Welcome to the CETPartnership

Joint Call 2025 Launch Event

28 May 2025

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Practicalities

- The meeting will be recorded and the recording will be published for future watching

- Online data declaration:
  Please be aware that your name will be displayed in the list of participants as well as in the chat window

- Please ask technical questions in the chat only
- Questions about the call are asked via **Slido** and are answered at the end of the info session

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Join Slido to ask questions!

Join via the QR code or via slido.com and #2042146

https://app.sli.do/event/gXvUwdJytS7MkcWYDTTZtN

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Today‘s agenda!

10:00 **Welcome & overview of CETPartnership**

10:15 **Finding cooperation partners with the *Enterprise Europe Network***

10:25 **Information on the Joint Call 2025**

- Introduction of the procedures of the Joint Call 2025
- Evaluation criteria and eligibility
- Call Callender

10:30 **Knowledge Community | Impact & Exploitation**

10:45 **Call Modules Joint Call 2025**

11:00 ***Five minute Coffee break***

11:05 **Continuation Call Modules Joint Call 2025**

11:30 **Navigating submission platform**

11:45 **General Q&A session**

12:05 **Closing Remarks**

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The CETPartnership

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Why CETPartnership Matters

Accelerating Clean Global Energy Transition

- Achieving climate neutrality by 2050 demands urgent and coordinated innovation
- The energy research and innovation landscape has been fragmented and uncoordinated
- **CETPartnership creates a joint platform** for collaboration across countries, sectors and disciplines to address these challenges

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What is CETPartnership?

A Transnational Research and Innovation Partnership for Clean Energy Transition that:

- Funds transnational projects supporting development and implementation of clean energy solutions
- Is co-financed by the EU and more than 30 countries
- Supports both technological breakthroughs and system integration

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What does TRI stand for?

TRansition **I**nitiative

A collaborative effort to drive clean energy transition across Europe and beyond

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Overview of TRIs

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Some facts about us

CETPartnership mobilises over €1 billion overall for research, development and innovation projects for clean energy transition.

- Total annual budget: Over **€100 million** from over 40 funding organisations and with co-funding from the EU.
- Total funding for the 2022–2027 period: **Over €700 million**, over the course of the 6-year program including EU-funding.
- **30+ countries involved.** Includes EU member states, associated countries, and global partners from both Asia and North America.

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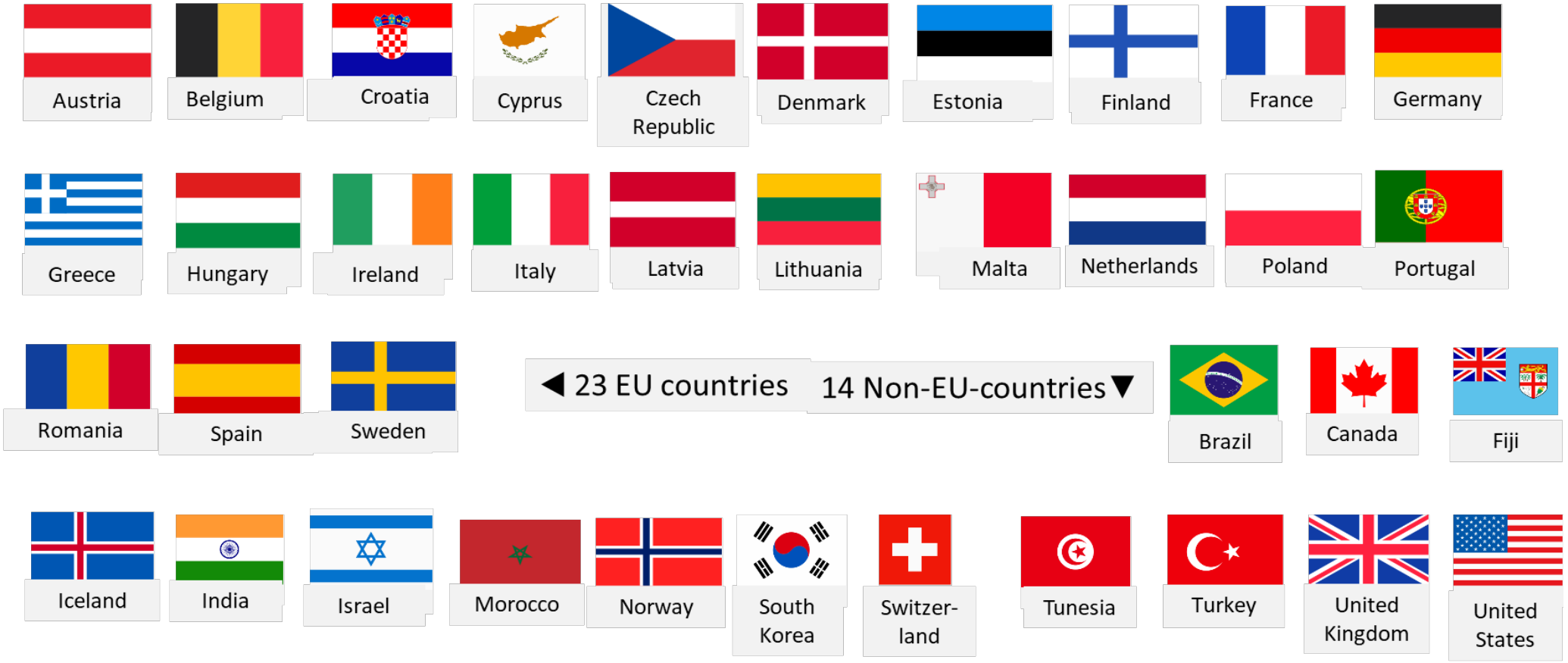
Global Interests

