

European Research Council (ERC) European Innovation Council (EIC)

Μαρία Χριστίνα Χειμωνίδα

Εθνικό Σημείο Επαφής EIC, MSCA, ERC

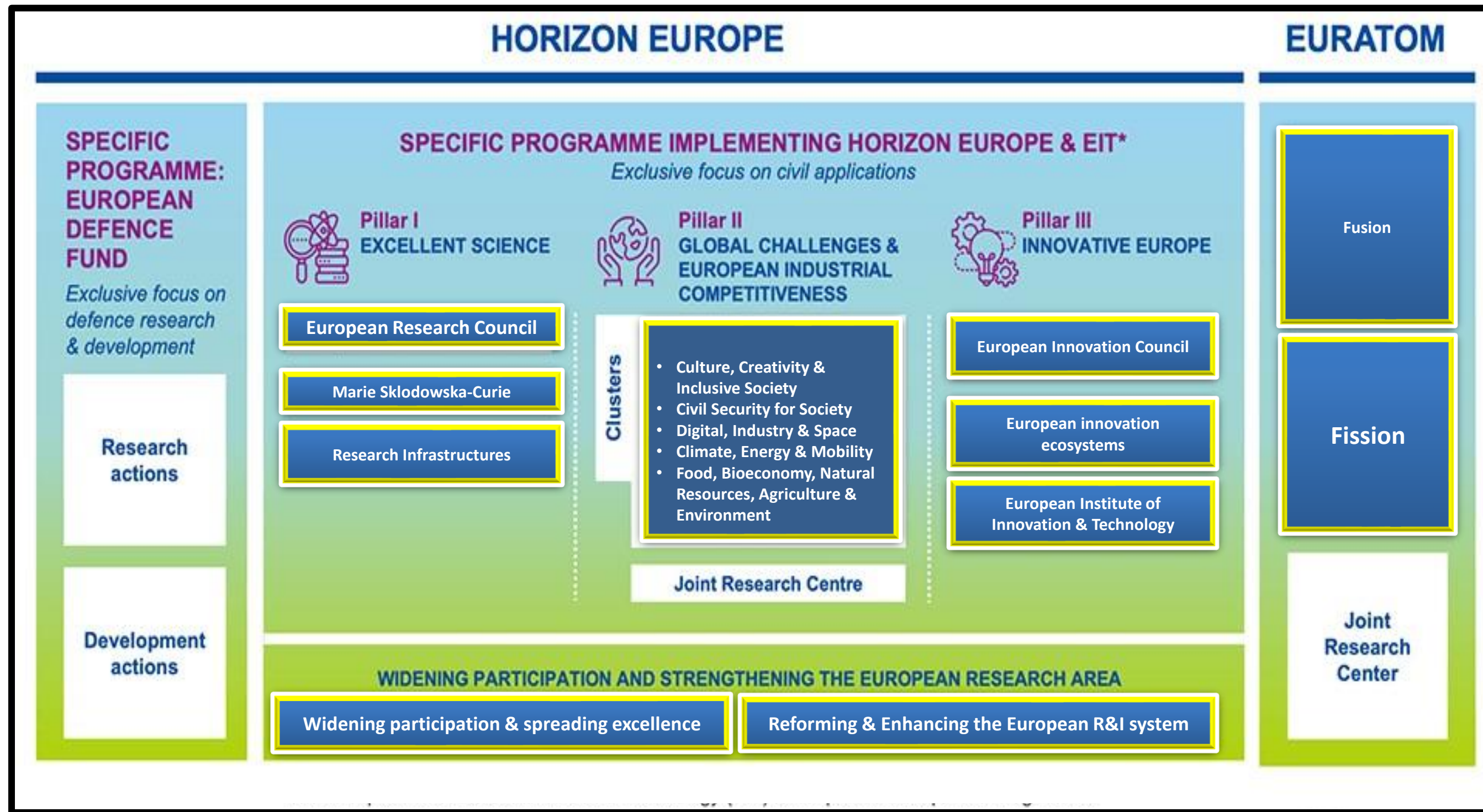
ΕΝΗΜΕΡΩΤΙΚΟ ΣΕΜΙΝΑΡΙΟ

ΓΕΩΠΟΝΙΚΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΘΗΝΩΝ

Πέμπτη 19 Ιουνίου 2025



Το Δίκτυο ΠΡΑΞΗ ως Εθνικό Σημείο Επαφής

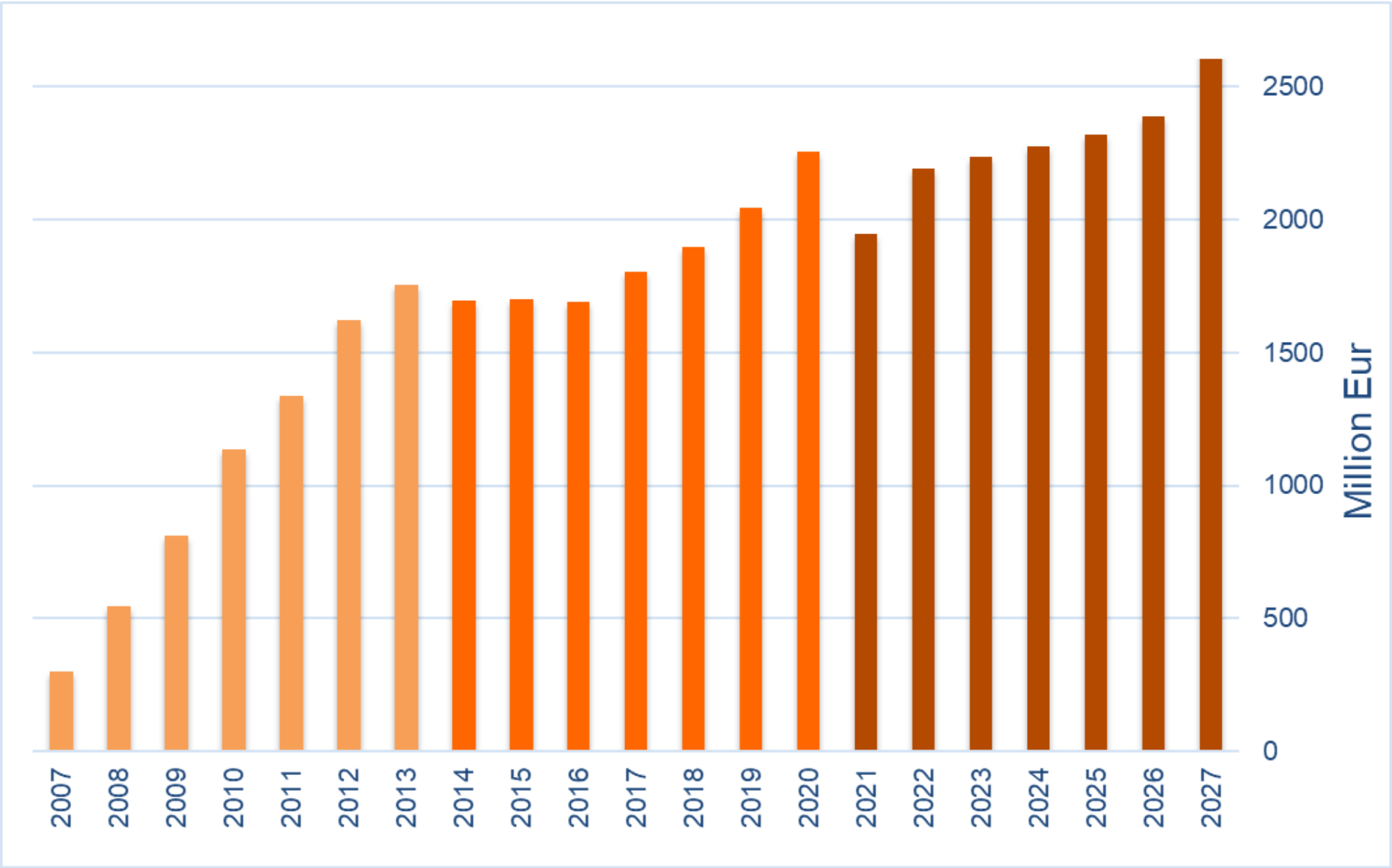


European Research Council

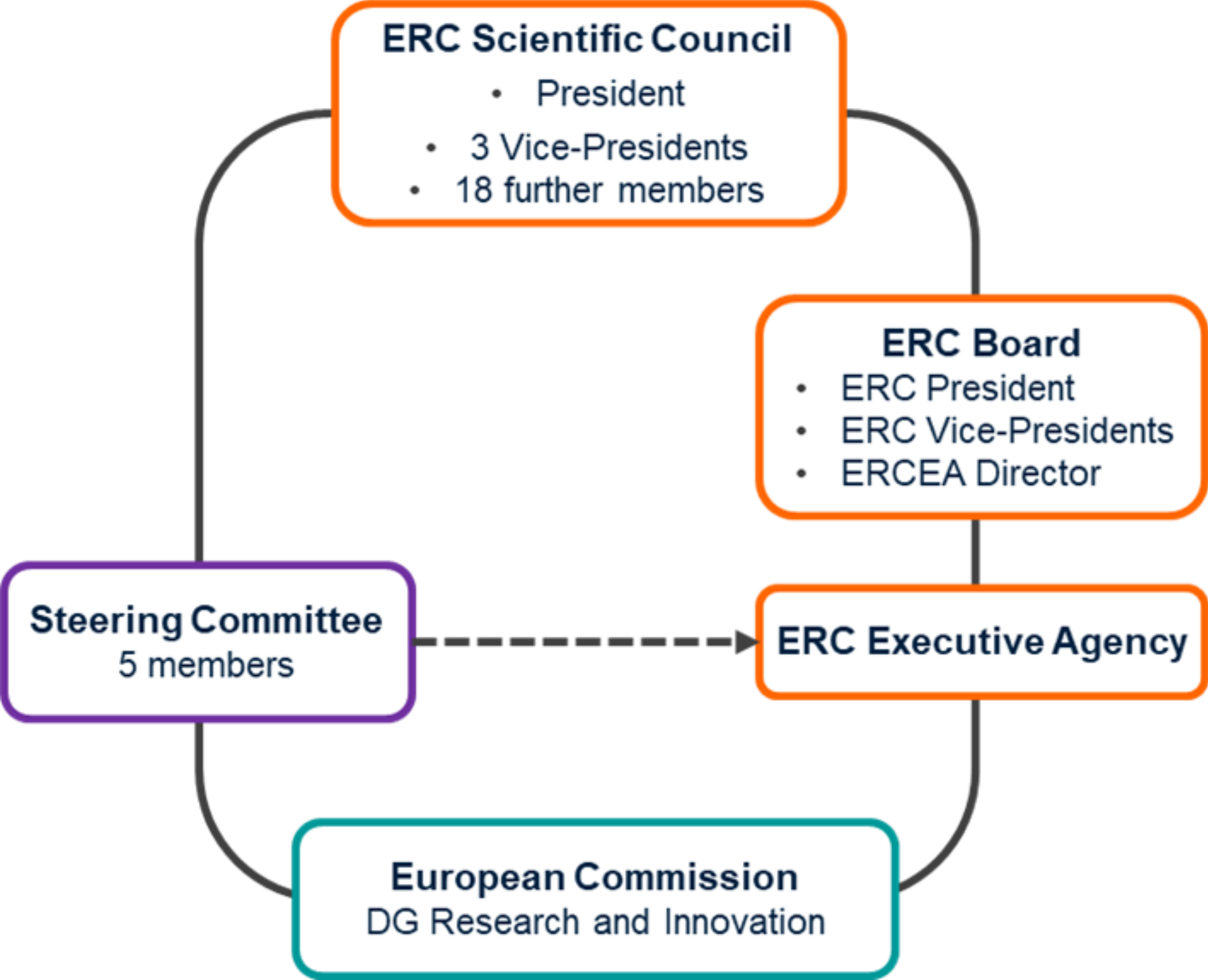
Λίγα λόγια για το ERC

ERC: EU priority

- FP7: €7.5 billion
- H2020: €13 billion
- HE: €16 billion



European Commission και ERC



EUR 16 billion



17%

του ολικού προϋπολογισμού του Horizon Europe



Λίγα λόγια για το ERC



13,000

Άριστοι ερευνητές έχουν χρηματοδοτηθεί από την ίδρυση του ERC από το 2007



> **90,000**

Ερευνητές και λοιποί επαγγελματίες έχουν απασχοληθεί σε ERC projects



> **2,400**

πατέντες και λοιπά πνευματικά δικαιώματα έχουν κατοχυρωθεί βάσει αποτελεσμάτων των ERC projects



> **400**

start-ups ιδρύθηκαν από ERC grantees



> **220,000**

Επιστημονικά άρθρα δημοσιεύθηκαν από ERC projects



> **900**

Ιδρύματα, ερευνητικά και Πανεπιστήμια



89

Εθνικότητες



14 Nobel Prizes, **6** Fields Medals, **11** Wolf Prizes
