TECHNISCHE UNIVERSITÄT DRESDEN

DRESDEN concept

European Project Center

# Horizon Europe and other Funding Opportunities

COMP-ECO Workshop

19.06.2023

Warsaw, PL

EPC European Project Center

# WORKSHOP AGENDA

## Preparing for Horizon Europe

1. HEU in a nutshell
2. ERC & MSCA
3. EIC & Cluster 4 & 5
4. Partner-ships
5. ERA-Net & COST ACTION
6. Strategic Plan
7. Net-working & Lobbying
8. Project idea



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# HORIZON EUROPE
## Structure

**Pillar I**

### EXCELLENT SCIENCE

reinforcing and extending the excellence of the Union's science base

**Pillar II**

### GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETETIVENESS

boosting key technologies and solutions underpinning EU policies & Sustainable Development Goals

**Pillar III**

### INNOVATIVE EUROPE

stimulating market-creating breakthroughs and ecosystems conducive to innovation

### WIDENING PARTICIPATIONS & STRENGTHENING THE EUROPEAN RESEARCH AREA

optimising strengths & potential for a more innovative Europe



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# HEU FUNDING LINES

## Different types

Individual

Colla-
borative

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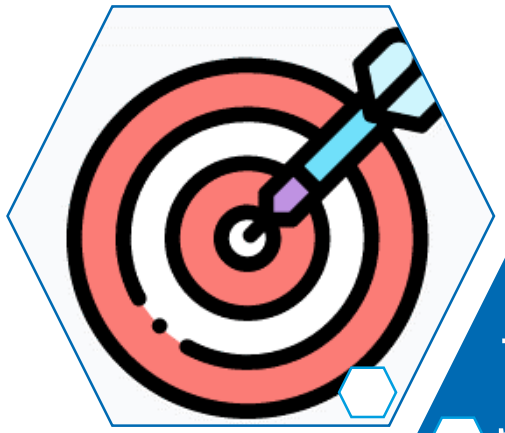
the European Union

# HEU FUNDING LINES

## Different types



Top-down, predefined topics

Bottom-up, open topics

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# HEU FUNDING LINES
## Bottom up ideas

### European Research Council

Frontier research by the best researchers and their teams

### Marie Skłodowska-Curie Action

Equipping researchers with new knowledge and skills through mobility and training

### European Innovation Council Pathfinder

Support to innovations with breakthrough and disruptive nature and scale up potential



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# HORIZON EUROPE
## European Research Council

**Pillar I**

### EXCELLENT SCIENCE

European Research Council (ERC)
**16 Bn EUR**

Marie Skłodowska-Curie Actions (MSCA)
6.6 Bn EUR

Research Infrastructures
2.4 Bn EUR

**25 Bn EUR**

**Pillar II**

### GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETETIVENESS

Thematic clusters

1. Health
2. Culture, creativity and inclusive Society
3. Civil Security for Society
4. Digital, Industry and Space
5. Climate, Energy and Mobility
6. Food, Bioeconomy, Natural Resources, Agriculture and Environment

Non-nuclear direct action of the Joint-Research Centre (JRC)

**53.5 Bn EUR**

**Pillar III**

### INNOVATIVE EUROPE

European Innovation Council (EIC)

European Innovation Ecosystem (EIE)

European Institute of Innovation and Technology (EIT)

**13.6 Bn EUR**

**3.4 Bn EUR**

### WIDENING PARTICIPATION & STRENGTHENING THE EUROPEAN RESEARCH AREA



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# EUROPEAN RESEARCH COUNCIL
## 5 funding lines

**Starting Grants**
for
young PostDocs (2-7 years after PhD), starting their own independent research team or programme (e.g. at least one important publication without doctoral supervisor)
up to **€ 1.5 Mio**
for **5 years**

**Consolidator Grants**
for
PostDocs (7 - 12 years after PhD) consolidating their own research team or programme (e.g. several important publications without doctoral supervisor)
up to **€ 2 Mio**
for **5 years**

**Advanced Grants**
for
already established research leaders with an excellent track-record of significant research achievements in the last 10 years
up to **€ 2.5 Mio**
for **5 years**

**Proof-of-Concept**
exploring the commercial or societal potential of running or recently finished ERC projects
**lump sum €150,000**

**Synergy Grants**
2 – 4 Principal Investigators
**up to € 10.0 Mio for 6 years**
1 PI can be based outside EU/AC



Funded by the European Union

# HORIZON EUROPE

## Marie Skłodowska-Curie Actions

**Pillar I**

### EXCELLENT SCIENCE

European Research Council (ERC)
16 Bn EUR

Marie Skłodowska-Curie Actions
(**MSCA**)
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Research Infrastructures
2.4 Bn EUR

**25 Bn EUR**

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### WIDENING PARTICIPATION & STRENGTHENING THE EUROPEAN RESEARCH AREA



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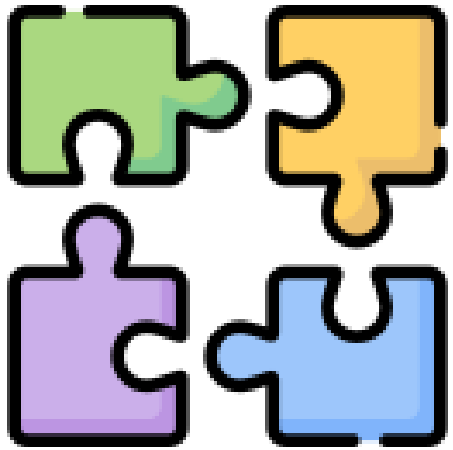
# Marie Skłodowska-Curie Actions (MSCA)
## Key features

- All research disciplines can participate (**'bottom-up'**)
- For any research and innovation ideas (basic research, market take-up)
- **Mobility** is a key requirement (cross-border, cross-sector)
- **Enhance skills** of people beyond research and innovation
- Strong participation **across sectors**
- Dissemination and **public engagement**



# MSCA – DOCTORAL NETWORKS

Types

| Doctoral Networks (DN) | Industrial Doctorates (DN-ID) | Joint Doctorates (DN-JD) |
|---|---|---|
| • Network of international institutions<br>• Both academic and non-acedemic partners are encouraged | • Both academic and non-academic beneficiaries recruit DCs<br>• DCs spend at least **50%** of their time in the **non-academic sector** | • Joint delivery of a **joint/double doctoral degree** that is recognised in at least two EU Member States or HEU Associated Countries |
| **Max. 540 person months** (≙ 15 DCs) | **Max. 540 person months** (≙ 15 DCs) | **Max. 540 person months** (≙ 15 DCs) |

# MSCA POSTDOCTORAL FELLOWSHIPS – FUNDING PRINCIPLES

- Free choice of research topic | **»bottom-up« principle**
- **Eligible Researchers:**
  - Requirement 1: **Research Experience**

    Only **postdoctoral researchers** are eligible, with max. **8 years** (full-time) research experience after the date of award of doctoral degree (at the call deadline **13th September 2023**)
  - Requirement 2: **Mobility rule**

    Researcher must not have resided or carried out their main activities in the country of the host organisation **for more than 12 months in the last 3 years** prior to the call-deadline
- **Eligible countries** for host organisations:
  - EU member states (MS) or Associated Countries (AC)
  - Third countries (for Global Fellowships)
- **Application: Postdoc together with the chosen host institution (i.e. TUD)**

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# FUNDING LINES WITH OPEN CALLS