The following countries have been involved in the partnership in different ways since 2022



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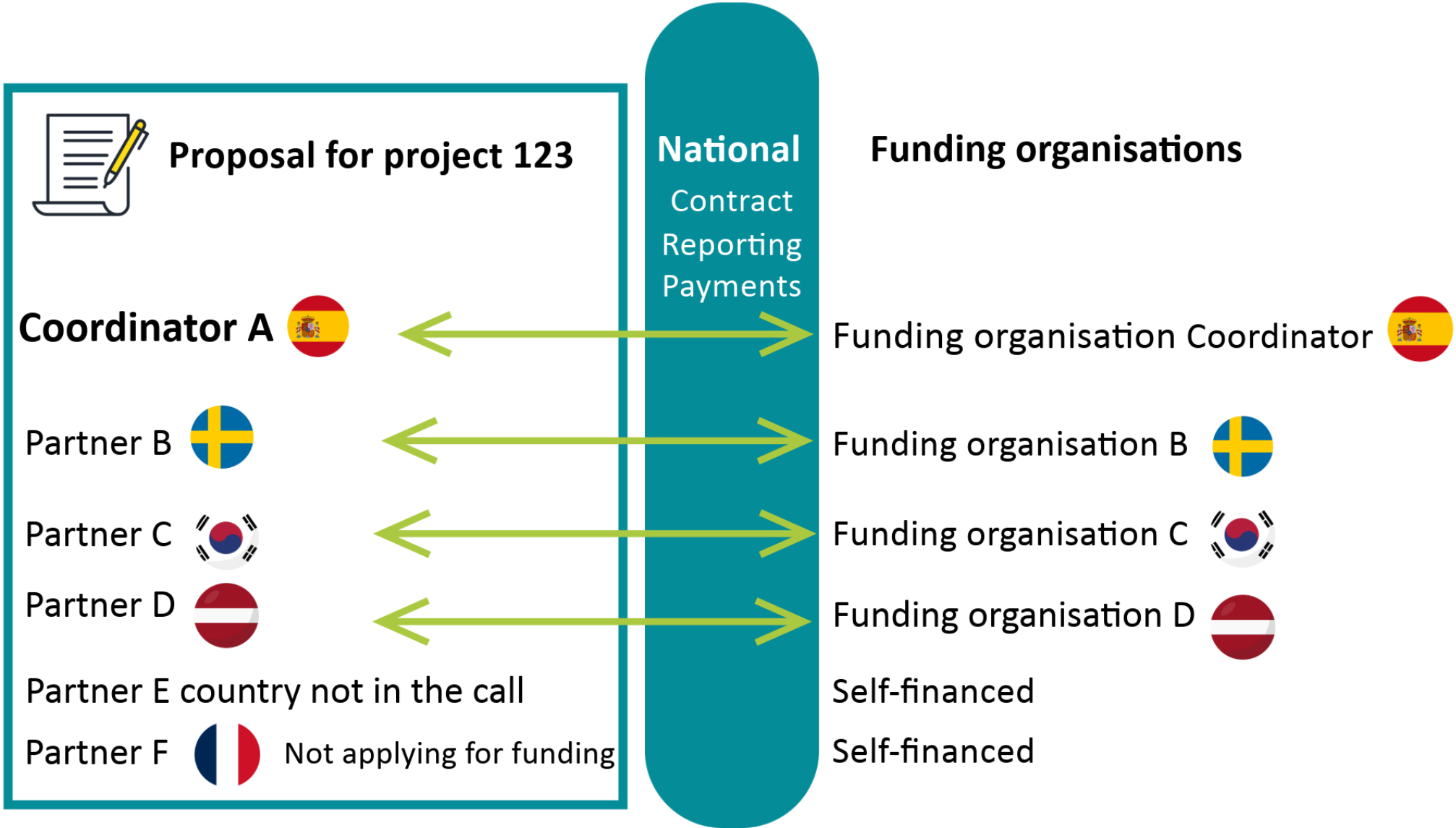
Consortium building