στους ERC grantees

Κριτήριο η Αριστεία

Αριστεία ως προς την πρόταση

- Ρηξικέλευθη έρευνα
- Φιλόδοξη
- Υλοποιήσιμη

Αριστεία του Ερευνητή

- Ικανότητες
- Δημιουργικότητα
- Δέσμευση

Το ERC προσφέρει ανεξαρτησία, αναγνωρησιμότητα και ορατότητα για:

- Τη δυνατότητα εργασίας του ερευνητή στο αντικείμενο που επιθυμεί
- Οικονομική ανεξαρτησία για 5 χρόνια
- Δυνατότητα προσέλκυσης άριστου προσωπικού για στελέχωση από όλον τον κόσμο
- Δυνατότητα απόκτησης περαιτέρω χρηματοδότησης

Δυνατότητα υποβολής προτάσεων ερευνητών παγκοσμίως με κατάλληλο φορέα

- Ερευνητές εκτός ΕΕ/σχετιζόμενων χωρών ΟΕ δύναται να λάβουν επιπλέον “start-up” funding για εγκατάσταση (€ 1 M)
- Οι Ερευνητές μπορούν να διατηρήσουν τις προηγούμενες σχέσεις εργασίας με φορείς εκτός Ευρώπης (50% του χρόνου στο φορέα εκτέλεσης της χρηματοδότησης ERC)
- Οι ομάδες δύναται να λειτουργούν και εκτός Ευρώπης
- Δυνατότητα μετακίνησης της χρηματοδότησης

ERC grants



Life Sciences



Physical Sciences and Engineering



Social Sciences and Humanities



Starting Grants

starters (2-7 χρόνια μετά το PhD) μέχρι € 1.5 εκ για 5 χρόνια



Consolidator Grants

Consolidators (7-12 χρόνια μετά το PhD) μέχρι € 2 εκ για 5 χρόνια



