



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

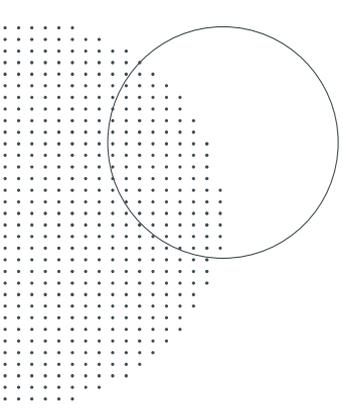


MEETING WITH RESEARCHERS

DIEF Commissione Ricerca – International research office
Professor Luca Selmi – Irene Chini, PhD

30 MAY 2024 – 11 am – Sala Eventi Tecnopolo





AGENDA



- 01.** Get ready for the meeting
- 02.** Why this meeting on European funding?
- 03.** How is UNIMORE doing?
- 04.** How to?
- 05.** Horizon Europe
- 06.** Proposal template analysis



01

Get ready for the
meeting



GET READY FOR THE MEETING



1. Get ready with your mobile or computer
2. Connect to [slido.com](https://www.slido.com) with your computer or scan the QRcode with your mobile
3. Answer the questions
4. Keep the tab open for future questions





Question 0

Did you ever
participate to a
European project?

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**Did you ever participate
to a European project?**

① Start presenting to display the poll results on this slide.



Question 1

Have you ever written parts of an European project proposal?

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**Have you ever written
parts of an European
project proposal?**

① Start presenting to display the poll results on this slide.



02

Why this meeting on European funding?

FUNDING YOUR RESEARCH

From previous meeting with DIF researchers:

1. International
- 2. European (EC – Horizon Europe)**
3. National
4. Nazionale
 - i. PRIN (MUR)
 - ii. Bilaterali (MAECI/MUR)
5. Regional
6. Foundation/Association
7. University: FAR
8. Department: FAR Dipartimentale

WHY? HIGH RISK, HIGH GAIN !!

- Broaden the horizon of your research, globalize yourself
- Understand how Europe works
- Learn from a demanding funder
 - Large variety of projects for almost every need
 - Very structured submission and evaluation system
- Think about your research from all aspects: context, excellence, impact, implementation
- Compete for new funding opportunities
- Make a step toward autonomy
- Take a leap in research quality, relevance and impact



03

HOW UNIMORE
IS DOING?



Question 2

How many EU projects are currently active at UniMORE?

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How many EU projects are currently active at UniMORE?

① Start presenting to display the poll results on this slide.



Question 3

What is the UniMORE ranking among the 184 institutions in the Region Emilia Romagna?

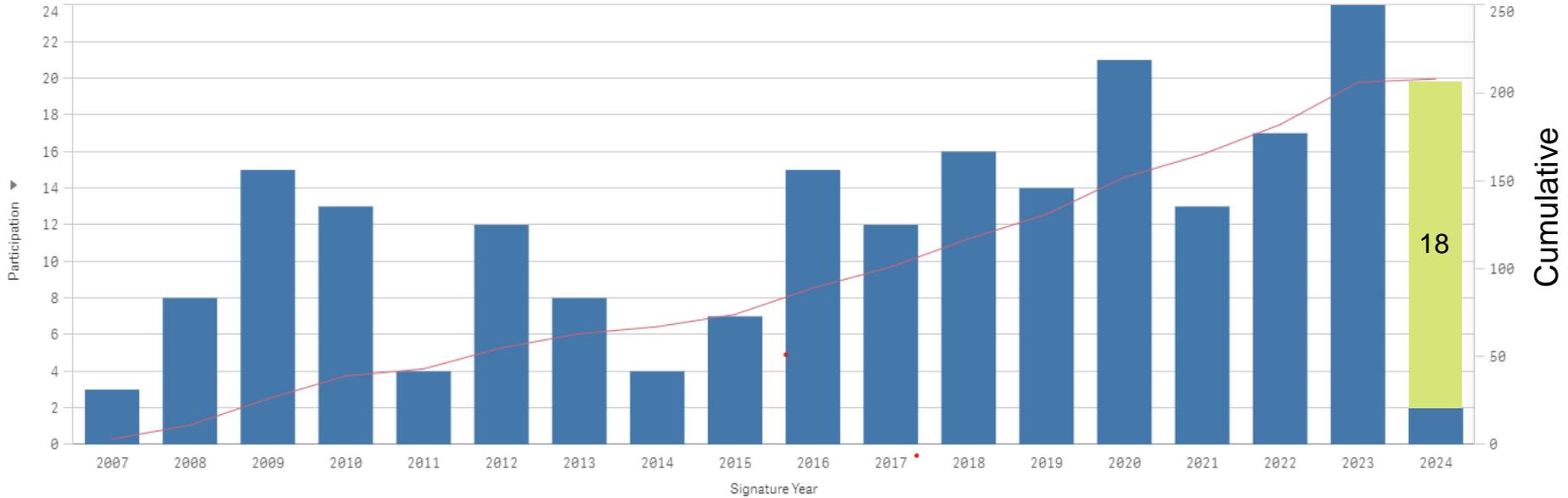
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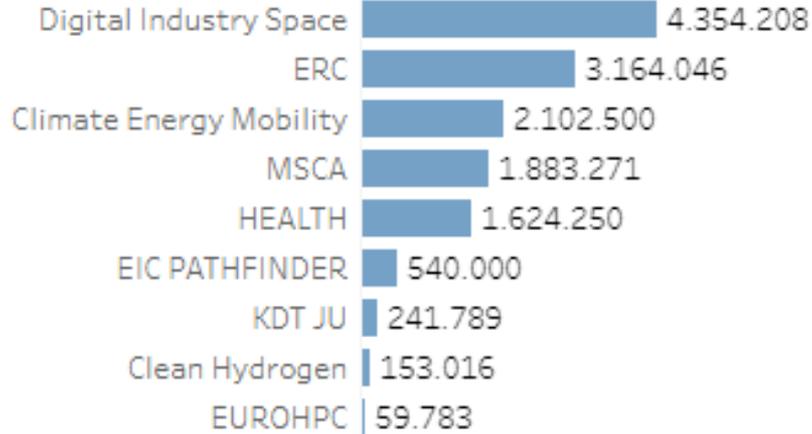
What is the UniMORE ranking among the 184 institutions in the Region Emilia Romagna?