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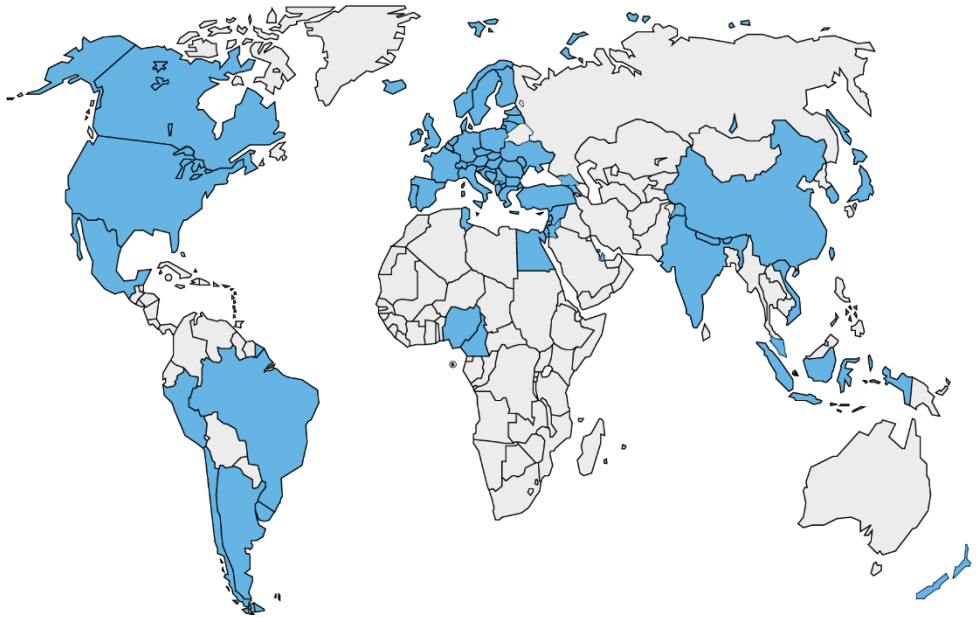
Finding cooperation partners with the Enterprise Europe Network

Astrid Flandorfer

Austrian Research Promotion Agency (FFG)

The world’s largest support Network for innovative SMEs with international ambitions

The Network in figures



Co-financed by

- **EU (Single Market Programme)**

3,000
Experts

600+
Regions

60+
Countries

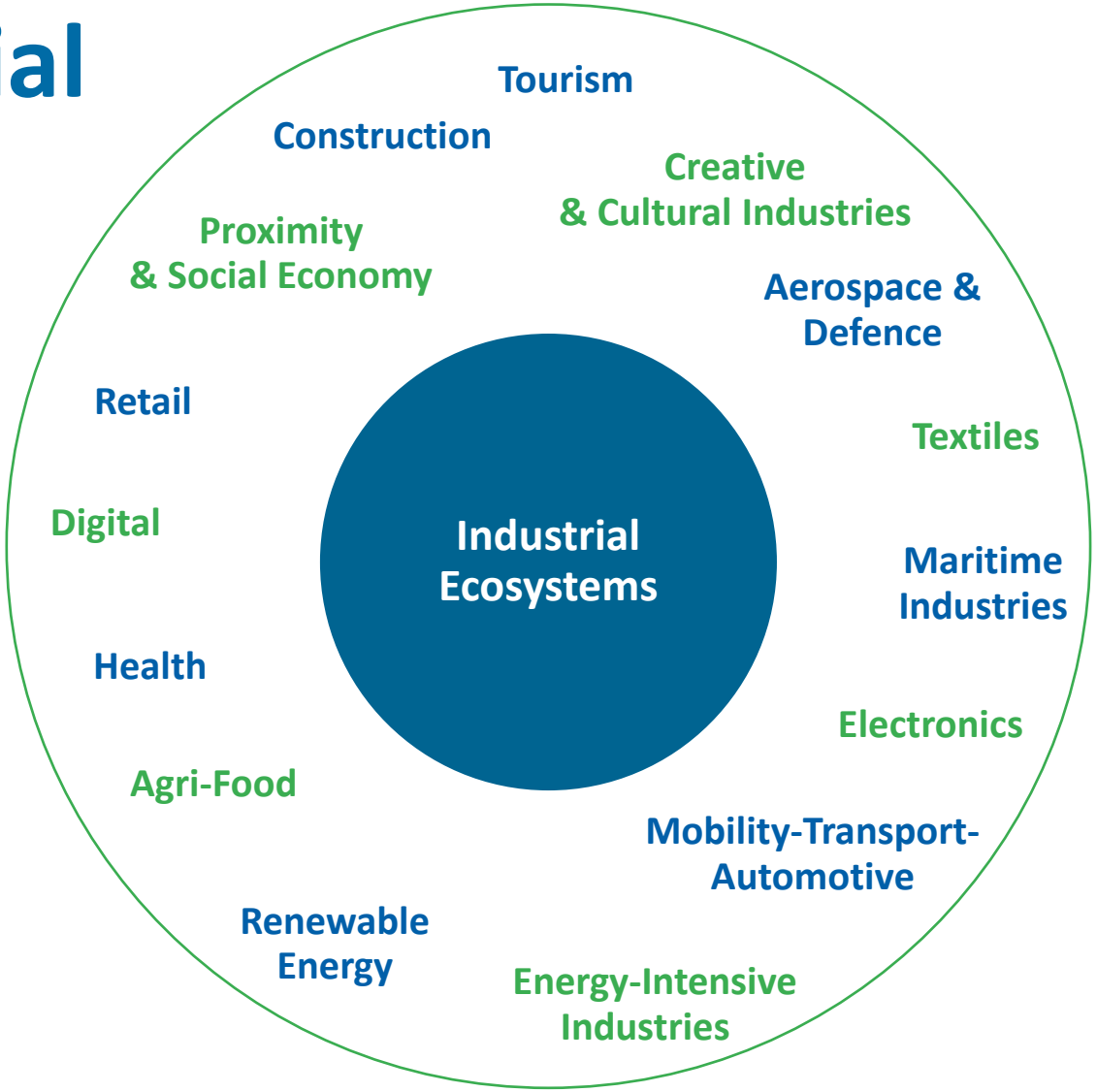
www.enterpriseeuropenetwork.at een.ec.europa.eu