## European Innovation Council

**Pillar I**

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**Pillar III**

### INNOVATIVE EUROPE

**European Innovation Council (EIC)**
**10.1 Bn EUR**

European Innovation Ecosystem (EIE)
0.5 Bn EUR

European Institute of Innovation and Technology (EIT)
3 Bn EUR

**13.6 Bn EUR**

**3.4 Bn EUR**

### WIDENING PARTICIPATION & STRENGTHENING THE EUROPEAN RESEARCH AREA



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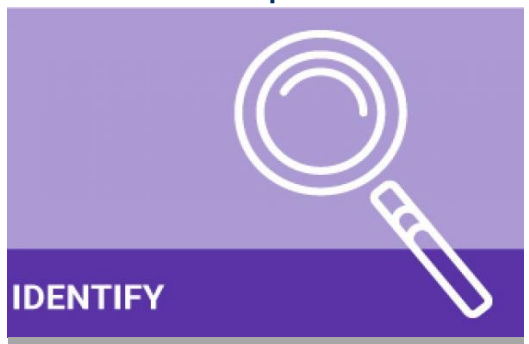
# FUNDING LINES WITH OPEN CALLS

## European Innovation Council (EIC)

Pillar I: Excellent Science | Pillar II: Global Challenges & European Industrial Competetiveness | Pillar III: Innovative Europe

Widening Participations & strengthening the European research area

The EIC is Europe's flagship innovation programme to identify, develop and scale up breakthrough technologies and game changing innovations




### EIC PATHFINDER

Early-stage technology research

Grants < 3 Mio EUR per project

### EIC TRANSITION

Technology validation and spin-out

Grants < 2.5 Mio EUR per project

### EIC ACCELERATOR

Commercialisation and scale-up

Grants < 2.5 Mio EUR per project

Equity investments < 15 Mio EUR

# EUROPEAN INNOVATION COUNCIL
## EIC PATHFINDER

European Innovation Council

- Supports the exploration of bold ideas for **radically new technologies** with potentially high impact
- Welcomes **high-risk / high gain** and interdisciplinary cutting edge science collaborations
- Goes beyond what is already known
- Supports early-stage projects with potential to **create new markets** and address global challenges
- Projects typically involve **consortia** of researchers and other partners from at least **three different countries**
- **TRL 1-4**
- **Open** (no thematic limitations) or **Challenges (**pre-defined areas of research)
- Access to business acceleration services (e.g. coaches, training)

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# FUNDING LINES WITH TOP DOWN CALLS

## Pillar 2 – Cluster 4 & 5

**Pillar I**

### EXCELLENT SCIENCE

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16 Bn EUR

Marie Skłodowska-Curie Actions (MSCA)
6.6 Bn EUR

Research Infrastructures
2.4 Bn EUR

**25 Bn EUR**

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**53.5 Bn EUR**

**Pillar III**

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European Innovation Ecosystem (EIE)
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European Institute of Innovation and Technology (EIT)
3 Bn EUR

**13.6 Bn EUR**

**3.4 Bn EUR**

### WIDENING PARTICIPATION & STRENGTHENING THE EUROPEAN RESEARCH AREA



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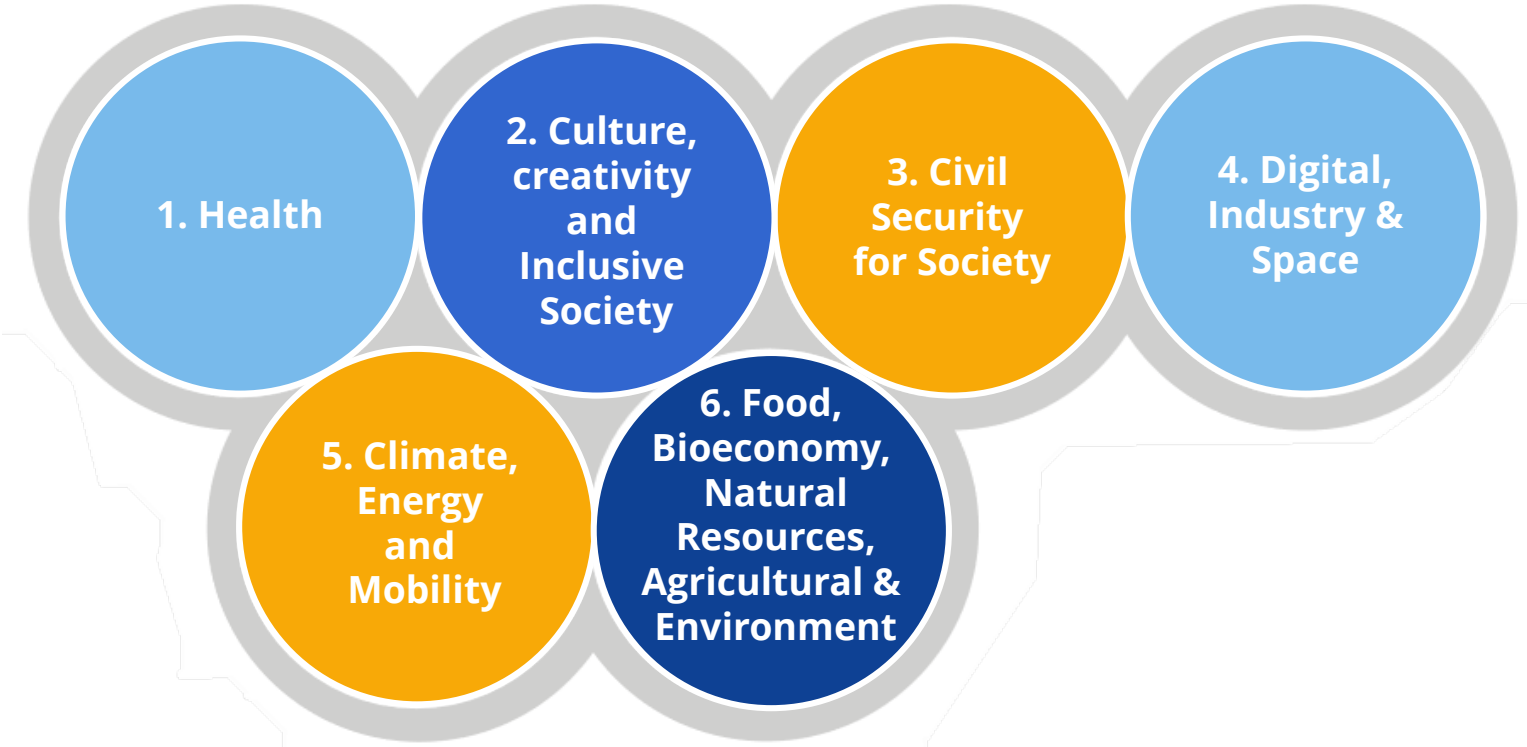
# FUNDING LINES WITH TOP DOWN CALLS

Pillar 2 – Cluster 4 & 5

## Six Thematic Clusters



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# FUNDING LINES WITH TOP-DOWN CALLS

## Cluster 4: Digital, Industry and Space

Next Deadlines:
- Feb 2024
- Mar 2024

- Climate neutral, circular and digitised production
- Increased autonomy in key strategic value chains for resilient industry
- World-leading data and computing technologies
- Digital & emerging technologies for competitiveness and fit for the Green Deal
- Open strategic autonomy in developing, deploying and using global space-based infrastructures, services, applications and data
- A human-centred and ethical development of digital and industrial technologies

# FUNDING LINES WITH TOP-DOWN CALLS

Cluster 4: Digital, Industry and Space

## Destination 1 – Key Strategic Orientations

1. KSO C, 'Making Europe the first digitally led circular, climate-neutral and sustainable economy through the transformation of its mobility, energy, construction and production systems.'
2. KSO A, 'Promoting an open strategic autonomy by leading the development of key digital, enabling and emerging technologies, sectors and value chains to accelerate and steer the digital and green transitions through human-centred technologies and innovations.'
3. KSO D, 'Creating a more resilient, inclusive and democratic European society prepared and responsive to threats and disasters, addressing inequalities and providing high-quality health care, and empowering all citizens to act in the green and digital transitions.'