① Start presenting to display the poll results on this slide.

Evolution of UNIMORE participation and contribution in EU funding (without third party roles)



UniMORE Funding per programme and geographical distribution of the partners



Programme



Collaboration

UNIMORE project keywords (without linked third party roles)

Materials engineering Artificial Intelligence & Decision support Surface modification
Electrical engineering, Electronic engineering, Information engineering
Airport Data mining Augmented Reality
Systems engineering, sensorics, actorics, automation
Migration Transport engineering, intelligent transport systems
Data curation Circular economy Automotive
Numerical analysis, simulation, optimisation, modelling tools Ecology Big data Air quality
Manufacturing and fabrication technology Nano-technology Biophysics Clean vehicles
Micro- and nanoelectronics, optoelectronics Combinatorial chemistry Decarbonisation





UniMORE

25 out of 5453

Rank among the organizations in Italy

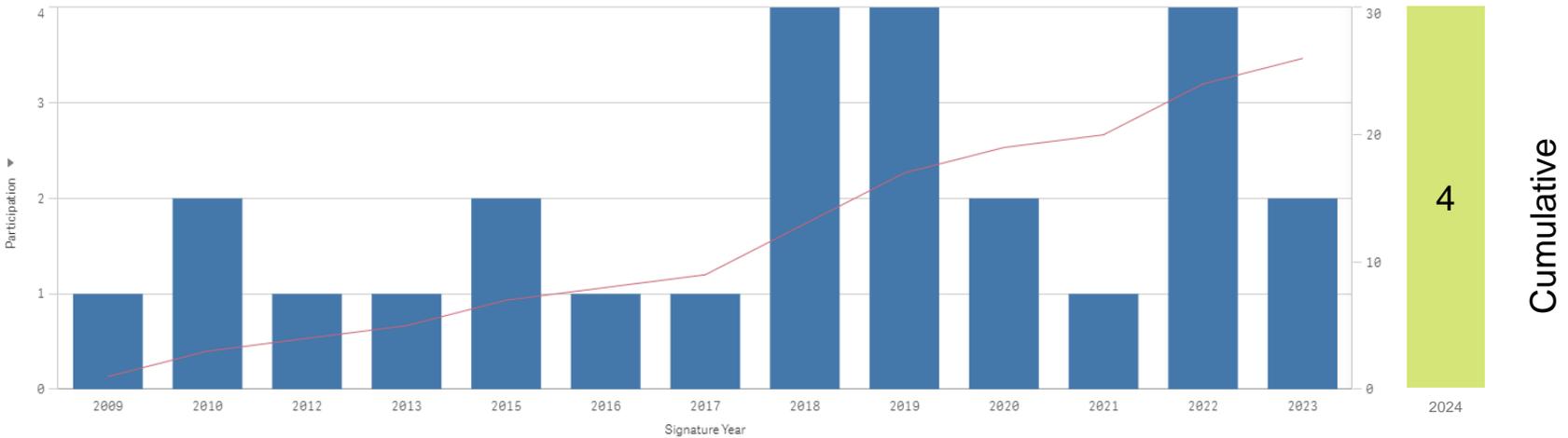
2nd out of 184

Rank among the organizations in Emilia-Romagna Region

22% success rate

15.9% success rate of proposals. (11.9% in Horizon 2020)