The Network approach

How we help SMEs

SMEs from all Industrial Ecosystems

Horizontal themes:
Sustainability, Circular Economy, Digitalisation, Materials, Chemistry….



6 steps to the right cooperation partner with the support of the Enterprise Europe Network

1. STEP

Finding your regional contact point

AT: https://www.enterpriseeuropenetwork.at/kontakt-2

ALL contact points: https://een.ec.europa.eu/local-contact-points

2. STEP

Profile

Develop your partner search profile together with your EEN advisor

Your EEN advisor will then publish it on EEN database

3. STEP

Expressions of interest

forwarded to you by your EEN advisor

enterprise europe network

Business Support on Your Doorstep

4. STEP

Selection

You check the EOIs and select those potential cooperation partners you would like to get in contact with.

5. STEP

Establishing contact

Your EEN advisor will establish the contact(s)

6. STEP

Discussion of project content

After discussing with potential project partners you chose the one(s) you would like to cooperate with.

START OF COOPERATION

Joint proposal submission

Together with your new cooperation partner you develop the project proposal and submit it

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Business Support on Your Doorstep

Or the other way ‘round:

1. Search

Search in EEN database

for technology/expertise needed in your planned project

https://een.ec.europa.eu/partnering-opportunities

2. EoI

Submit Expression of Interest

- you’ve found one or more interesting profiles
- you contact your EEN local contact point
- they submit EOI for you via database

3. Contact

Contact established by EEN

- EEN local contact point of profile owner forwards EoI to them.
- Profile owner is interested to getting in contact.
- EEN local contact point establishes contact between the 2 parties

Proposal

Start of cooperation

- ✓ Both companies start discussions about project content.
- ✓ Local contact points not involved in discussions but are happy to help if needed.
- ✓ Joint proposal submission

Thank you

Follow us @EEN_EU

Astrid Flandorfer

Enterprise Europe Network

Austrian Research Promotion Agency (FFG)

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GOOD LUCK WITH YOUR PRPOSAL!!

een.ec.europa.eu

FFG Promoting Innovation.

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Information about the Joint Call 2025

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Joint Call 2025

The Call consists of **Call Modules**, addressing different energy technology and system challenges as well as different RDI approaches.

All participating Funding Organisations decide which **Call Modules** they will commit their budgets to.

NOT all Funding Organisations participate in all Call Modules, see participation overview.

Funding Organisations will fund eligible costs directly to Beneficiary Partners based in their country/region.

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General
Call process

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Two stage procedure

- ✓ Submission of a **pre-proposal** followed by an invitation to submit a **full proposal**
- ✓ Eligibility checks according to both transnational, Call Module, and national/regional requirements in both stages
- ✓ Evaluation according to the three main evaluation criteria by independent evaluators in a panel (thresholds: 3 for all of the three main evaluation criteria and 10 for the total score)
- ✓ Ranking per Call module
- ✓ Selection according to the available funding

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Submission

- ✓ Choose **one** Call Module per proposal
- ✓ Coordinator invite Project Consortium Partners through the submission platform
- ✓ PIC and NACE codes needed for all organisations

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Pre-proposal stage

- ✓ “Light” version of the project proposal
- ✓ 10 pages project description
- ✓ Mandatory template available on our submission platform
- ✓ Consortium partners’ organisation data
- ✓ Team members info
- ✓ Partner budgets (including self-financed)

Pre-proposal

Submission deadline

9 October 2025, 14:00 CET

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Full-proposal stage

If successful, the Coordinator will receive an **invitation to submit a full proposal**

- ✓ 30 pages project description
- ✓ May not differ substantially from the pre-proposal
- ✓ Additional sub-criteria compared to pre-proposal, all included in mandatory template
- ✓ Changes must be confirmed by involved Project Partners and relevant Funding Partner(s)
- ✓ See **5.2.1** of the call text for the procedure of changes in-between stages

Full-proposal
Submission deadline
12 March 2026, 14:00 CET

Pre-proposal
Submission deadline
9 October 2025, 14:00 CET

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Eligiblity check

Transnational requirements

Call Module requirements

National/regional requirements and guidelines

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Requirements and guidelines

- ✓ Proposal submission
- ✓ Project Consortium Partners
- ✓ Project duration
- ✓ Project budget & funding request
- ✓ Research, development and innovation (RDI) approaches / Technology Readiness Levels (TRLs)

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Transnational requirements

- ✓ A proposal must be written in English and submitted on the CETPartnership Submission Platform before the deadlines, following mandatory proposal templates.