# FUNDING LINES WITH TOP-DOWN CALLS

Cluster 4: Digital, Industry and Space

## Destination 2 – Key Strategic Orientations

1. KSO C, 'Making Europe the first digitally led circular, climate-neutral and sustainable economy through the transformation of its mobility, energy, construction and production systems.'
2. KSO A, 'Promoting an open strategic autonomy by leading the development of key digital, enabling and emerging technologies, sectors and value chains to accelerate and steer the digital and green transitions through human-centred technologies and innovations.'
3. KSO D, 'Creating a more resilient, inclusive and democratic European society prepared and responsive to threats and disasters, addressing inequalities and providing high-quality health care, and empowering all citizens to act in the green and digital transitions.'

# FUNDING LINES WITH TOP-DOWN CALLS

## Cluster 5: Climate, Energy and Mobility

**Goal:**

**Accelerate the twin green and digital transitions and associated transformation of our economy, industry and society with a view to achieving climate neutrality in Europe by 2050.**



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# FUNDING LINES WITH TOP-DOWN CALLS

## Cluster 5: Climate, Energy and Mobility

**6 Destinations:**

- Climate science and responses for the transformation towards climate neutrality
- Cross-sectoral solutions for the climate transition

**Climate**

- Sustainable, secure and competitive energy supply
- Efficient, sustainable and inclusive energy use

**Energy**

- Clean and competitive solutions for all transport modes
- Safe, resilient transport and smart mobility services for passengers and goods

**Mobility**



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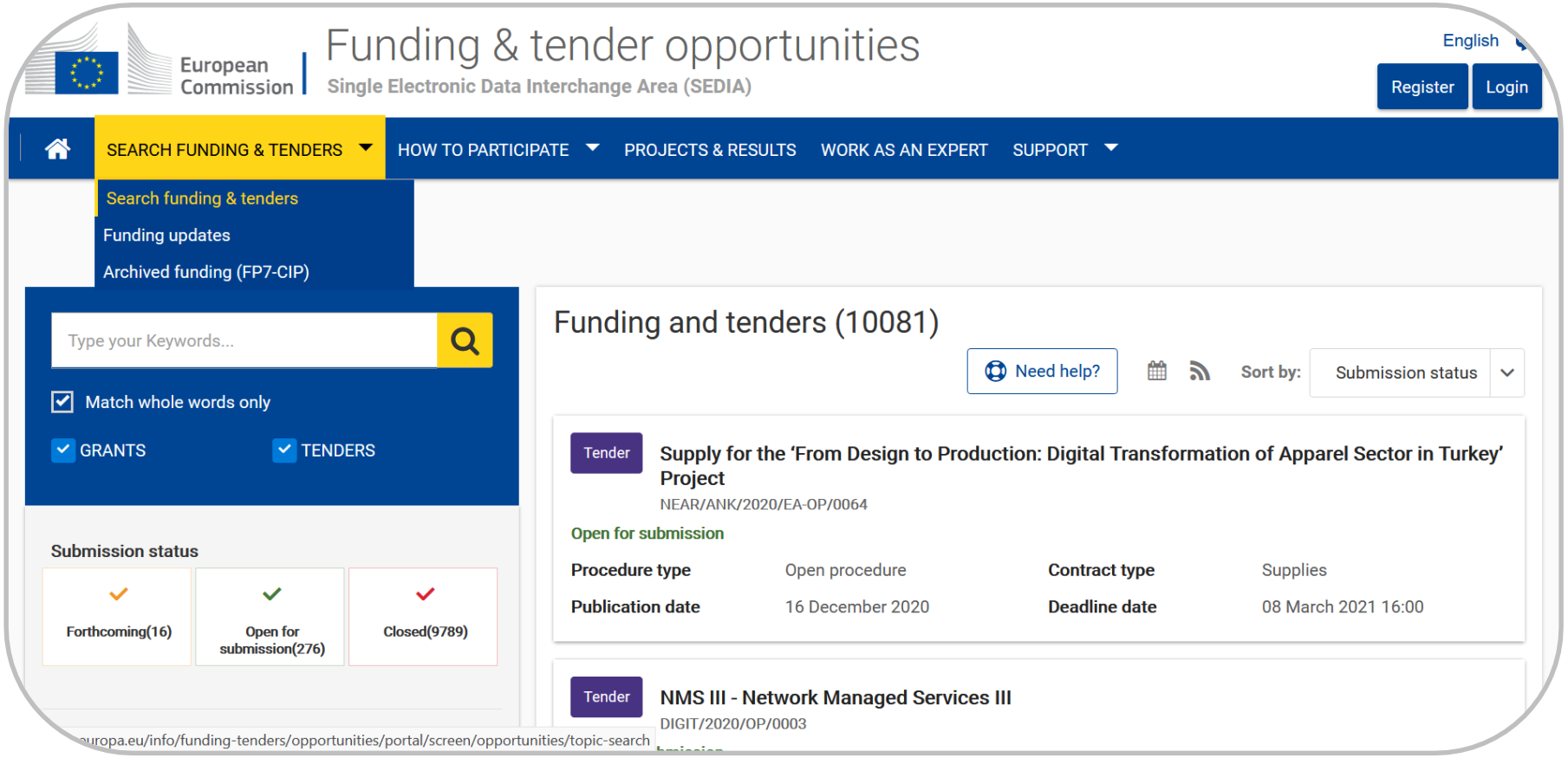
# HORIZON EUROPE
## Funding & Tenders Portal