Advanced Grants

Σημαντικά ερευνητικά επιτεύγματα τα τελ. 10 χρόνια
€ 2.5 εκ για 5 χρόνια



Synergy Grants

2 – 4 Ερευνητές – Μέχρι € 10.0 εκ για 6 χρόνια
1 PI και εκτός ΕΕ/Συσχετιζόμενων χωρών



Proof-of-Concept

Γεφύρωση έρευνας και μεταφοράς τεχνολογίας για εμπορική αξιοποίηση
lump sum €150,000 για ERC grantees

2024-2025 Ημερολόγιο ERC

ERC calls	Call Opening	Submission Deadline
Starting Grants ERC-2025-StG	10/07/2024	15/10/2024
Consolidator Grants ERC-2025-CoG	26/09/2024	14/01/2025
Advanced Grants ERC-2025-AdG	22/05/2025	28/08/2025

ERC calls	Call Opening	Submission Deadline
Synergy Grants ERC-2025-SyG	11/07/2024	06/11/2024
Proof of Concept ERC-2025-PoC	16/11/2023	13/03/2025, 18/09/2025

Βασικές πληροφορίες για την αίτηση

Εμπλεκόμενοι

Κύριος Ερευνητής (Principal Investigator, PI): Οποιασδήποτε εθνικότητας

Ίδρυμα φιλοξενίας (Host Institution, HI): Πανεπιστήμιο ή ερευνητικός φορέας σε χώρα της Ε.Ε. ή Associated country

Μono-beneficiary: δεν χρειάζεται δημιουργία κοινοπραξίας (εκτός από τα Synergy Grants)

Μη κατευθυνόμενη εξερεύνηση των Ορίων της Γνώσης

Πρωτοποριακή Έρευνα (breakthrough research)

Έρευνα Αιχμής (Frontier research)

Ρηξικέλευθη Έρευνα (Groundbreaking research)