- ✓ A Project Consortium must consist of a minimum of three Beneficiary Partners (including one Coordinator) adhering to relevant national/regional requirements and guidelines, from a minimum of three different countries participating in the chosen Call Module. Of these three Beneficiary Partners, at least two must be from EU Member States or HE Associated Countries.

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Transnational requirements (cont.)

- ✓ The total effort of one Project Consortium Partner in the Project Consortium can be maximum 60% of the total project efforts (measured in person-months)
- ✓ The total effort of Project Consortium Partners from one country/region in the Project Consortium can be maximum 75% of the total project efforts (measured in person-months)
- ✓ A project must end in 36 months from the start of the project
- ✓ A proposal must include a work package called Reporting and Knowledge Community in their work plan

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Call Module requirements

- ✓ Specific Call Module requirements may apply
- ✓ See table for each Call Module in **Chapter 7**
- ✓ **Check carefully, with relevant contacts if necessary**

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National/regional requirements
by Funding Organisations

- ✓ Specific national/regional requirements may apply
- ✓ See **Annex B** for relevant Funding Organisations
- ✓ **Check carefully, with relevant contacts if necessary**
- ✓ Funding commitment process is still ongoing

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Call timeline

Stage 1	Opening for pre-proposal submission	11 June 2025
	Deadline for pre-proposal submission	9 October 2025, 14:00 CEST
	Selection decision communicated	
Stage 2	Opening for full-proposal submission	9 January 2026
	Deadline for full-proposal submission	12 March 2026, 14:00 CET
	Selection decision communicated	Mid-June 2026
Project	Start	1 September – 15 December 2026

Funding Organisations may require additional submission, see Annex B

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Networks within the CETPartnership

Knowledge
Community
Andreas Corusa

Impact & Exploitation
Tanja Suni

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CET Partnership – more than just a set of funded projects

Andreas Corusa
Knowledge Community Management
knowledgecommunity@cetpartenrship.eu

Impact

Monitoring

Knowledge

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Knowledge Community: What we offer

- Collaborative space for groups of projects
- Peer-to-peer feedback and co-creation of knowledge
- Collaboration on a wide variety of topics
- Strategic knowledge sharing for impact generation
- Community of trust and respect

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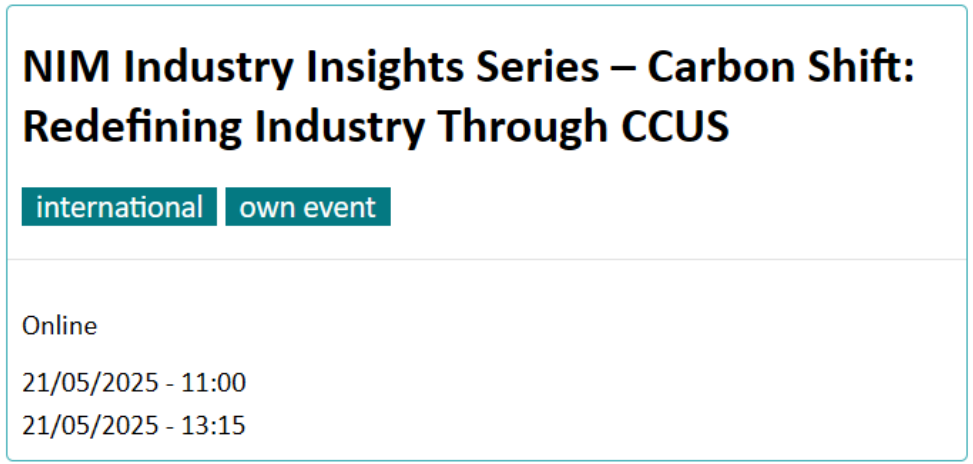
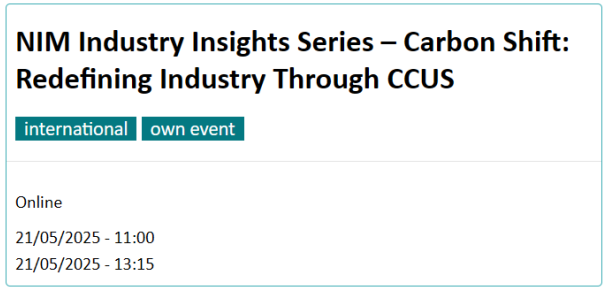
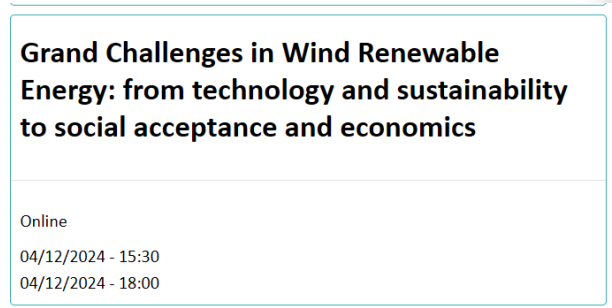
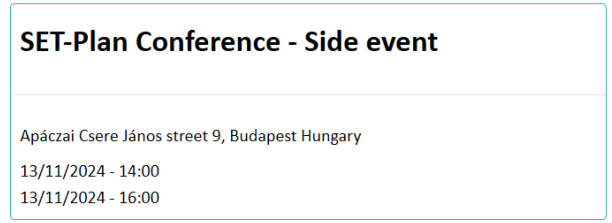
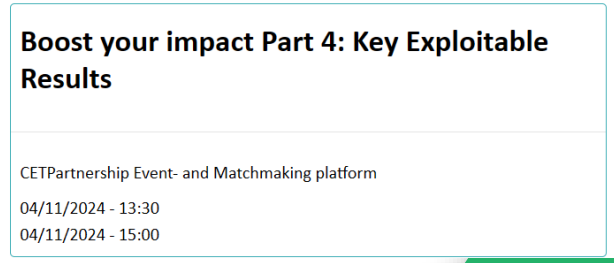
Example: Past and future events from our website