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

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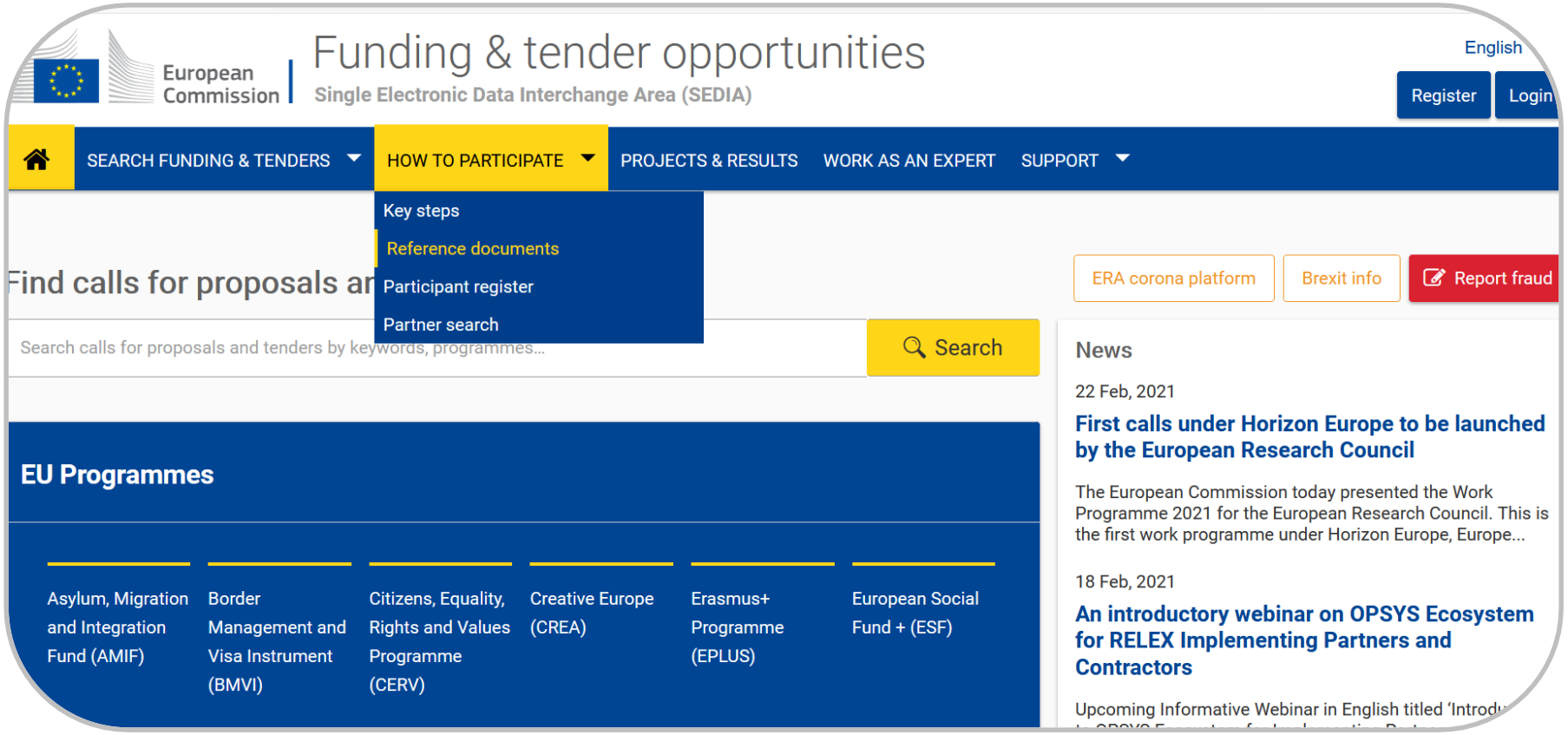


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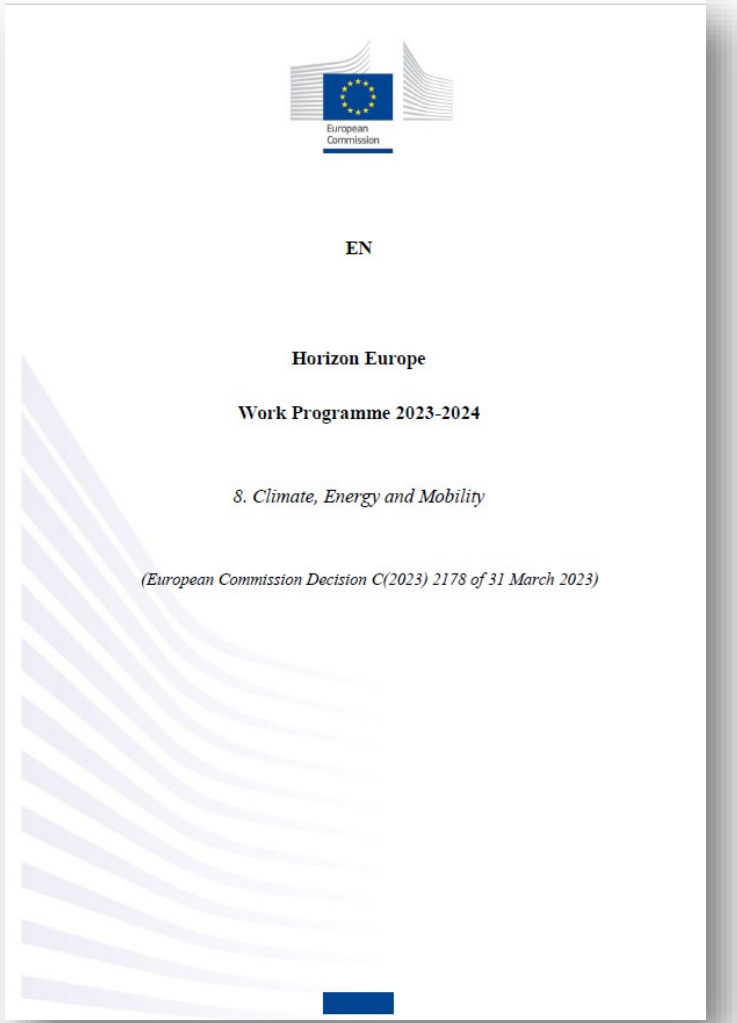