Bottom-up research

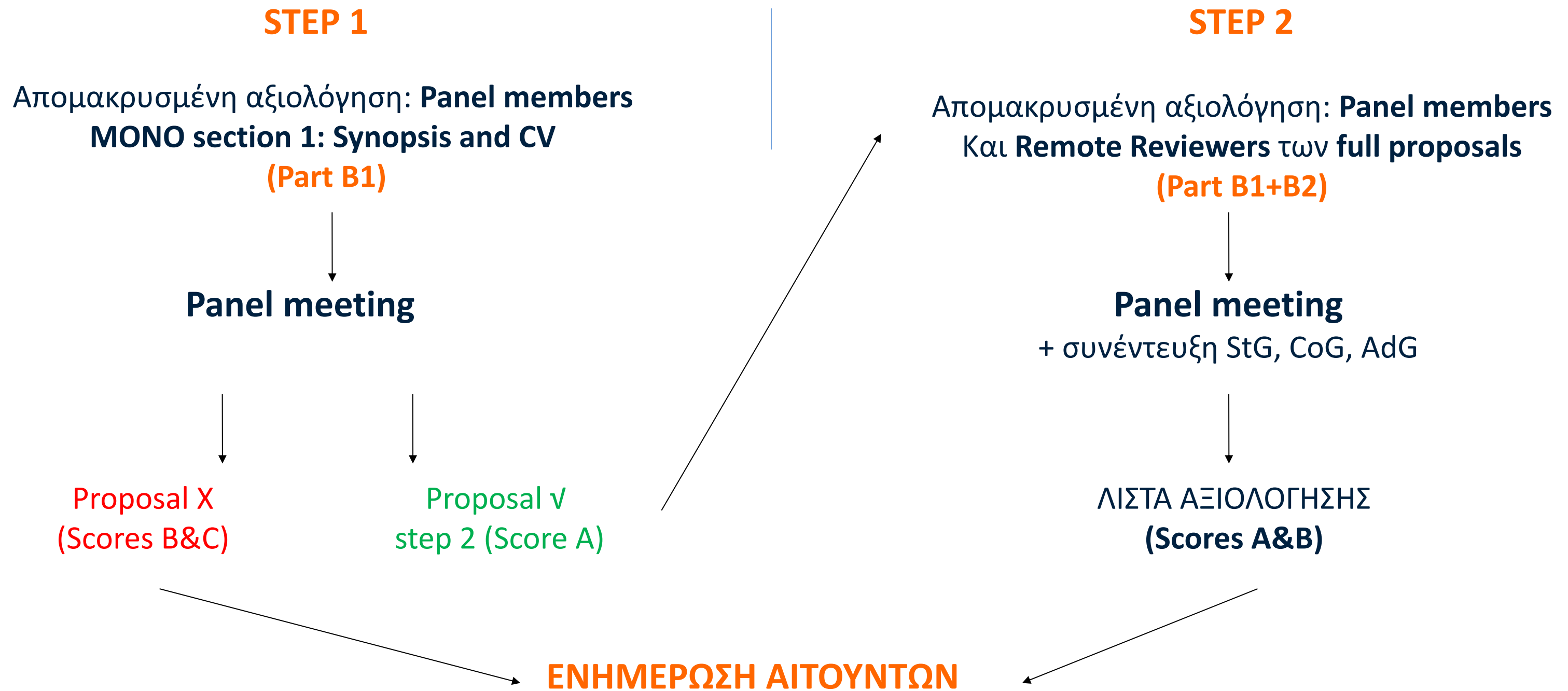
Not policy-oriented research

Βασικές πληροφορίες για την αίτηση

Part A	• Administrative form (online) • General, participants, budget allocation, ethics & security, defense date, extension, working time commitment etc.	Part A
Part B1	2024 • Extended synopsis (5 p) • CV (4 p) 2025 • Excellence, SoA, objectives, research strategy (5 p) • CV (4 p)	Part I
Part B2	• 14-page • Full proposal Implementation, methodology, work plan, risks, mitigation (7 p)	Part II
Supporting documents	• PhD • Extension documents • Ethics assessment	Supporting documents
HI letter(s)	• Commitment letter(s) from Host Institution(s)	HI letter(s)

ΑΞΙΟΛΟΓΗΣΗ: διαδικασία

Μια υποβολή, αξιολόγηση δυο βημάτων but a two-step evaluation



ΑΞΙΟΛΟΓΗΣΗ: panels (2024)

Life Sciences

- LS1 Molecules of Life: Biological Mechanisms, Structures and Functions
- LS2 Integrative Biology: From Genes and Genomes to Systems
- LS3 Cell Biology, Development, Stem Cells and Regeneration
- LS4 Physiology in Health, Disease and Ageing
- LS5 Neuroscience and Disorders of the Nervous System
- LS6 Immunity, Infection and Immunotherapy
- ¹⁴LS7 Prevention, Diagnosis and Treatment of Human Diseases
- LS8 Environmental Biology, Ecology and Evolution
- LS9 Biotechnology and Biosystems Engineering