«Enzo Ferrari» Department of Engineering





04

HOW TO?



Question 4

How much time do you think it takes (on average) to write a full proposal?

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How much time do you think it takes (on average) to write a full proposal?

① Start presenting to display the poll results on this slide.

CALL TIMELINE



WORK PROGRAMME
Lasts two years

CALL DEADLINE
Common deadline for
all topics in a call

DRAFT
About one year
prior to the
deadline

OPEN CALL
4 months before
the deadline

PROPOSAL STAGES

Stage 1
Consortium meeting

Aim of the project,
research question,
distribution of work
5-6 months before
deadline

Stage 2
Proposal writing

Input from partners
4-5 months before
deadline

Stage 4
IN or OUT

Final agreement
3 months before
deadline

Stage 3
First draft

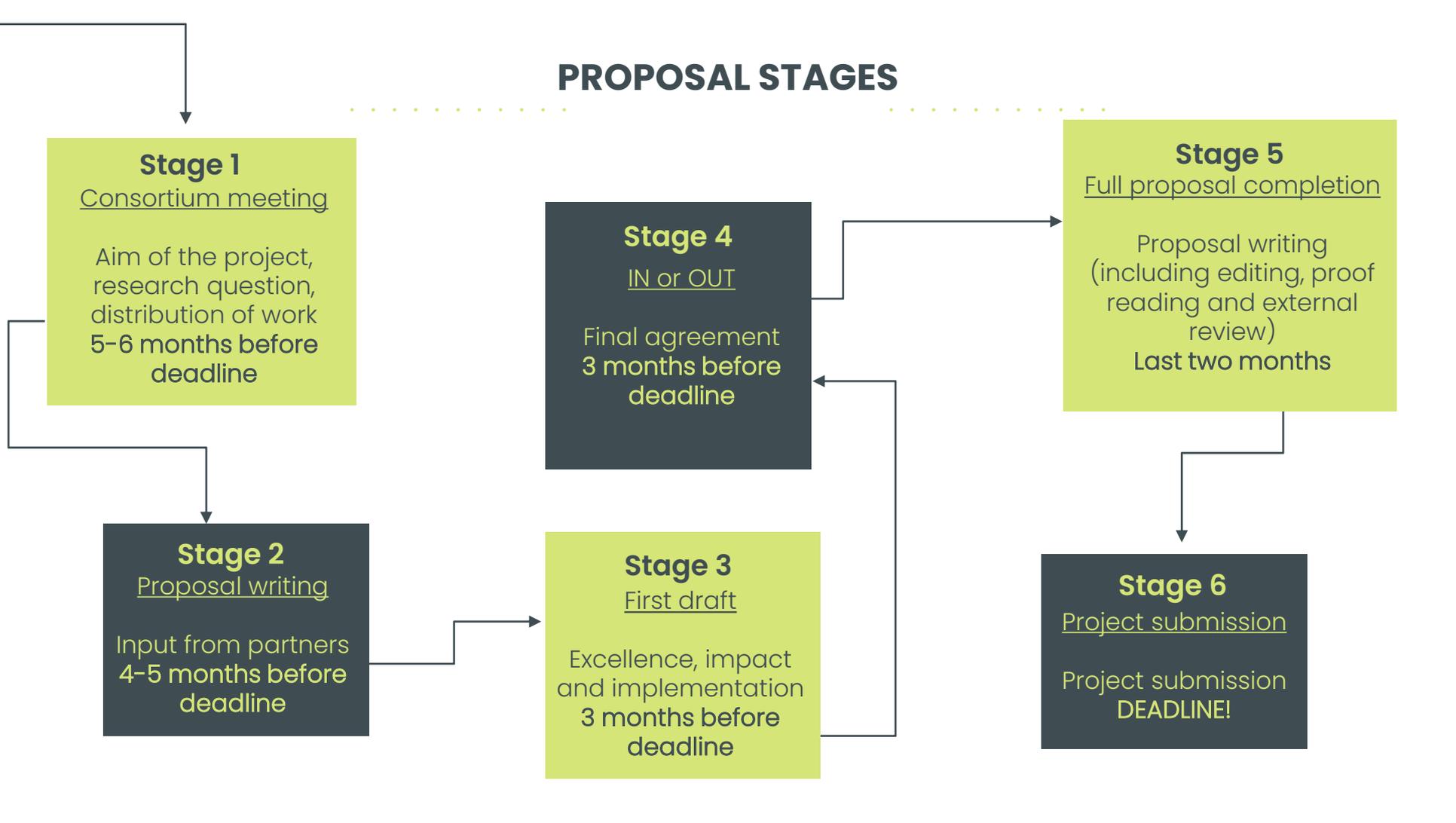
Excellence, impact
and implementation
3 months before
deadline