European Commission

EN

Horizon Europe

Work Programme 2023-2024

*8. Climate, Energy and Mobility*

*(European Commission Decision C(2023) 2178 of 31 March 2023)*

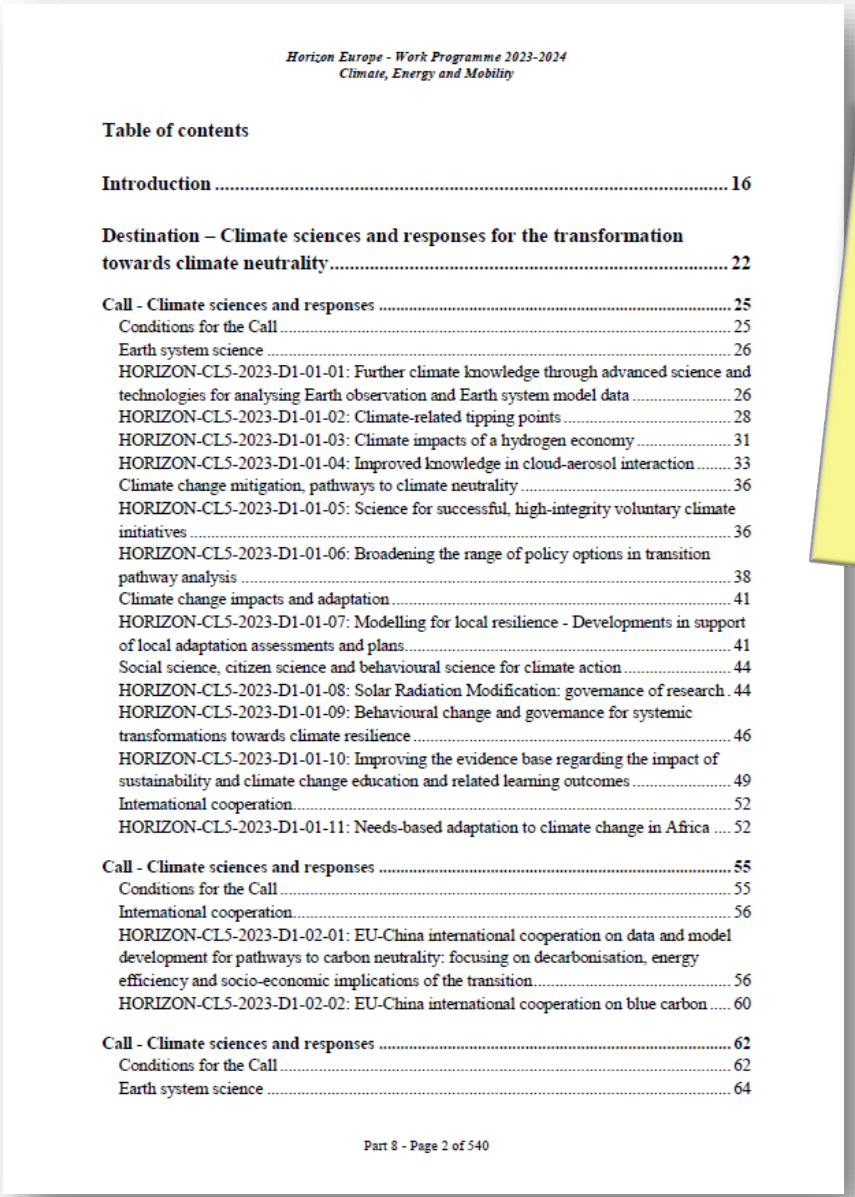



**Table of contents**

**Introduction** ..... **16**

**Destination – Climate sciences and responses for the transformation towards climate neutrality** ..... **22**

**Call - Climate sciences and responses** ..... **25**
Conditions for the Call ..... 25
Earth system science ..... 26
HORIZON-CL5-2023-D1-01-01: Further climate knowledge through advanced science and technologies for analysing Earth observation and Earth system model data ..... 26
HORIZON-CL5-2023-D1-01-02: Climate-related tipping points ..... 28
HORIZON-CL5-2023-D1-01-03: Climate impacts of a hydrogen economy ..... 31
HORIZON-CL5-2023-D1-01-04: Improved knowledge in cloud-aerosol interaction ..... 33
Climate change mitigation, pathways to climate neutrality ..... 36
HORIZON-CL5-2023-D1-01-05: Science for successful, high-integrity voluntary climate initiatives ..... 36
HORIZON-CL5-2023-D1-01-06: Broadening the range of policy options in transition pathway analysis ..... 38
Climate change impacts and adaptation ..... 41
HORIZON-CL5-2023-D1-01-07: Modelling for local resilience - Developments in support of local adaptation assessments and plans ..... 41
Social science, citizen science and behavioural science for climate action ..... 44
HORIZON-CL5-2023-D1-01-08: Solar Radiation Modification: governance of research ..... 44
HORIZON-CL5-2023-D1-01-09: Behavioural change and governance for systemic transformations towards climate resilience ..... 46
HORIZON-CL5-2023-D1-01-10: Improving the evidence base regarding the impact of sustainability and climate change education and related learning outcomes ..... 49
International cooperation ..... 52
HORIZON-CL5-2023-D1-01-11: Needs-based adaptation to climate change in Africa ..... 52

**Call - Climate sciences and responses** ..... **55**
Conditions for the Call ..... 55
International cooperation ..... 56
HORIZON-CL5-2023-D1-02-01: EU-China international cooperation on data and model development for pathways to carbon neutrality: focusing on decarbonisation, energy efficiency and socio-economic implications of the transition ..... 56
HORIZON-CL5-2023-D1-02-02: EU-China international cooperation on blue carbon ..... 60

**Call - Climate sciences and responses** ..... **62**
Conditions for the Call ..... 62
Earth system science ..... 64



**Work Programmes include introduction and destination information**

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# EUROPEAN PARTNERSHIPS

## Portfolio of 49 European Partnerships

### 1. Health

- Global Health Partnership
- Innovative Health Initiative
- Transformation of health systems
- Chemicals risk assessment
- ERA for Health
- Rare diseases
- One-Health Anti Microbial resistance
- Personalised Medicine
- Pandemic Preparedness

### 5. Climate, Energy and Mobility

- Clean Hydrogen
- Clean Aviation
- Single European Sky ATM Research 3
- Europe's Rail
- Connected and Automated Mobility
- Batteries
- Zero-emission waterborne transport
- Zero-emission road transport
- Built4People
- Clean Energy Transition
- Driving Urban Transitions

### 6. Food, Bio-economy, Natural Resources, Agri-cultural & Environment

- Circular Bio-based Europe
- Rescuing Biodiversity to Safeguard Life on Earth
- Climate Neutral, Sustainable &Productive Blue Economy
- Water4All
- Animal Health and Welfare
- Accelerating Farming Systems Transitions
- Agriculture of Data
- Safe & Sustainable Food System

### 4. Digital, Industry & Space

- Key Digital Technologies
- Smart Networks and Services
- High Performance Computing
- European Metrology
- AI-Data-Robotics
- Photonics
- Made in Europe
- Clean steel – low-carbon steelmaking
- Processes4Planet
- Global competitive space systems

### III. Innovative Europe & Cross-Pillar

- EIT InnoEnergy
- EIT Climate
- EIT Digital
- EIT Food
- EIT Health
- EIT Raw Materials
- EIT Manufacturing
- EIT Urban Mobility
- EIT Cultural and Creative Industries
- Innovative SMEs
- European Open Science Cloud

https://ec.europa.eu/info/horizon-europe/european-partnerships-horizon-europe_en



Funded by the European Union

# EUROPEAN PARTNERSHIPS

## Today's focus

CLEAN AVIATION

Clean Hydrogen Partnership

BATT4EU
Batteries European Partnership

PROCESSES4PLANET

Europe's Rail

Circular Bio-based Europe
Joint Undertaking

2ZERO

eit RawMaterials
Connecting matters



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# EUROPEAN PARTNERSHIPS
## Clean Aviation Joint Undertaking

- Aim: transforming **aviation towards a sustainable and climate neutral** future.
- Planned results: 34 flagship demonstrators, more than 106 other demonstrators, and more than 1000 technologies
- **Co-funded partnership**: European Commission and private members (27 founding members + 12 associated members)
- Private members contribute 2.4 bn Euro in-kind contribution
- Current Work Programme:  2022/2023, next call in 2024

https://www.clean-aviation.eu/about-us/key-documents
https://www.clean-aviation.eu/media/e-news

# EUROPEAN PARTNERSHIPS
## Clean Hydrogen

Clean Hydrogen Partnership

- **Objective:** to accelerate the development and deployment of a European value chain for clean hydrogen technologies in order to help achieve the European Union's objectives for a climate-neutral Europe by 2050.

- Annual Work Programmes with calls for proposals

- Last call : launched January 2023 with deadline in April 2023
- → next call in 2024

20 - 24 November 2023
Brussels, Belgium
euhydrogenweek.eu

Hydrogen Europe

Clean Hydrogen Partnership



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# EUROPEAN PARTNERSHIPS
## Batt4EU

- **Aim:** to achieve a competitive and sustainable European industrial value-chain for e-mobility and stationary applications
- **Vision:** to establish by 2030 in Europe the best in the world innovation ecosystem to boost a competitive, sustainable and circular European battery value chain and to drive the transformation towards a carbon-neutral society.
- Co-programmed partnership including:

Industry members
Research members
Associate members

https://bepassociation.eu/

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# EUROPEAN PARTNERSHIPS

## Circular Bio-based Europe Joint Undertaking

- CBE JU is a €2 billion partnership between the European Union and the Bio-based Industries Consortium (BIC)

- Aim: to advance competitive circular bio-based industries in Europe.