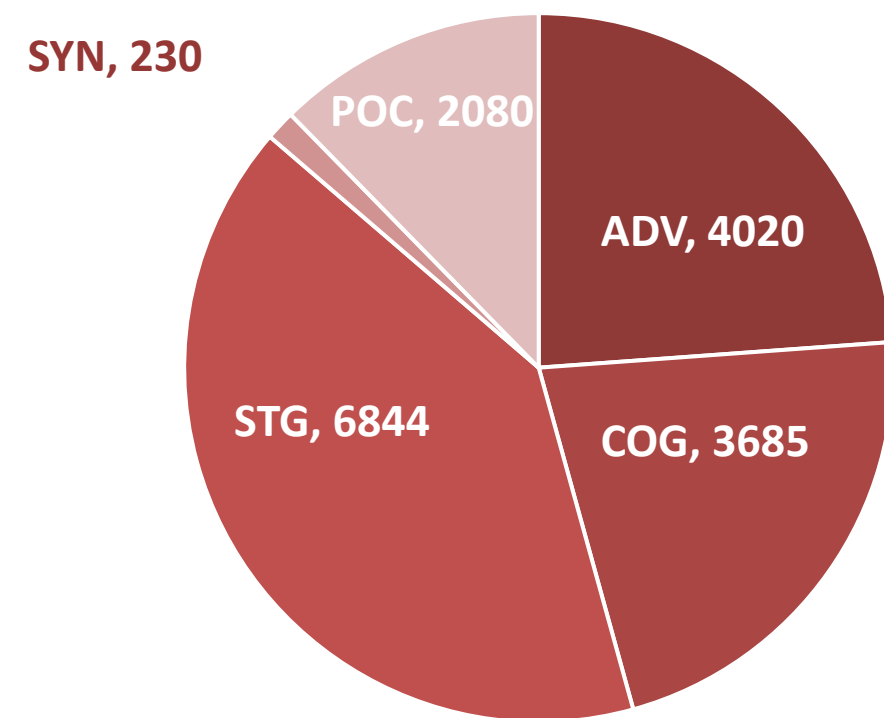
Physical Sciences & Engineering

- PE1 Mathematics
- PE2 Fundamental Constituents of Matter
- PE3 Condensed Matter Physics
- PE4 Physical and Analytical Chemical Sciences
- PE5 Synthetic Chemistry and Materials
- PE6 Computer Science and Informatics
- PE7 Systems and Communication Engineering
- PE8 Products and Processes Engineering
- PE9 Universe Sciences
- PE10 Earth System Science
- PE11 Materials Engineering

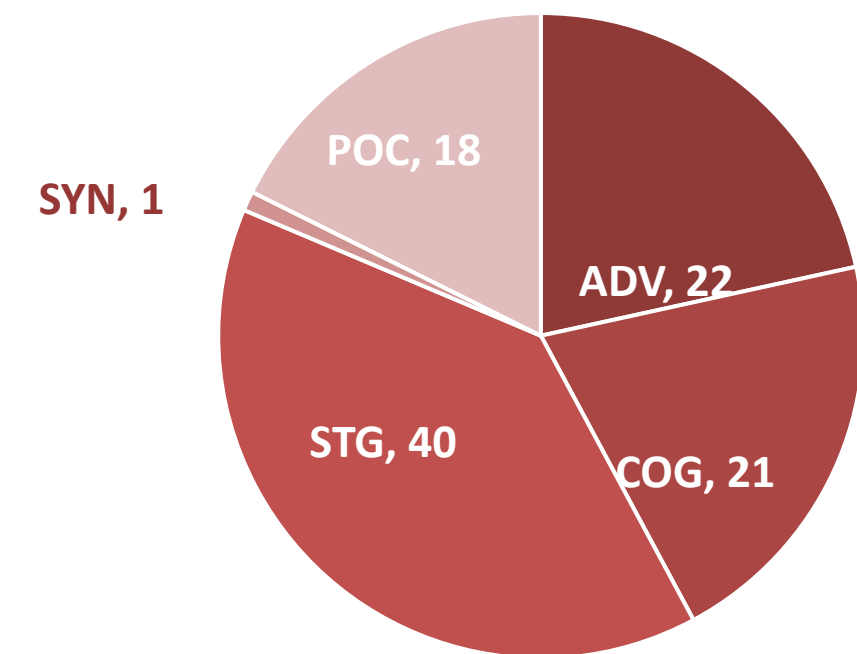
Social Sciences and Humanities

- SH1 Individuals, Markets and Organisations
- SH2 Institutions, Governance and Legal Systems
- SH3 The Social World and Its Interactions
- SH4 The Human Mind and Its Complexity
- SH5 Texts and Concepts
- SH6 The Study of the Human Past
- SH7 Human Mobility, Environment, and Space
- SH8 Studies of Cultures and Arts

ERC funded projects στην ΕΕ



Αριθμός projects



ERC funded projects στην Ελλάδα



29,2 M



•Videos - ERC Classes

- Πριν την έναρξη της υποβολής
- Συμπλήρωση αίτησης
- Συνέντευξη
- Αξιολόγηση

- Δείτε τα videos εδώ

Το Δίκτυο ΠΡΑΞΗ ως Εθνικό Σημείο Επαφής για το ERC



Δρ Ευρώπη-Σοφία Δαλαμπίρα
Σύμβουλος μεταφοράς τεχνολογίας



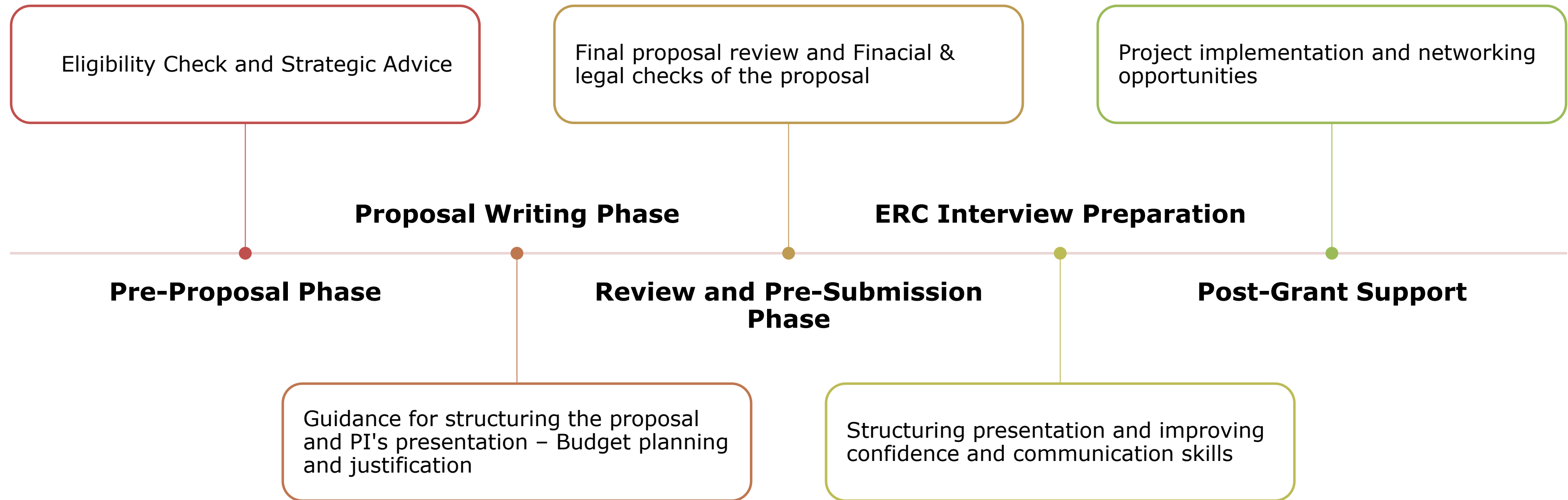
Δρ Μαρία – Χριστίνα Χειμωνίδη
Σύμβουλος Μεταφοράς Τεχνολογίας



