

Horizon Europe – Funding opportunities for bioenergy projects

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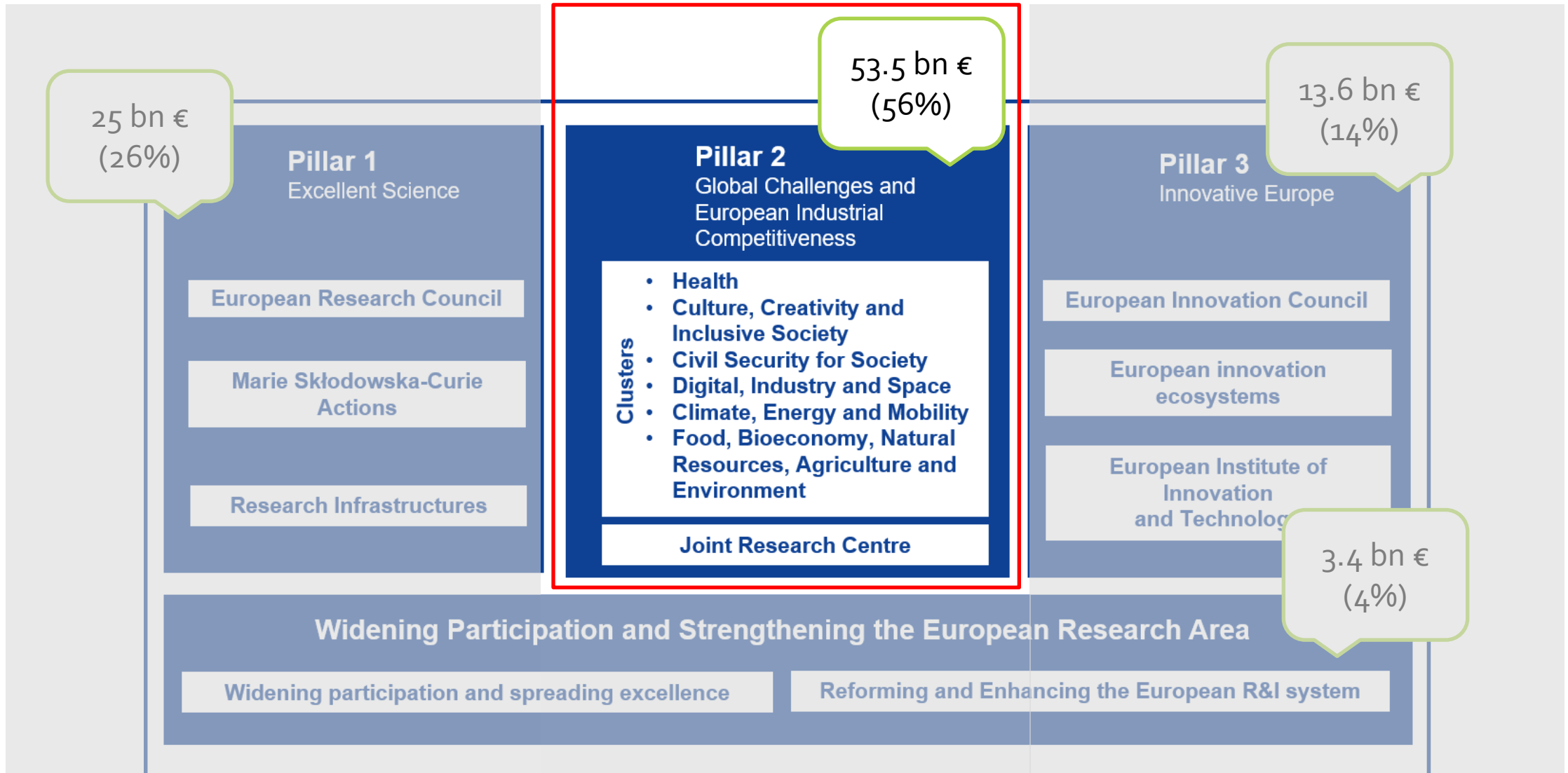
NCP: Cluster 5 and EU Missions: Climate-neutral and Smart Cities and Adaptation to Climate change