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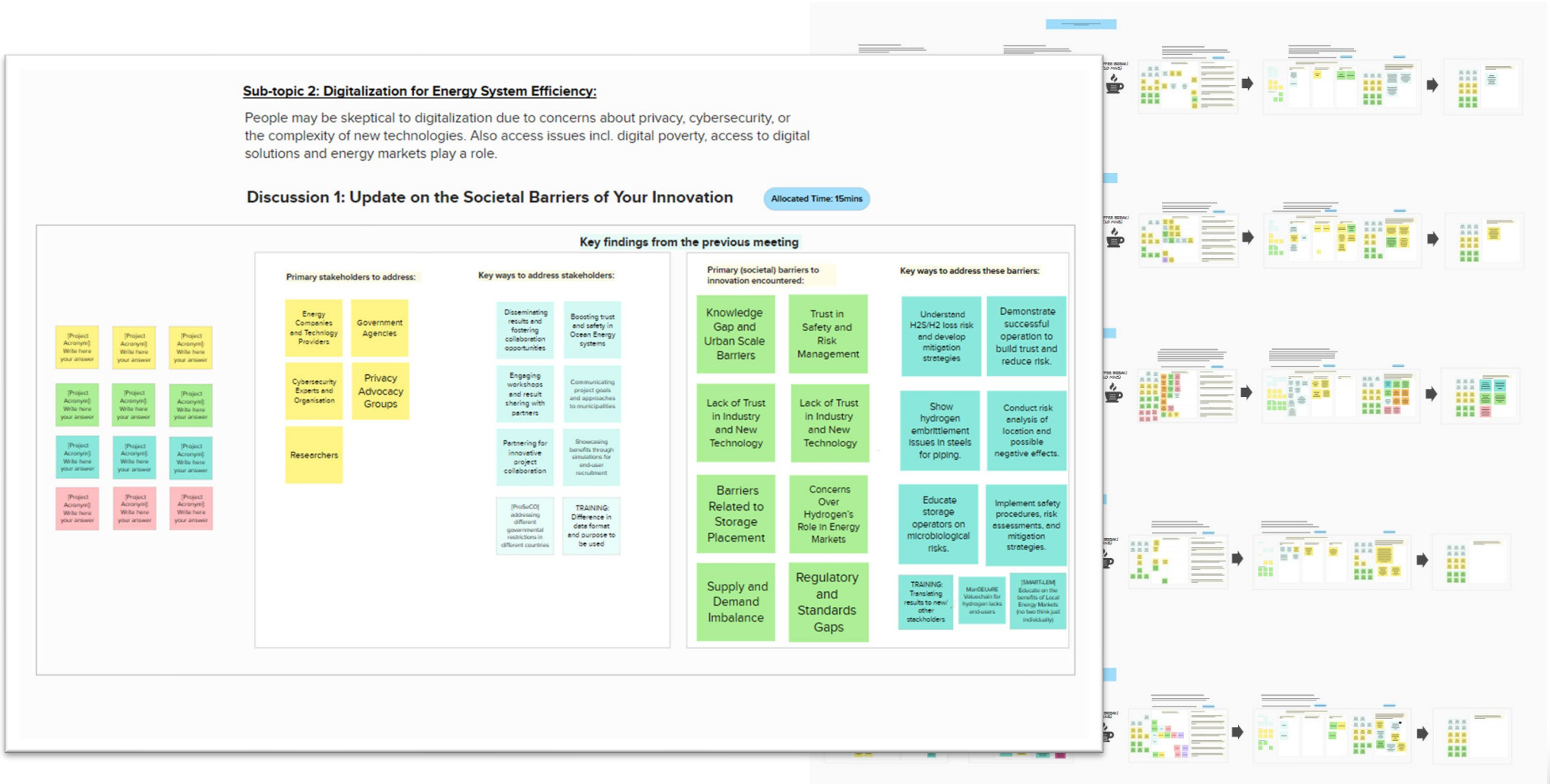
Example: Working Group Meeting on Social Acceptance and Stakeholder Engagement



Sub-topic 2: Digitalization for Energy System Efficiency:

People may be skeptical to digitalization due to concerns about privacy, cybersecurity, or the complexity of new technologies. Also access issues incl. digital poverty, access to digital solutions and energy markets play a role.