Εθνική Εκπρόσωπος ERC:

Δρ. Άλκηστις Μπονάνου (Εθνικό Αστεροσκοπείο Αθηνών)

Τι υποστήριξη μπορώ να λάβω από τα Εθνικά Σημεία Επαφής του ERC;



European Innovation Council

Χρηματοδοτικά εργαλεία EIC



EIC Pathfinder challenges

TRL 1-3/4

	Pathfinder Challenges
Total budget	€120 million
Proposals (indicative)	Up to €4 million or more if justified
Funding rate	100% of eligible costs, lump sums
Opening	28 July 2025
Deadline	29 October 2025 at 17.00 CET
Length of proposal	30-page proposal (part B)
Applicants	Consortia: • If 2 partners: from different MS/AC, • If 3+ partners: from min 3 different MS/AC of which at least 1 partner in a MS Single legal entities in a MS/AC



Στόχος:
Υποστήριξη της ανάπτυξης της επιστημονικής βάσης για πρωτοποριακές τεχνολογίες.



Towards autonomous robot collectives delivering collaborative tasks in dynamic unstructured construction environments

€ 30 million



Biotech for Climate Resilient Crops and Plant-Based Biomanufacturing

€ 30 million



Waste-to-value devices: Circular production of renewable fuels, chemicals and materials

€ 30 million



Generative-AI based Agents to Revolutionize Medical Diagnosis and Treatment of Cancer

€ 30 million

EIC Pathfinder challenge



Biotech for Climate Resilient Crops and Plant-Based
Biomanufacturing

€ 30 million

The production of climate-resilient crops and develop alternative pathways to produce high value ingredients in plants by increasing nutrient profile of crops based on plant native and/or non-native ingredients.

Specific objectives

Novel production processes that must deliver energy- and resource-efficient, low emission foods that maintain or increase biodiversity and are integral to a healthy diet. Funded projects are expected to develop breakthrough technologies that reach TRL4 (validation in laboratory environment) with viable plants at the end of the projects. The proposals should work on both the following objectives:

- Increasing plant growth, yields and resistance to stress through:
 - o Enhancing tolerance to stress combinations occurring due to different climate scenarios that include the simultaneous exposure of crops to different stresses e.g. heat combined with drought, salinity, flooding, high CO₂ levels, as well as indirect effect of climate change via altered composition and behaviour of weeds, insects, pathogens and soil microbiome and possible impact of human-generated pollutants.
 - o Increasing water use efficiency and nutrient use efficiency compared to current crops in commercial use.
 - o Improving plant reproduction and seed filling processes under unfavourable conditions caused by combination of at least two stress factors.
 - o Investigating and enhancing plant and soil microbiome interactions.
- Substantially increasing the nutritional value (e.g. proteins, vitamins) in crops through plant native and non-native ingredients in crops.

EIC Transition

TRL 3/4-6



Στόχος:
Επικύρωση τεχνολογίας
και αρχική ανάπτυξη
επιχειρηματικών πλάνων

	Transition
Total budget	€98 million
Proposals (indicative)	Up to €2.5 million
Funding rate	100% of eligible costs
Opening	April 2025
Deadline	17 September 2025 at 17.00 CEST
Length of proposal	22-page proposal (part B)
Interview*	11-13 weeks after the deadline
Applicants	Consortia: • If 2 partners: from 2 different MS/AC, • If 3+ partners: from min 3 different MS/AC of which at least 1 partner in a MS Single legal entities in a MS/AC

Who can apply*?

Pathfinder & H2020 FET

ERC PoC

H2020 SC&LEIT+HE Pillar II

JUs except FSTP grants

EDF (PADR)

**-Only TRL3/4 achieved; no IA/ ERAnets*

-Started 12 months before or ended less than 30 months after the call deadline

PreAccelerator (HORIZON-WIDERA-2025-02)

- **Eligible applicants:**
 - Mono-beneficiary for SMEs in Widening countries
 - Early stage deep-tech start ups with secured commitments
- **Starting TRL: 4**
- **Ending TRL: 6 (Accelerator – ready)**
- **Funding rate: 70%**
- **EU funding: 300-500k euros**
- **Seal of excellence to be awarded***

- **Budget for 40-50 projects**
- **Duration: 2 years**
- **Funding: Lump sum**
- **Access to Business Acceleration Services available by the EIC**