- Partners:

Members from sectors:

- agriculture and agri-food
- aquaculture and marine
- chemicals and materials
- forestry, pulp and paper and technology providers
- waste management and treatment.

https://www.cbe.europa.eu/



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# EUROPEAN PARTNERSHIPS
## Process4Planet - Objectives

- Aims to transform the European **process industries to achieve circularity and overall climate neutrality** at the EU level by 2050 while enhancing their global competitiveness.

- Partnership Goals:
  - Developing and deploying **climate neutral solutions**
  - **Closing the energy and feedstock loops**
  - Achieving **global leadership** in climate-neutral and circular solutions, accelerating innovation and unlocking public and private investment

- Work on emerging technologies and on the scaling up of already developed technologies at **higher technology readiness levels** (TRLs)


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# EUROPEAN PARTNERSHIPS
## Process4Planet

- Important background document:

  **Processes4Planet Strategic Research and Innovation Agenda (SRIA) 2050**

- Hubs for Circularity (H4Cs) key element of the Processes4Planet Partnership SRIA 2050



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# EUROPEAN PARTNERSHIPS
## Europe's Rail (Joint Undertaking)

- **Public-private partnership** in the rail sector
- **Co-financed by the Horizon Europe programme**
- Funding research and innovation and harmonising standards to deliver the railway system of the future
- Goal: help create a **Single European Railway Area**
- Objective: deliver a **high capacity** integrated European railway network by **eliminating barriers to interoperability** and providing **solutions for full integration**, covering traffic management, vehicles, infrastructure and services, aiming to achieve faster uptake and deployment of projects and innovations.

https://rail-research.europa.eu/



Funded by the European Union

# EUROPEAN PARTNERSHIPS
## 2Zero Partnership

- **Research, development and demonstration** of technologies allowing the integration of new solutions for a **clean road transport system**

- **Co-programmed partnership** to accelerate the transition to a European **carbon-neutral** road transport system by 2050

- **European Green Vehicles Initiative Association for the 2Zero partnership** (EGVIAfor2Zero), an international non-profit association engaged with the **European Commission** into the 2Zero partnership

- **115 members** from the automotive, smart systems, smart grid industries and logistics companies and freight transport users, research centres and universities.

https://www.2zeroemission.eu/

# EUROPEAN PARTNERSHIPS
## EIT RawMaterials - Overview

- **Co-funded partnership,** established in 2015

- World's largest raw materials consortium with **over 300 partners**
- Supports **securing the supply of critical raw materials** to the European industry by driving innovation along the raw materials value chain.

- Collaborative environment for **disruptive and breakthrough innovations**

- Connecting **business with academia, research, and investment**

https://eitrawmaterials.eu/

# EUROPEAN PARTNERSHIPS
## EIT RawMaterials - Calls

- **Annual call (spring),** all organisations that are eligible for funding under the Horizon Europe programme can apply

- Calls published via **EIT RawMaterials website**

- Not necessary to be an existing partner organisation of EIT RawMaterials to apply for funding

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# OTHER FUNDING OPPORTUNITIES
## M-ERA-NET – General information

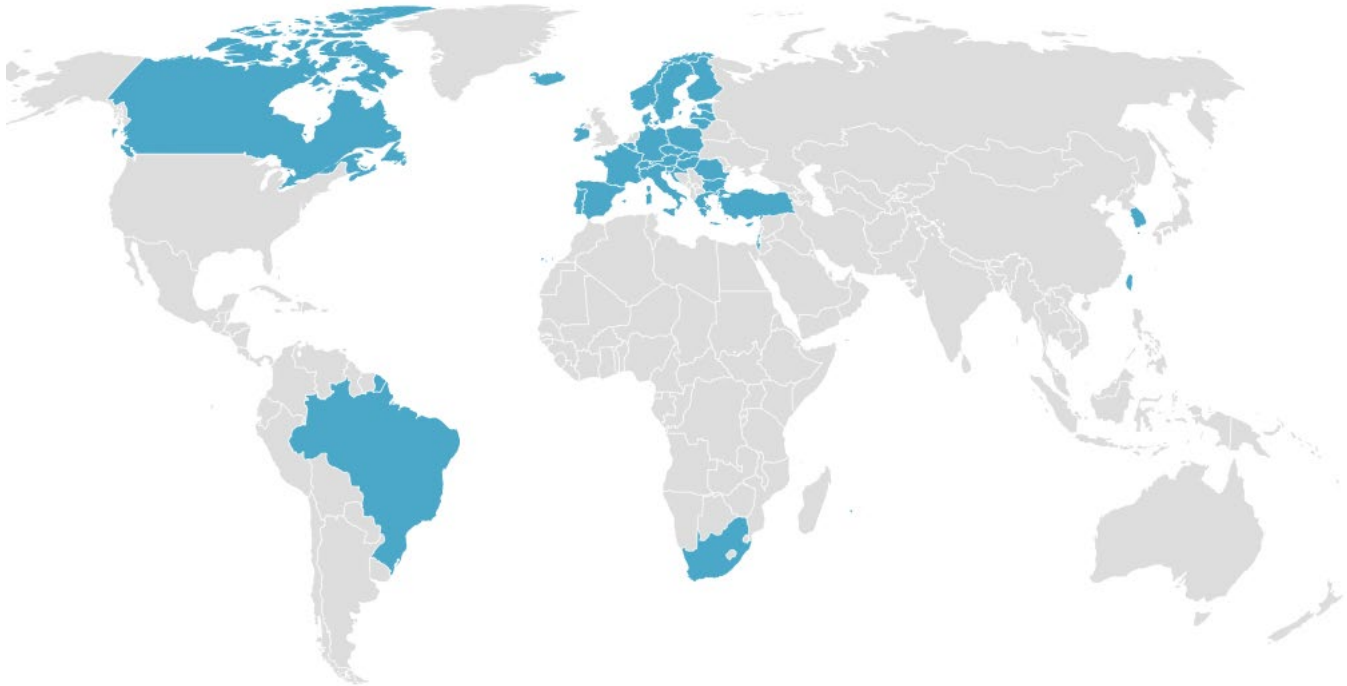
M-ERA.NET

- Aims to fund ambitious transnational RTD projects addressing **materials research & innovation including materials for batteries & low carbon energy technologies**

- objective is to **enable transnational R&D projects** between partners receiving funding from regional/national programmes

# OTHER FUNDING OPPORTUNITIES

## M-ERA-NET - Consortium



https://www.m-era.net/about/m-consortium

# OTHER FUNDING OPPORTUNITIES
## M-ERA-NET - Overview

- **Small to medium sized consortia** (3-5 partners on average per proposal) are expected

- Coordination and proposal writing **easier than in „pure“ Horizon** projects
  - Compact proposals
  - Small and medium sized consortia
  - Financial management dedicated to the partners (national)

- **Door opener** for bigger international joint projects

# OTHER FUNDING OPPORTUNITIES

## M-ERA-NET – Call 2023 – Six Topics

M-ERA.NET

- Sustainable advanced materials for energy
- Next generation materials for advanced electronics
- Advanced materials and technologies for health applications
- Innovative surfaces, coatings and interfaces
- High performance composites
- Functional materials



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# OTHER FUNDING OPPORTUNITIES
## COST

COST (European Cooperation in Science and Technology) is a pan-European intergovernmental framework dedicated to European-based S&T networking activities aiming at allowing their participants to jointly develop their ideas and new initiatives across all scientific disciplines through trans-European coordination of nationally or otherwise funded research activities.