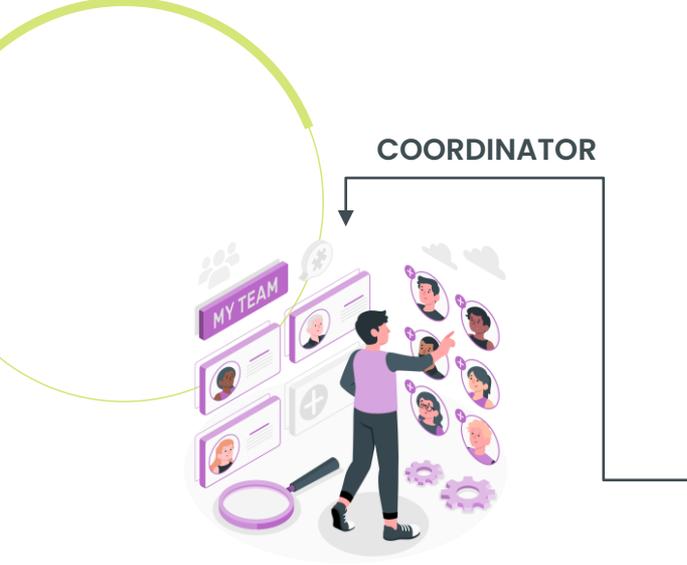
Stage 5
Full proposal completion

Proposal writing
(including editing, proof
reading and external
review)
Last two months

Stage 6
Project submission

Project submission
DEADLINE!





I WANT TO BE



1. Define your idea/research
2. Find a funding opportunity
3. Write a proposal
4. Cross your fingers!

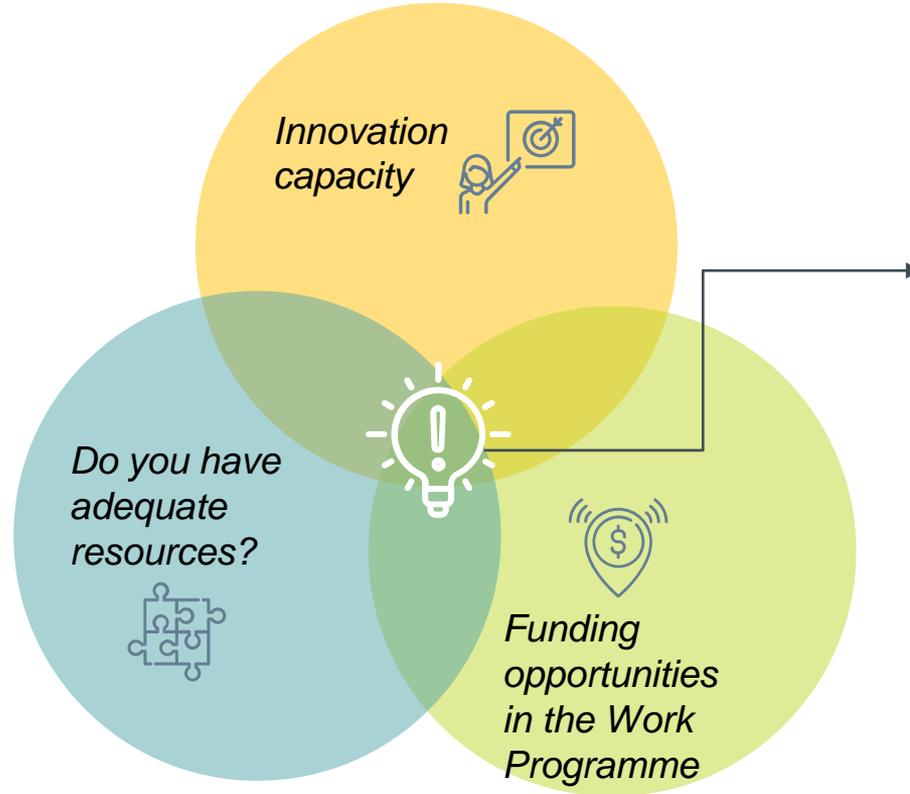
1. Identify your skills
2. Promote yourself!
3. Join a consortium
4. Define your activity

IS YOUR IDEA INNOVATIVE?