• **Deadline: 18 November 2025**

* *Gateway for accessing funding under nationally managed budgets*

EIC Accelerator

TRL6-8

 **Στόχος:**
Ολοκλήρωση και scale up
καινοτόμων προϊόντων με
σκοπό τη δημιουργία
νέων αγορών

	Accelerator Open	Accelerator Challenges
Total budget	€384 million	€250 million
Proposals (indicative)	Up to €2.5 million grant + up to €10 million equity	NEW
Funding rate	70% of eligible costs	70% of eligible costs
Opening	26 November 2024	26 November 2024
Deadlines	12 March 2025 at 17.00 CET 1 October 2025 at 17.00 CEST	12 March 2025 at 17.00 CET 1 October 2025 at 17.00 CEST
Application process	Short proposal + full proposal + interview	
Applicants	Single company (SME or mid-cup) in MS/AS One or more natural persons from MS/AS	

EIC Accelerator challenges

ACCELERATOR CHALLENGES



Acceleration of advanced materials development and upscaling along the value chain

€ 50 million



Biotechnology driven low emission food and feed production systems

€ 50 million



GenAI4EU: Creating European Champions in Generative AI

€ 50 million



Innovative in-space servicing, operations, robotics and technologies for resilient EU space infrastructure

€ 50 million



Breakthrough innovations for future mobility

€ 50 million

Indicative call budget

€ 250 million

EIC Accelerator challenge



Biotechnology driven low emission food and feed production systems

€ 50 million

- **Biotechnology for biopesticides, bio-stimulants, and fertilizers of microbial origin:** This strand focuses on scaling breakthroughs in the use of microorganisms or their biological components, and enzymatic or other biotechnology-based processes using biomass residues/waste streams in an innovative and sustainable way for the production of renewable materials thus contributing to the circular economy and preserving biodiversity.
- **Biotechnology to support precision crop and livestock farming:** This covers approaches that could for example leverage new plant breeding technologies or enhance desirable traits through biotechnology to complement, and be integrated with, precision crop and livestock farming approaches to help increase yields and animal performance while reducing costs and optimising process inputs while reducing waste streams
- **Biotechnology for ruminant methane mitigation:** This includes approaches such as novel feed components, feed processing for digestibility, advanced feed additives and selective breeding, where compatible with livestock production system of EU animal welfare standards
- **Biotechnology for feed and food production:** This focuses on precision fermentation for the sustainable production of food and feed ingredients traditionally derived from animal or plant sources.

PRAXI Network: EIC National Contact Point



Dr Maria – Christina Cheimonidi
Technology Transfer Consultant



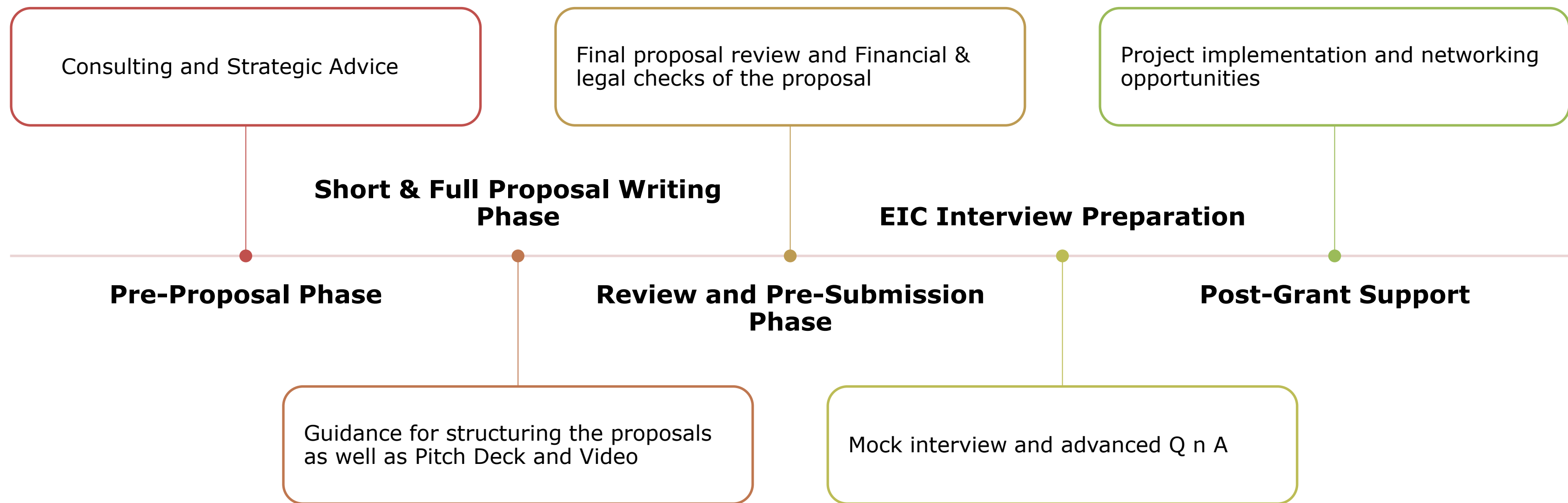
Dr Konstantinos Vavekis
Director at PRAXI Network



Dr Ioannis Kortidis
Technology Transfer Consultant



Τι υποστήριξη μπορώ να λάβω από τα Εθνικά Σημεία Επαφής του EIC;