Business Finland

HORIZON EUROPE

EU RESEARCH AND INNOVATION PROGRAMME

Horizon Europe 2021-2027: 95.5 billion €



Horizon Pillar II: Collaborative projects

53.5 B €
(56 %)



Pillar 2

Global Challenges and
European Industrial
Competitiveness

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

Joint Research Centre

- ✓ Companies, universities, research centers, third sector etc. **all over the world**
- ✓ **At least 3 participants** from 3 countries
- ✓ **Pre-defined calls**
- ✓ 1-2 calls yearly
- ✓ 70-100% funding rate
- ✓ Typical funding for consortia is 4-10 M€
- ✓ [Work Program](#) > Reference documents

Project life cycle: Horizon Europe collaborative project



IDEA & FINDING
THE RIGHT CALL

6-12 months



PROPOSAL
PREPARATION &
SUBMISSION



EVALUATION

8 months



GRANT
AGREEMENT
PREPARATION



PROJECT
DURATION

3-4 years +



AFTER THE
PROJECT

Horizon Europe Cluster 5 Destinations 2023-2024

D1: Climate sciences and responses for the transformation towards climate neutrality

- Earth system science
- Climate change mitigation
- Climate change adaptation
- Social, citizen and behavioural science

D2: Cross-sectoral solutions for the climate transition

- A competitive and sustainable European battery value chain

D3: Sustainable, secure and competitive energy supply

- Global leadership in renewable energy
- Energy systems, grids & storage

D4: Efficient, sustainable and inclusive energy use

- Highly energy-efficient and climate neutral European building stock

D5: Clean and competitive solutions for all transport modes

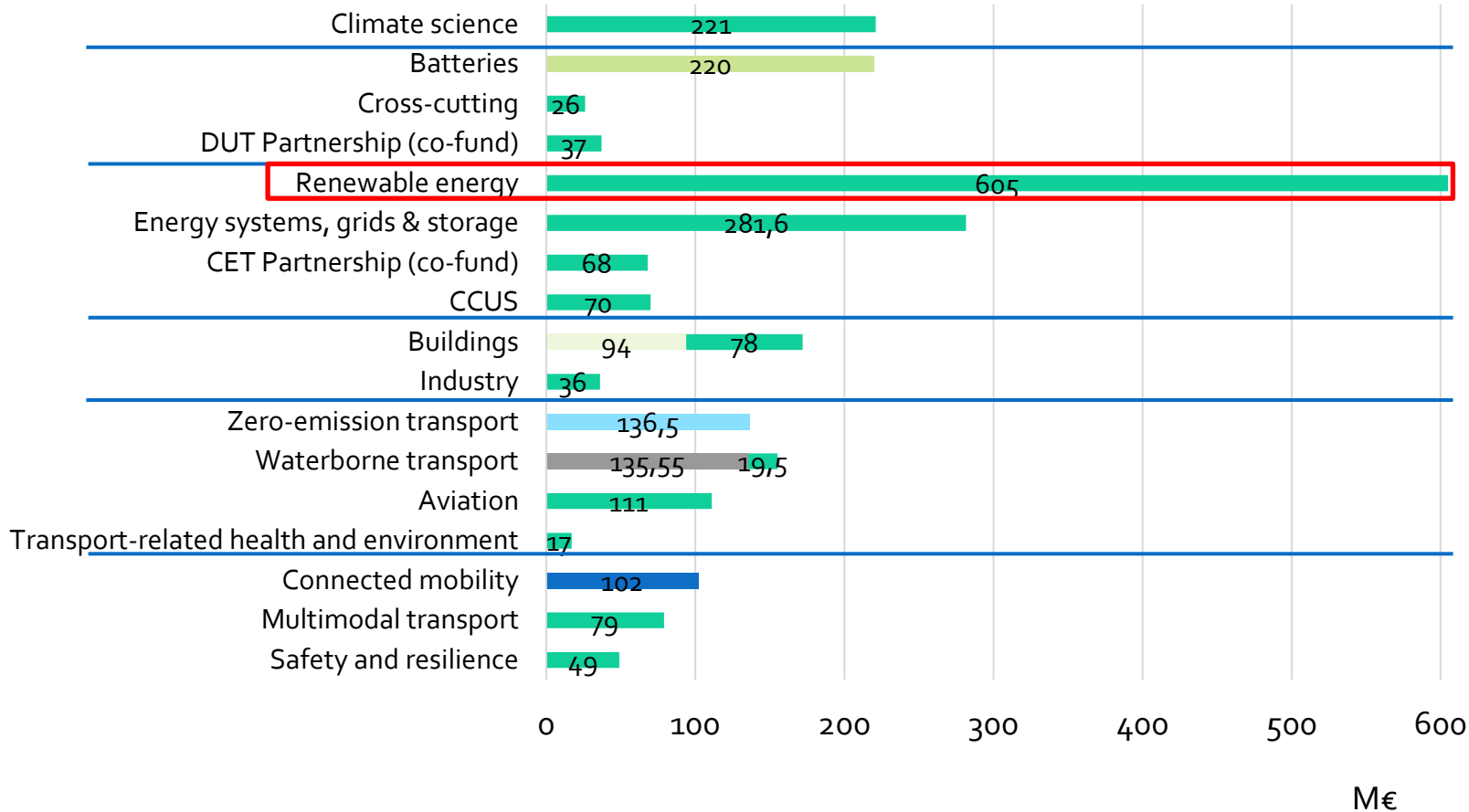
- Zero-emission road transport
- Aviation
- Waterborne transport
- Rail Industry (EU-Rail)