CONSULT:

- ✓ Patent database
- ✓ ILO office
- ✓ Previously funded project (e.g. CORDIS)
- ✓ Bibliography
- ✓ Google



**THIS IS
YOUR
CORE
IDEA!**



PARTNER SEARCH

EVENTS AND CONFERENCES
e.g. brokerage events,
contact the officers

SPECIFIC WEBSITES:
Funding & tender .eu

NATIONAL CONTACT POINTS
e.g. APRE <https://apre.it/>

**CORDIS DATABASE OF PAST
AND RUNNING PROJECTS**
<https://cordis.europa.eu/it>

**PERSONAL CONTACTS
(EXISTING OR NEW)**
Scientifically
excellent groups with
exactly the right
expertise





WRITING A SUCCESSFUL PROPOSAL IS TOUGH

- Connect to experiences partners
- Learn from the experts
- Learn from successful peers
- Always consult the latest templates and guidelines



WHO'S DOING WHAT AT DIEF? A PARTIAL OVERVIEW

PEOPLE	RESEARCH TOPICS	COLLABORATION	TYPE
Giulio Allesina	Biomass conversion processes and composting processes, waste valorisation in a carbon negative-circular economy	Simone Pedrazzi, Paolo Tartarini	PRIMA, GREEN DEAL
Michela Apruzzese	Design for Advanced Technology Development to Optimize Comfort and Safety of CAVs	Mauro dell'Amico, Alberto Vergnano	CL5
Davide Barater	Power electronics, electrical machine design, analysis and optimization	Giovanni Franceschini, Elena Bassoli, Sara Mantovani, Pierpaolo Palestri, Stefano Nuzzo	CL5, MSCA DN, Clean sky
Claudio Bianchini	Electrical machines and drives, Additive Manufacturing	Elena Bassoli, Giovanni Franceschini, Davide Barater, Lucia Denti, Andrea Gatto	Pathfinder Open
Alessandro Bigi	XWIND onshore high windenergy source, atmospheric monitoring and modelling, using both lagrangian, eulerian and gaussian dispersion models, along with environmental application of remotely sensed data.	Grazia Ghermandi, Sergio Teggi, Francesca Despini, Sara Fabbri	JTI Clean Hydrogen
Giovanni Bolelli	Thermal spray covering the different aspects of modelling, characterization and TS process	Luca Lusvardi, Elena Colombini, Paolo Veronesi, Alessandro d'Adamo	CL4, CETP
Claudia Canali	Gender+ inclusive STE(A)M education, Gender equality, institutional change	Tindara Addabbo	WIDERA
Valeria Cannillo	Strategic characterisation. additive manufactured, biomedical field	Cristina Siligardi, Massimo Bertolini, Paolo Veronesi, Anna Maria Ferrari	CL4
Francesco Leali	Software design and production of software components for automotive sector, smart mobility	Paolo Burgio, Alberto Vergnano, Marko Bertogna, Massimo Bertolini	CL5, CL2, KDT
	Craft heritage preservation, development of a conceptual model for technology integration, definition of the physical layout to implement the immersive experience and standardisation of the workflow for different use cases.	Francesco Gherardini, Enrico Dalpadulo, Andrea Petruccioli	

