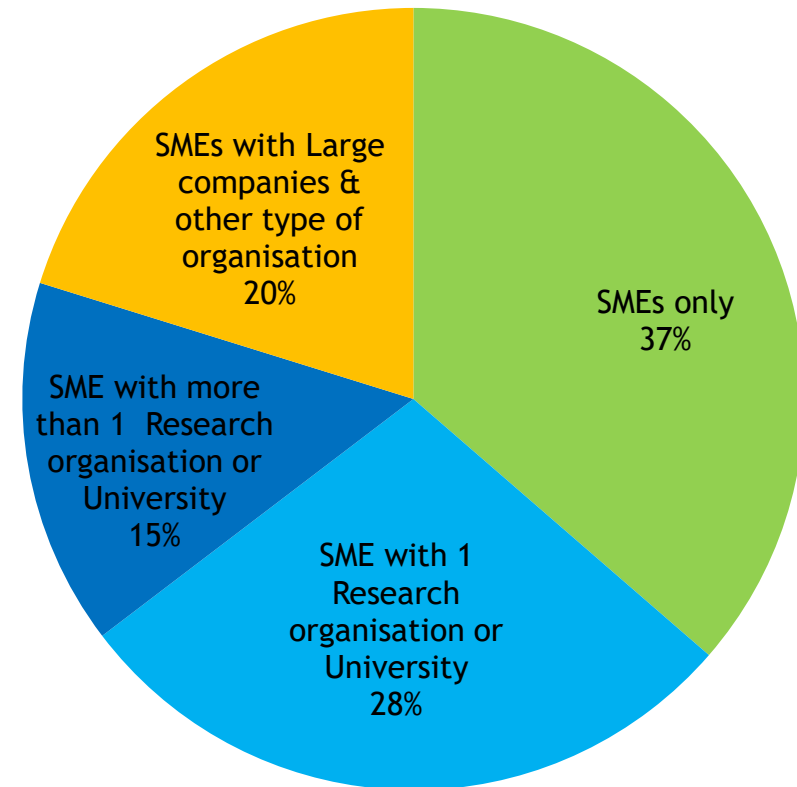
Majority (typically over 70%) of participants in Eurostars projects are SMEs



2. Eurostars

Small projects:

- **3-5 partners**
- **2-3 countries**
- **Around 30 month duration**
- **Around 1.5 M euro total budget**



2. Eurostars

- IHP had 5 Eurostars projects (with 100% success rate)

Project	Description
PISA	Power robust IC design for space applications
SECHIS	SERDES Chip for Space Applications
EuroSRAM4Space	European Rad-hard 16Mbit MCM SRAM for Space Applications
LIBRA	Development of a Rad-Hard Mixed-Signal Library for Commercialization of Space Qualified ICs
IC-NAO	Integrated Circuit Noise Analysis and Optimisation Framework

2. Eurostars

—○ Other examples of Eurostars projects related to electronics

Project	Description
NGSDuo	Mixed radiation sensor system for combined hyper-spectral gamma imaging and neutron detection.
SELECT	Sustainable Electronics for Energy Harvesting Applications.
MISCA	Monolithically Integrated Detectors for Next Generation Communication Applications.
MODELS	System Modeling & Design Exploration on Heterogeneous Platforms.

2. Eurostars



—○ Possible topics for Eurostars project related to TWIN-RELECT

- CAD tool for design of resilient ICs
- Resilience-by-design library



Thank you for your attention!

IHP GmbH – Innovations for High Performance Microelectronics

Im Technologiepark 25

15236 Frankfurt (Oder)

Tel.: +49 (0) 335 5625 527

E-Mail: andjelkovic@ihp-microelectronics.com