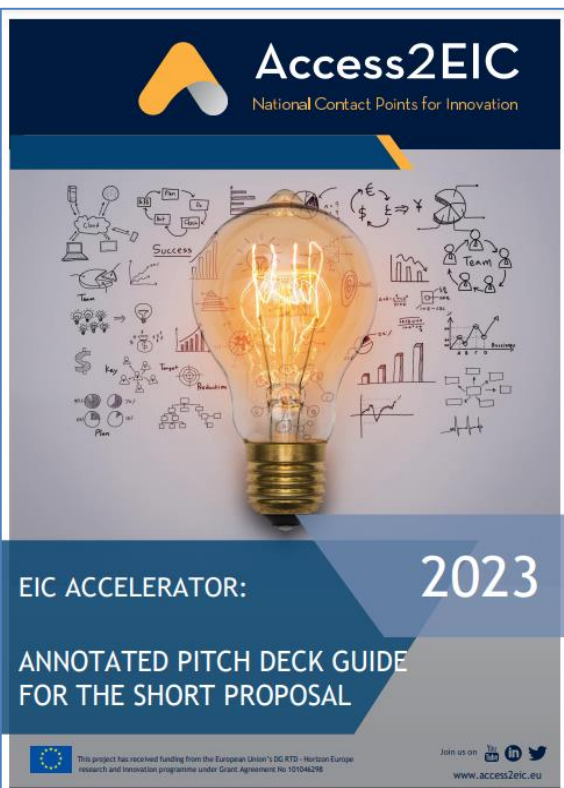




A2EIC-network of EIC NCPs



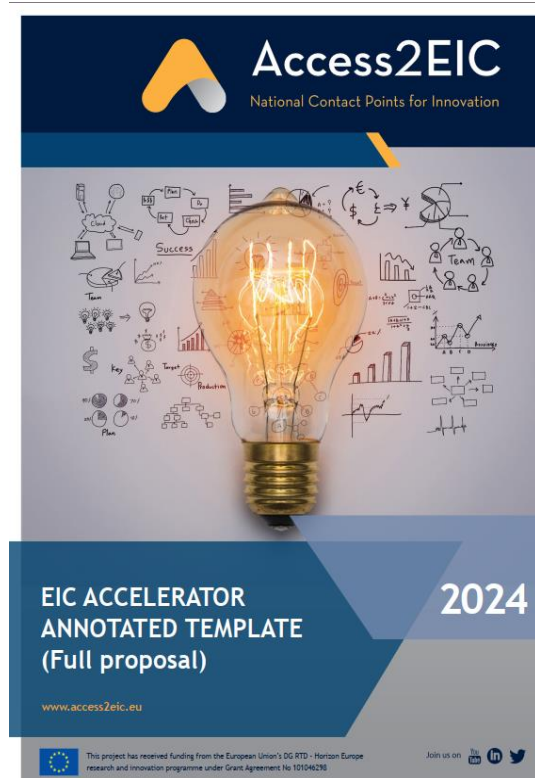
ACCESS2EIC is the network of 16 partners who share the common purpose to work as a network of EIC NCPs to support NCPs, applicants and raise the quality of applications



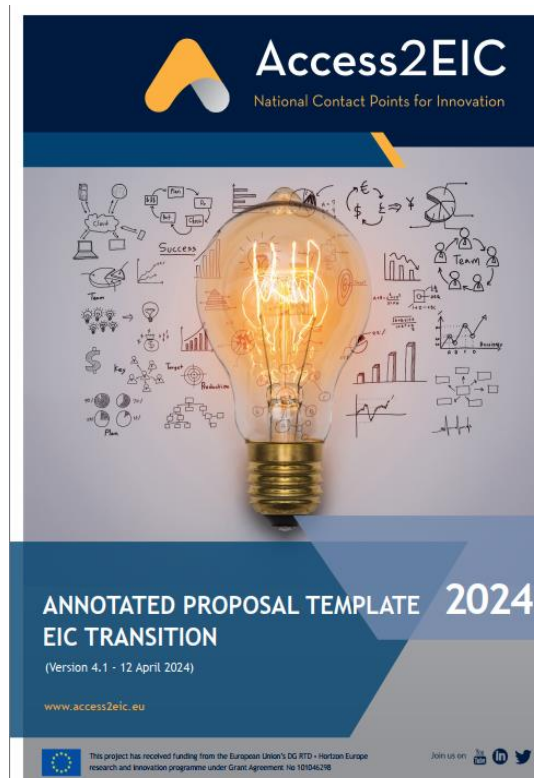
EIC Accelerator Annotated Pitch Deck for the Short Proposal



EIC Pathfinder Annotated Proposal Template



EIC Accelerator Annotated Template for the Full Proposal



EIC Transition Annotated Proposal Template



<https://access2eic.eu>



linkedin.com/company/access4smes/

www.Access2EIC.eu

Support to EIC Accelerator by the Enterprise Europe Network – EE2EIC

The **focus** of EEN2EIC is to empower EEN network offices to support potential EIC applicants, increase the number of quality proposals to EIC calls with a specific focus in:

- **Widening countries**
- **Women-led innovative companies**
- **Seal of Excellence holders**



EEN2EIC Consortium



<https://een2eic.eu/>



EIT Funding schemes and opportunities

- EIT and its KICs provide valuable alternatives to EIC funding, supporting startups at different stages of growth.
 - While the EIC Accelerator is a well-known funding scheme for high-risk, breakthrough innovations, companies ***can also benefit from EIT funding programs through its KICS.***
 - These programs target early-stage startups, scale-ups, and SMEs, helping them **validate, develop, and scale their innovations.**
-
- ❑ ERMA Booster: EIT Raw Materials is offering funding to startups, scale-ups, SMEs, and mining or recycling projects within the raw materials sector. <https://eitrawmaterials.eu/erma-booster-call> Deadline: 2025-09-08
 - ❑ Proof-of-Concept Co-Financing Instrument between Start Ups and Corporate Clients by EIT FOOD. <https://www.eitfood.eu/open-calls/proof-of-concept-co-financing-instrument> Deadline: 2025-11-30

Χρηματοδοτικά εργαλεία EIC στην Ελλάδα
(2021-2024)

EIC Pathfinder (25/5)

EIC Accelerator (3)

Phosprint, Solmeyea,
ArgoSemi

EIC Transition (3/3)



EIC Pathfinder Challenges (12/3)

EIC Fund equity
investment (3)

BriteSolar, Solmeyea,
ArgoSemi

EIC Transition Challenges (1)



Seal of Excellence (3)



34,3 M



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