PEOPLE	RESEARCH TOPICS	COLLABORATION	TYPE
Luca Lusvarghi	Characterization techniques to investigate several properties of bulk metallic materials and engineered surfaces, thermal spray and cold spray coatings, starting from the microstructural analysis and up to the assessment of their mechanical and tribological properties	Giovanni Bolelli, Paolo Veronesi, Elena Colombini, Raffaella Capelli	CETP, CL4
Paolo Falcone	Autonomous and human-driven decision-making capabilities in IAS ecosystems	Marko Bertogna, Francesco Leali, Paolo Burgio, Alberto Vergnano	CL4
Elisa Ficarra	Pattern recognition, multimodal & multimedia representation	Rita Cucchiara, Lorenzo Baraldi, Federico Bolelli	MSCA DN, CL4
Claudio Fontanesi	Asymmetric reactions, spin, chiral, electrochemistry, cryomagnetic photoluminescence/Raman, CPL laser source chiral plasmon	Laura Pigani, Alice Ruini	
	Optical and electro-magnetic measurements on molecular surfaces, molecular surface fabrication, advanced surface characterization, rationalization of charge transfer processes and electrochemical sensing	Laura Pigani, Alice Ruini	
	Hydrogen storage and electrolyser manufacturing	Roberto Giovanardi, Marcello Romagnoli, Silvia Mittempergher, Stefano Lugli, Rossella Arletti, Francesco Rocchetti	Pathfinder Open, CL4, JTI Clean Hydrogen,
	Advanced functional materials for supercapacitors, water-based electrolytes and innovative current collectors for supercapacitors development	Cristina Siligardi, Andrea Marchetti, Roberto Giovanardi, Luca Pasquali, Beatrice Capelli	
	Chiral-recognition, enantiomeric-excess ee%, spin, asymmetric synthesis, chiral induction, handedness	Luca Pasquali, Beatrice Capelli, Laura Pigani	
Giovanni Franceschini	Advanced simulation and modelling of electrical drives	Paolo Burgio, Davide Barater, Luigi Rovati, Stefano Cattini	KDT
Isabella Lancellotti	Development of eco-compatible building materials (ceramic tiles, bricks, ecological bodies, glass-ceramics, LWAs, etc.) using industrial, agricultural and urban waste.	Luisa Barbieri, Paolo Pozzi, Nora Maria Andreola	ERA-MIN 3

PEOPLE	RESEARCH TOPICS	COLLABORATION	TYPE
Francesco Pellicano	Experimental analyses, vibration field, for aerospace applications	Antonio Zippo	Science for Peace and Security - SPS NATO
Francesco Maria Puglisi	Ferroelectric-based processors for secure, energy efficient and intelligent edge computing	Paolo Pavan, Nicolò Zagni, Tommaso Zanotti	CL4
Carlo Alberto Rinaldini	Heat production and recovery, engine modelling, design and production	Enrico Mattarelli	CL4, CL5, European Defence Fund
Marcello Romagnoli	Device preparation and characterization, and the construction of electrocatalytic hydrogen production and fuel cell prototypes	Francesco Tassinari, Claudio Fontanesi, Paolo Emilio Snatangelo	Pathfinder Open
Cristina Siligardi	Microplastics, photocatalysis, life cycle assessment, biotechnological process	Erika Cedillo	ERC
Enrico Stalio	Turbulence theory, phenomena, and models	Andrea Cimarelli, Diego Angeli	MSCA DN
Alberto Verganno	Recycling technologies for circular Aluminium, Robust Design tools for a solid Paradigm Shift advancement	Paolo Veronesi, Francecso Leali, Roberto Giovanardi, Elena Colombini, Fabio Pini	CL4
Paolo Veronesi	Digital twin, energy-intensive industrial sectors, energy efficiency, energy flexibility, microwavebased heating, data-driven models	Cristina Leonelli, Isabella Lancellotti, Roberto Giovanardi, Elena Colombini, Fernanda Nora Andreola	CL4
Giorgio Maria Vitetta	Wireless networks, mmWave 5G technology, digital communications, localization algorithms, signal processing methods for radar systems	Pasquale Di Viesti	Pathfinder, MSCA DN
Barbara Zardin	Hydraulic compression for high capacity hydrogen refuelling station Demonstration, process simulation and sizing of the system.	Massimo Borghi	JTI Clean Hydrogen



05

HORIZON
EUROPE



Question 5

How many Pillars
form the Horizon
Europe
programme?

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**How many Pillars form the
Horizon Europe
programme?**

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Question 6

What does EIC stand for?

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What does EIC stand for?

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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