Discussion 1: Update on the Societal Barriers of Your Innovation — Allocated Time: 15mins

Key findings from the previous meeting

Primary stakeholders to address:

- Energy Companies and Technology Providers
- Government Agencies
- Cybersecurity Experts and Organisation
- Privacy Advocacy Groups
- Researchers

Key ways to address stakeholders:

- Disseminating results and fostering collaboration opportunities
- Boosting trust and safety in Ocean Energy systems
- Engaging workshops and result sharing with partners
- Communicating project goals and approaches to municipalities
- Partnering for innovative project collaboration
- Showcasing benefits through simulations for end-user recruitment
- [ProSuCO] addressing different governmental restrictions in different countries
- TRAINING: Difference in data format and purpose to be used

Primary (societal) barriers to innovation encountered:

- Knowledge Gap and Urban Scale Barriers
- Trust in Safety and Risk Management
- Lack of Trust in Industry and New Technology
- Lack of Trust in Industry and New Technology
- Barriers Related to Storage Placement
- Concerns Over Hydrogen's Role in Energy Markets
- Supply and Demand Imbalance
- Regulatory and Standards Gaps

Key ways to address these barriers:

- Understand H2S/H2 loss risk and develop mitigation strategies
- Demonstrate successful operation to build trust and reduce risk.
- Show hydrogen embrittlement issues in steels for piping.
- Conduct risk analysis of location and possible negative effects.
- Educate storage operators on microbiological risks.
- Implement safety procedures, risk assessments, and mitigation strategies.
- TRAINING: Translating results to new/ other stackholders
- MarDELiVRE Valuechain for hydrogen lacks end-users
- [SMART-LEM] Educate on the benefits of Local Energy Markets (no two think just individually)

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Knowledge Community: the benefits for you

- Peer-to-peer feedback from like-minded projects
- Interaction among CETP projects and projects in other programs
- Effective co-creation of knowledge in (cross-cutting) thematic Working Groups
- Ideas and partners for future calls

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CETPartnership Impact & Exploitation

Tanja Suni
Impact and Exploitation
https://cetpartnership.eu/about/impact-exploitation

Impact & Exploitation: the benefits for you

- **Achieving your impact goals** through tailored exploitation strategies and expanding networks via match-making events.
- **Guidance on market readiness** and ensuring societal acceptance for sustainable innovations.
- **Advancing research maturity** to secure future funding and commercial success.

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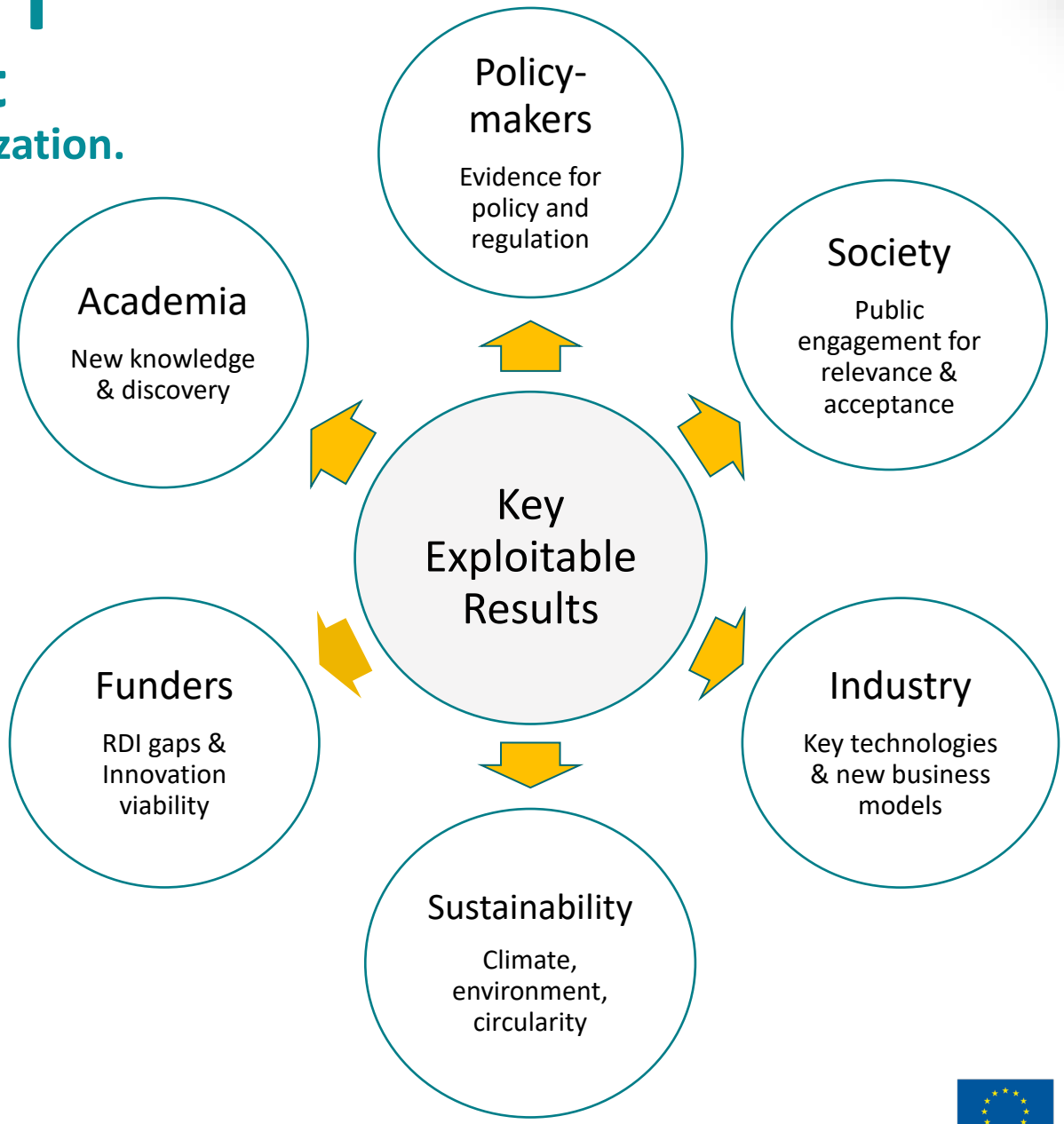
Exploitation pathway I
– from discovery to impact
For projects focussed on knowledge valorization.