D6: Safe, Resilient Transport and Smart Mobility services for passengers and goods

- Connected, Cooperative and Automated Mobility (CCAM)
- Multimodal transport, infrastructure and logistics
- Innovative digital tools and solutions to monitor and improve the management and operation of transport infrastructure
- Safety and resilience

Cluster 5 budget distribution 2023-2024

EU contribution per thematic area (2023-2024, in M€)



European Partnerships:

- 60 out of 189 topics (32% of all cluster 5 topics)
- 688 M€ out of 2 383 M€ (29% of cluster 5 budget)

■ standard topics

Co-programmed Partnerships:

■ CCAM

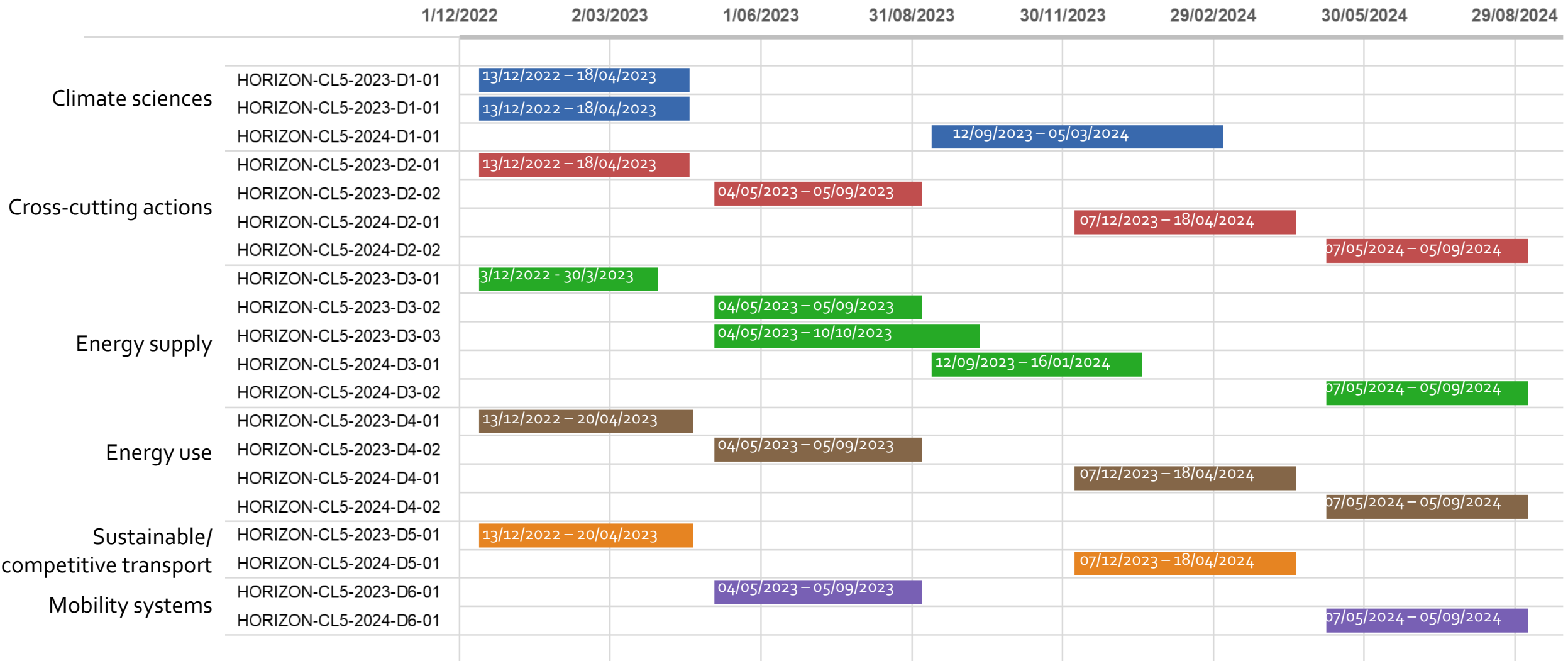
■ 2ZERO

■ Batt4EU

■ Built4People

■ ZEWT

Cluster 5 call structure 2023-2024



Some examples of call topics for Horizon Europe Cluster 5:

HORIZON-CL5-2024-D3-01-03: Demonstration of improved **intermediate renewable energy carrier technologies for transport fuels**

HORIZON-CL5-2024-D3-01-04: Improvement of **light harvesting and carbon fixation with synthetic biology and/or bio-inspired//biomimetic pathways for renewable direct solar fuels production**

HORIZON-CL5-2024-D3-01-05: Development of **carbon fixation technologies for biogenic flue gases**

HORIZON-CL5-2024-D3-02-03: Development of **smart concepts of integrated energy driven bio-refineries** for co-production of advanced biofuels, bio-chemicals and biomaterials