European Research Council

Marie Skłodowska-Curie

Research Infrastructures



Pillar II
GLOBAL CHALLENGES &
EUROPEAN INDUSTRIAL
COMPETITIVENESS

Clusters

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

Joint Research Centre



Pillar III
INNOVATIVE EUROPE

European Innovation
Council

European Innovation
Ecosystems

European Institute of
Innovation & Technology*

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

CHOOSE THE RIGHT CALL



CALL	AIM	PARTNERS	PAGES	BUDGET	DURATION	DOC	SUPPORT
ERC	Support investigator-driven frontier research across all fields. Bottom up.	Single applicant	5 + 14 pages	1.5 - 2.5 millions	5 years	Work programme Panel info Template	Budget Proof reading 10%
ERC Synergy	Support for a small group of PIs to jointly address ambitious research problems that could not be addressed individually. Bottom up.	2 - 4	5+ 15 pages	10 millions	6 years	Work programme Panel info Template	Consortium management Budget Proof reading 10%
MSCA DN	Doctoral education through mobility (between countries, sectors and disciplines). Bottom up.	3 - 10 + associate partners	34 pages	Max 360 PM	Up to 4 years	Work programme Guide for applicants Template	Consortium management Proposal design Proof reading 20%-25%
MSCA SE	Funds short-term international and inter-sectoral exchanges of staff members involved in research and innovation activities of participating organisations	3 - 20	30 pages	Max 360 PM	Up to 4 years	Work programme Guide for applicants Template	Consortium management Proposal design Proof reading 20-25%

CHOOSE THE RIGHT CALL



CALL	AIM	PARTNERS	PAGES	BUDGET	DURATION	DOC	SUPPORT
CLUSTER	Cross-disciplinary, cross-sectoral, cross-policy and cross-border collaboration in pursuit of the SDGs. Top down.	Min. 3	45 pages	See the call	3 - 4 years	Work programme Template Destination Evaluation criteria	Consortium management Proposal design Proof reading 30%
MISSION	EU Missions are a new way to bring concrete solutions to some of our greatest challenges. Top down.	Min. 3	45 pages	See the call	3 - 4 years	Work programme Destination Template Evaluation criteria	Consortium management Proposal design Proof reading 30%
PARTNERSHIPS	Private and/or public partners together to address some of Europe's most pressing challenges through concerted research and innovation initiative.	Min. 3	45 pages	See the call	3 - 4 years	Work programme Destination Template Partnership Agreement Evaluation criteria	Consortium management Proposal design Proof reading 30%

CHOOSE THE RIGHT CALL



CALL	AIM	PARTNERS	PAGES	BUDGET	DURATION	DOC	SUPPORT
EIC PATHFINDER	Earliest stages of breakthrough technologies and disruptive innovations. Bottom up. Achieving TRL 3-4.	3 - 5	20 pages	3 millions	3 years	Work programme Template Evaluation criteria	Consortium management Proposal design Proof reading 20-25%
EIC CHALLENGE	Breakthrough technologies and disruptive innovations. Top down. TRL depending on the call.	3 - 5	25 pages	3 millions	3 years	Work programme Challenge guide Template Evaluation criteria	Consortium management Proposal design Proof reading 20-25%
EIC TRANSITION	Supports maturation and validation of novel technologies from the lab to the relevant application environments. Achieving TRL 5-6. Proposal must build on results already achieved within an eligible project that are, at least TRL 3 or 4.	Single applicants (SME, spin-off, start-up, RO, universities) or small consortia (2-5)	22 pages	2.5 millions	1 - 3 years	Work programme Template Evaluation criteria	Consortium management Proposal design Proof reading 20-25%

WHO CAN PARTECIPATE?

- Research institutions (universities, RTOs)
- Small and medium-sized enterprises
- Subcontractors and affiliated entities
- Large industrial, multinational and intercontinental groups
- Associate partners from non-EU countries
- Individual researcher
- Any entity that meets the requirements to be assigned a valid PIC code

WHERE TO FIND CALLS AND DOCUMENTS?

European Commission | EU Funding & Tenders Portal

Sign in EN

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

Search...

Discover the funding & tenders opportunities

Find out how to participate by following these key steps.

- Find calls for proposals**
Explore the available EU funding opportunities by searching for calls for proposals within your topics of interest, find partners and submit a proposal.
- Find calls for tenders**
Find business opportunities in the calls for tenders managed by EU institutions, bodies and agencies.
- View projects and results**
Browse through EU funded projects and learn about the results. Invest in opportunities and get inspired by the highlights and success stories.
- Work as an expert**
Proposals and projects need evaluations, monitoring and domain-specific knowledge advice from experts.