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# OTHER FUNDING OPPORTUNITIES
## COST - Features

- Easy funding scheme: one instrument (COST Action*)
- Bottom-up (researcher driven, any topic/multiple topics)
- Flexible (adaptable research and activities)
- Open participation (involve all stakeholders, type of institutions, career levels, countries, any time)
- Output oriented (open science, wide/free dissemination of knowledge and results, open access, open innovation)
- Efficient and cheap (compared to national research it leverages, sharing resources/infrastructure)

* 300 running Networks of researchers: from min 7 COST countries, responding to an Open Call for proposals, based on a MoU, 4 years duration, implemented via networking activities

# COST
## More information

- https://www.cost.eu/

- Open call: https://www.cost.eu/how-to-apply/
- Cost actions: https://www.cost.eu/cost-actions/what-are-cost-actions/
- Browse actions: https://www.cost.eu/cost-actions/browse-actions/

# WORKSHOP AGENDA

## Preparing for Horizon Europe

1. HEU in a nutshell
2. ERC & MSCA
3. EIC & Cluster 4 & 5
4. Partner-ships
5. ERA-Net & COST ACTION
6. Strategic Plan
7. Net-working & Lobbying
8. Project idea

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# STRATEGIC PLAN
2021-2024

- The Horizon Europe Strategic Plan 2021-2024 adopted in March 2021.
  - **key strategic orientations** for research and innovation support and their **expected impacts**
  - identification of European co-funded and co-programmed **partnerships**
  - identification of **EU missions**
  - areas of **international cooperation**
  - orientations on specific issues like gender, the EU taxonomy and **other cross-cutting issues**


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# STRATEGIC PLAN
## Key strategic orientations

**Key Strategic Orientation A**

**Promoting an open strategic autonomy by leading the development of key digital, enabling and emerging technologies, sectors and value chains** to accelerate and steer the digital and green transitions through human-centred technologies and innovations

**Key Strategic Orientation B**

**Restoring Europe's ecosystems and biodiversity, and managing sustainably natural resources** to ensure food security and a clean and healthy environment

**Key Strategic Orientation C**

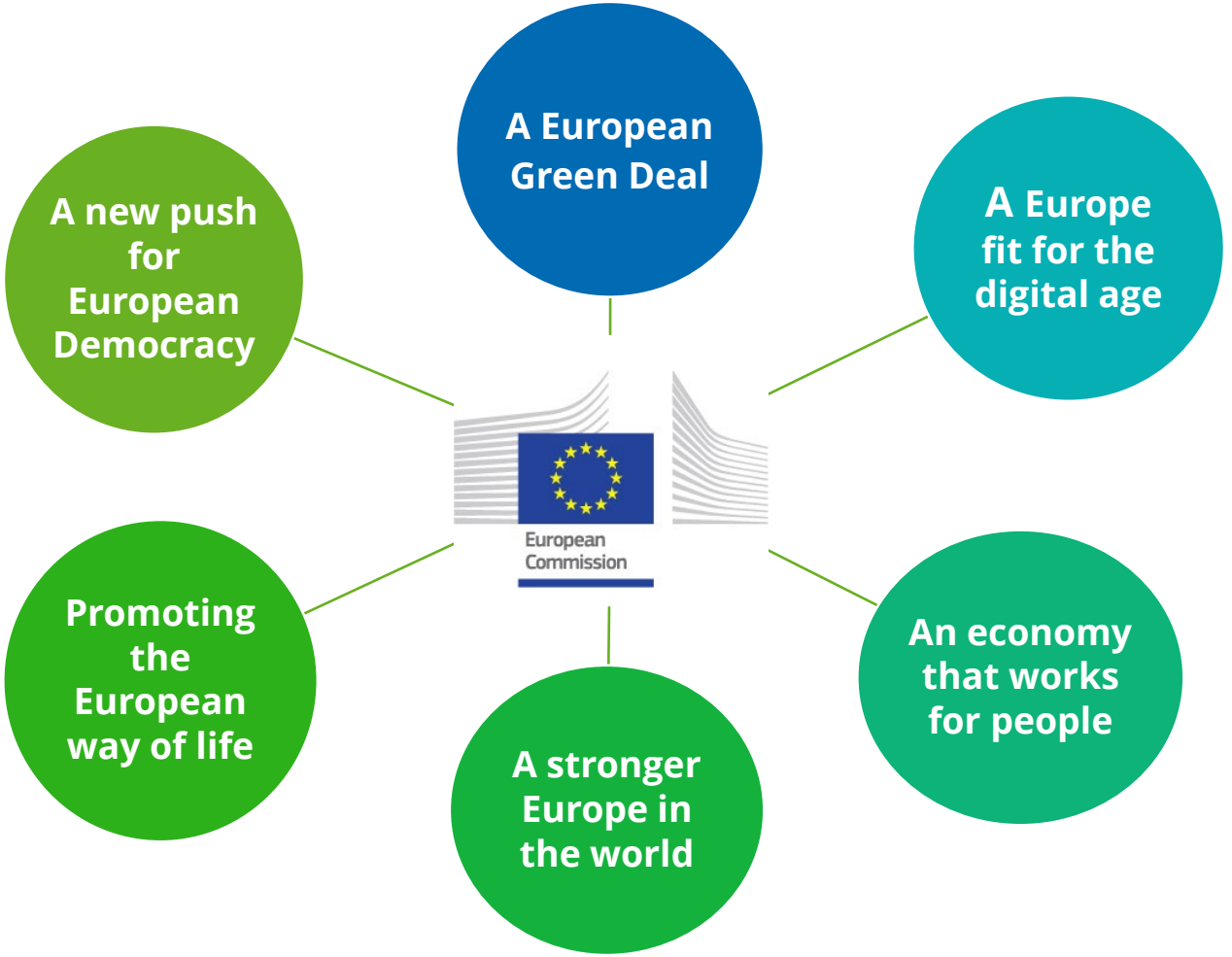
**Making Europe the first digitally enabled circular, climate-neutral and sustainable economy** through the transformation of its mobility, energy, construction and production systems

**Key Strategic Orientation D**

**Creating a more resilient, inclusive and democratic European society**, prepared and responsive to threats and disasters, addressing inequalities and providing high-quality health care, and empowering all citizens to act in the green and digital transitions

# EUROPEAN COMMISSION PRIORITIES

6 priorities for 2019-24



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# STRATEGIC PLAN 2025 – 2027

## Main Phases

- Creating the analytical foundation for the plan, collecting data and consulting stakeholder (Q1 2023)
- Drafting the Strategic Plan (Q2 - Q4 2023) by Strategic Programme Committe
- Call High Level Expert Group (Q2 2023)
- Adoption Strategic Plan (Q1 2024)
- Publication Strategic Plan (Q2 2024)
- Adoption WP 2025/2026 (Q4 2024)



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# STRATEGIC PLAN 2025 – 2027
## Citizen Engagement Workshop

- December 2022
- Discussion of priorities for the next 3 years and beyond
- Representative group of around 70 citizens



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# STRATEGIC PLAN 2025 – 2027
## Public Consultation

- Structure: covered the following three elements:
  - Performance of the past programme Horizon 2020 (Horizon 2020 ex-post evaluation)
  - Performance of Horizon Europe (input to Horizon Europe interim evaluation)
  - Looking into the R&I future priorities 2025-2027 (Horizon Europe Strategic Plan)
- 12 weeks, December 2022 – 23 February 2023
- Results published in the Strategic Plan Analysis (May)