HORIZON-CL5-2023-D3-02-07: Development of **next generation advanced biofuel technologies**

HORIZON-CL5-2023-D3-02-08: Development of **microalgae and/or direct solar fuel production** and purification technologies for advanced aviation and /or shipping fuels

HORIZON-CL5-2024-D3-02-12: DACCS and **BECCS** for CO2 removal/negative emissions

Take home messages:



- ✓ So **many opportunities** that something matches to you needs!
- ✓ Start preparing **now**
- ✓ Reserve **time** and **effort**
- ✓ **Stay informed**: participate in information events & educate yourself
- ✓ Contact your current network
- ✓ Participate in matchmaking events
- ✓ **Partner Search** tool in portal
- ✓ **Ask for help!**
- ✓ All relevant info in **Funding & Tenders** -portal

European Commission | Funding & tender opportunities
Single Electronic Data Interchange Area (SEDIA)

Home | SEARCH FUNDING & TENDERS | HOW TO PARTICIPATE | PROJECTS & RESULTS | WORK AS AN EXPERT | SUPPORT

Business Finland's role:



- ✓ [EUTI](#) in Business Finland is the home base for **national Horizon Europe coordination**
- ✓ **Free-of-charge-support** for applicants throughout the project lifecycle
 - ✓ Upcoming calls
 - ✓ Training and events
 - ✓ Coaching & pitching
 - ✓ Reading & commenting proposals
 - ✓ Assistance in negotiation, reporting, payments, legal affairs
- ✓ **Preparatory funding available**



Thank you!

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