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>

USEFUL DOCUMENTS

- WORKPROGRAMME
- CALL
- STANDARD APPLICATION FORM
- STANDARD EVALUATION FORM
- GUIDE FOR APPLICANTS (for MSCA Action)

STANDARD APPLICATION FORM

PART A

(TO BE COMPLETED ONLINE)

- 01.** General information
- 02.** Participants
- 03.** Budget
- 04.** Ethics and security
- 05.** Other questions



PART B

(UPLOADED AS A PDF)

- 01.** EXCELLENCE
 - 1.1 Objectives and ambition
 - 1.2 Methodology
- 02.** IMPACT
 - 2.1 Project pathways towards the impact
 - 2.2 Measures to maximize the impact
 - 2.3 Summary
- 03.** IMPLEMENTATION
 - 3.1 Work plan and resources
 - 3.2 Capacity of participants and consortium as a whole

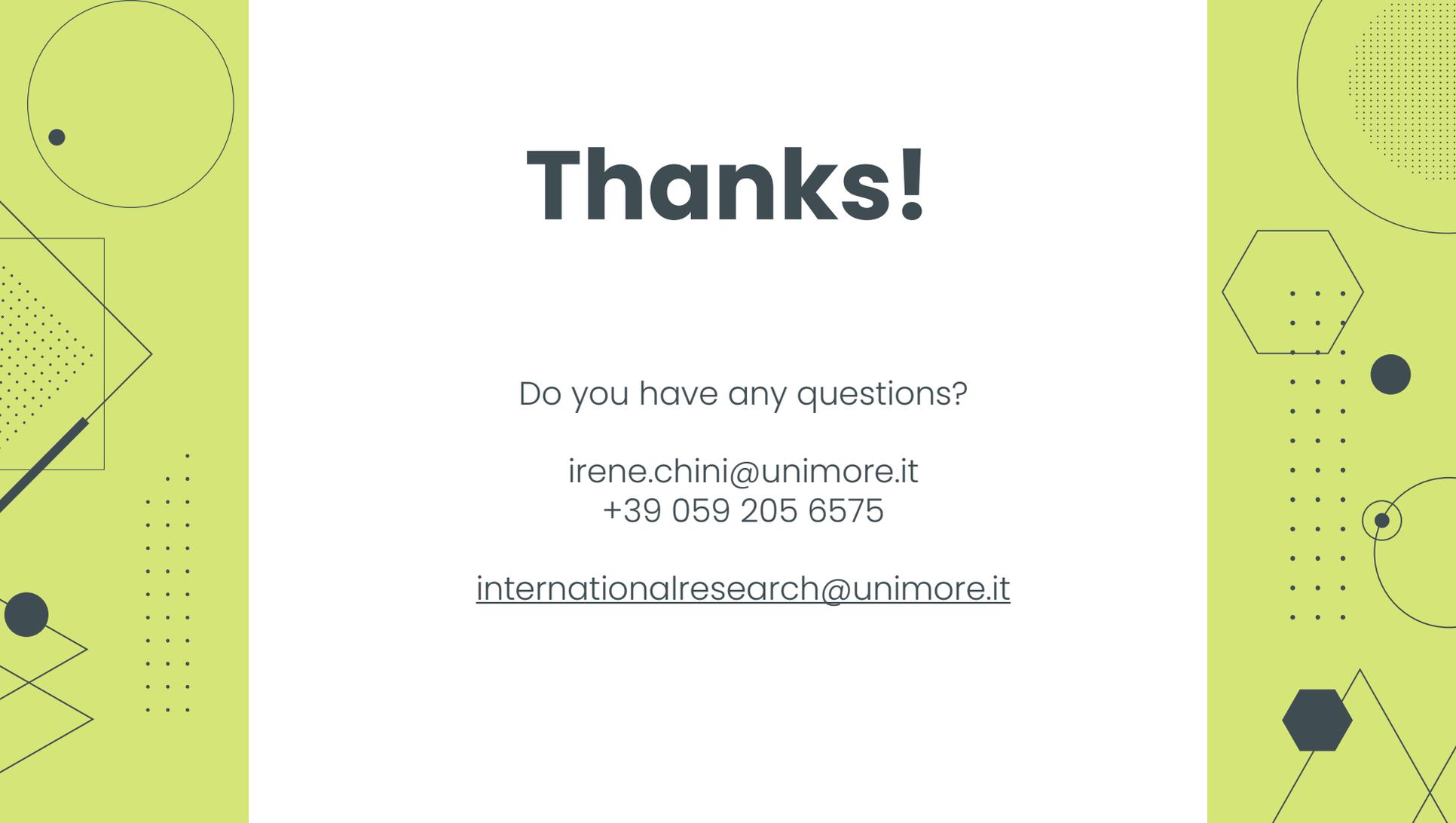


06

Browsing a proposal template

PROJECT DOCUMENTS

- STANDARD APPLICATION FORM
- SAMPLE APPLICATION FORM
- SAMPLE PROJECT PROPOSAL – FORM A
- SAMPLE PROJECT PROPOSAL – FORM B
- SAMPLE EVALUATION SUMMARY REPORT



Thanks!

Do you have any questions?

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