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# WORKSHOP AGENDA

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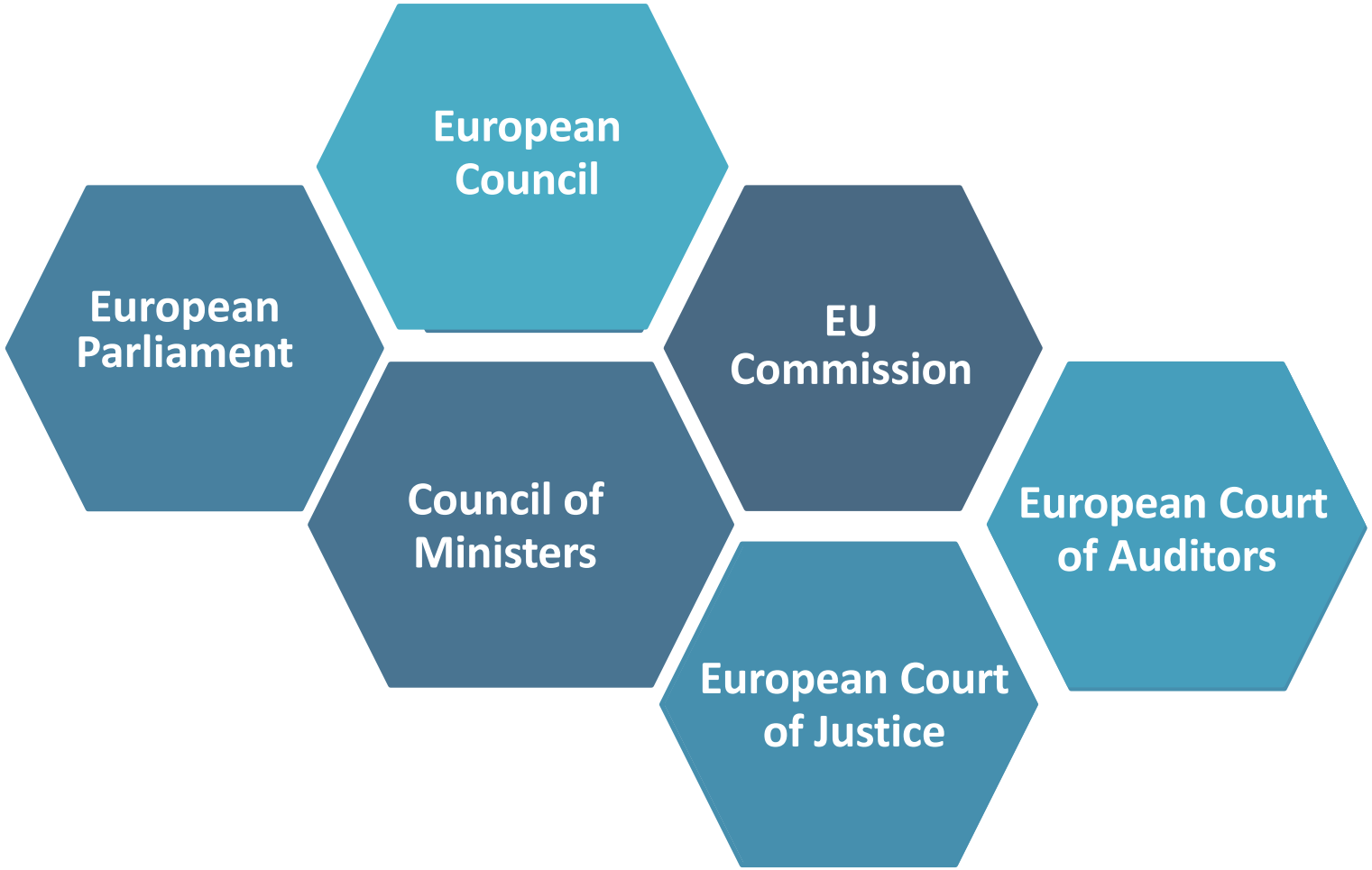
# EU LEGISLATION

## Important actors in legislative procedures



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# HORIZON EUROPE
## Important actors

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# ASSOCIATIONS

## Associations for Universities / Research Institutions

CESAER

eua EUROPEAN UNIVERSITY ASSOCIATION

EARTO IMPACT DELIVERED

The Guild of European Research-Intensive Universities

SCIENCE EUROPE

EuroTech Universities Excellence in Science and Technology



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# ASSOCIATIONS FOR UNIVERSITIES

## CESAER – an example

Conference of European Schools for Advanced Engineering Education and Research

CESAER

58 leading universities of science and technology from 28 countries in Europe and beyond

Over 1,500 leaders and volunteers from our Members are engaged in our association

Founded in 1990 as a not-for profit association and hosted by KU Leuven on its science and technology campus

Acknowledged stakeholder organisation for European Research Area, European Education Area and European Strategy for Universities



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# ASSOCIATIONS FOR UNIVERSITIES
## CESAER – AIMS

CESAER

- **Advocacy** to defend the interests of universities of S&T at the European level as a trusted, constructive and proactive partner especially towards the EU institutions;
- **Learning-among-peer-institutions** by sharing and spreading intelligence, knowledge and best practices in research, education, innovation and leadership at universities of S&T.

  - **Safeguard sustainable funding**
  - **Lead debate on key issues**
  - **Amplify the Members' and Association's strengths**

# ASSOCIATIONS FOR RTOs
## EARTO – an example

- Founded in 1999
- Promotes Research and Technology Organisations (RTOs) and represents their interest in Europe
- Network counts over **350 RTOs** in more than **32 countries**
- Members **represents 150.000 of highly-skilled researchers and engineers** managing a wide range of technology infrastructures.
- Members' technologies cover all scientific fields
- Their work range from basic research to new products and services development.


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# ASSOCIATIONS FOR RTOs
## EARTO – Working Groups

- Fixed and temporary Working Groups
- To define common positions and exchange best practices
- Comprise experts from EARTO members who assist the Secretariat in **formulating policy positions** on technically complex issues
- Offer the members **opportunities to network** and benchmark their services, processes and performance against other members
- **Policy Working Groups**
- **Technology Working Groups**

# ASSOCIATIONS FOR SPECIFIC INTEREST

## A.SPIRE – an example

- **European Association** which is committed to manage and implement the Processes4Planet co-programmed Partnership
- Represents **innovative process industries**, 20% of the total European manufacturing sector in employment and turnover, and more than 180 industrial and research process stakeholders from more than 20 countries
- Brings together **cement, ceramics, chemicals, engineering, minerals and ores, non-ferrous metals, pulp and paper, refining, steel and water sectors**
- Mission is to ensure the development of enabling technologies and best practices along all the stages of large scale existing value chain productions that will **contribute to a resource efficient process industry**



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# NETWORKING AND LOBBYING
## National Contact Points

NCBR
Krajowy Punkt Kontaktowy
Programów Badawczych UE

**Polish National Contact Point for Research Programmes of the EU**
**Institute of Fundamental Technological Research, Polish Academy of Sciences**

- supports Polish scientists, research and scientific institutions, SMEs and other organisations interested in **HORIZON Europe**
- information on open calls and participation rules, support on creating a project consortium and consulting project proposals to project realization and reporting
- provides individual project advice, consultancy, mentoring, organizes workshops, training seminars, information days and conferences.
- 11 Regional Contact Points

**Websites:** www.kpk.gov.pl



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the European Union

TECHNISCHE UNIVERSITÄT DRESDEN

EPC European Project Center

DRESDEN concept

European Project Center

# THANK YOU!