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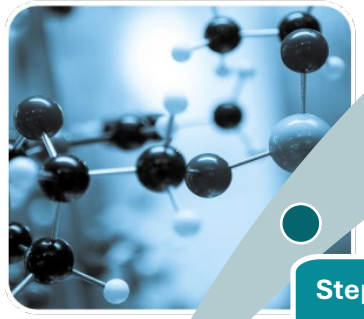
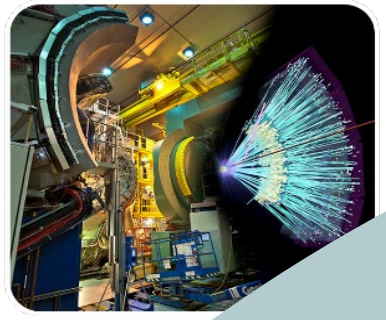
Exploitation pathway II – from lab to market

For projects aiming at commercialization.



Step 1:
Lab research
(TRL 1-4)



Step 2:
Prototype and validation
(TRL 4-5)

Step 3:
Demonstration
(TRL 6-7)

Step 4:
Building a team & creating new business
(TRL 6-9)

Step 5:
Commercialization & Go-to-Market Strategy
(TRL 6-9)

Step 6:
Market Integration and Scale-Up
(TRL 9)

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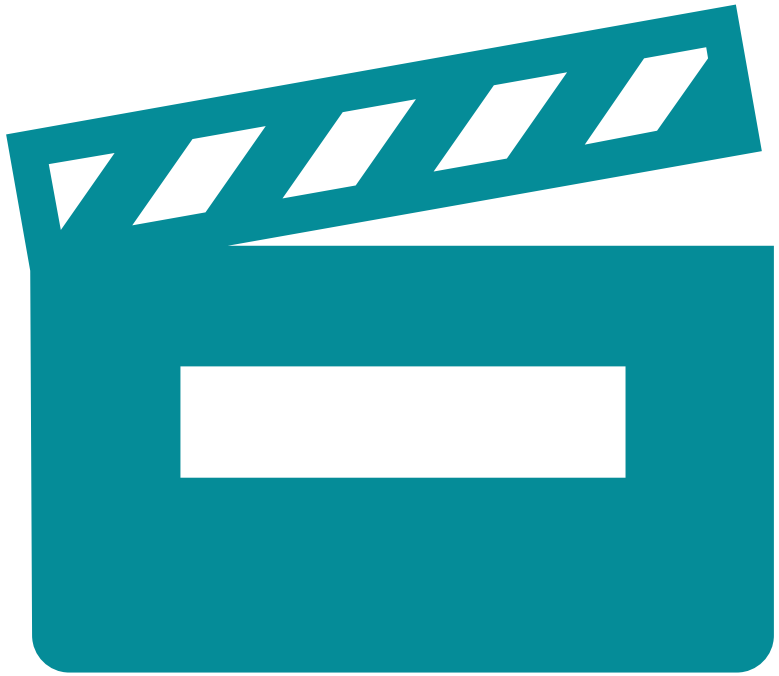

CETP Impact Support Video Guide

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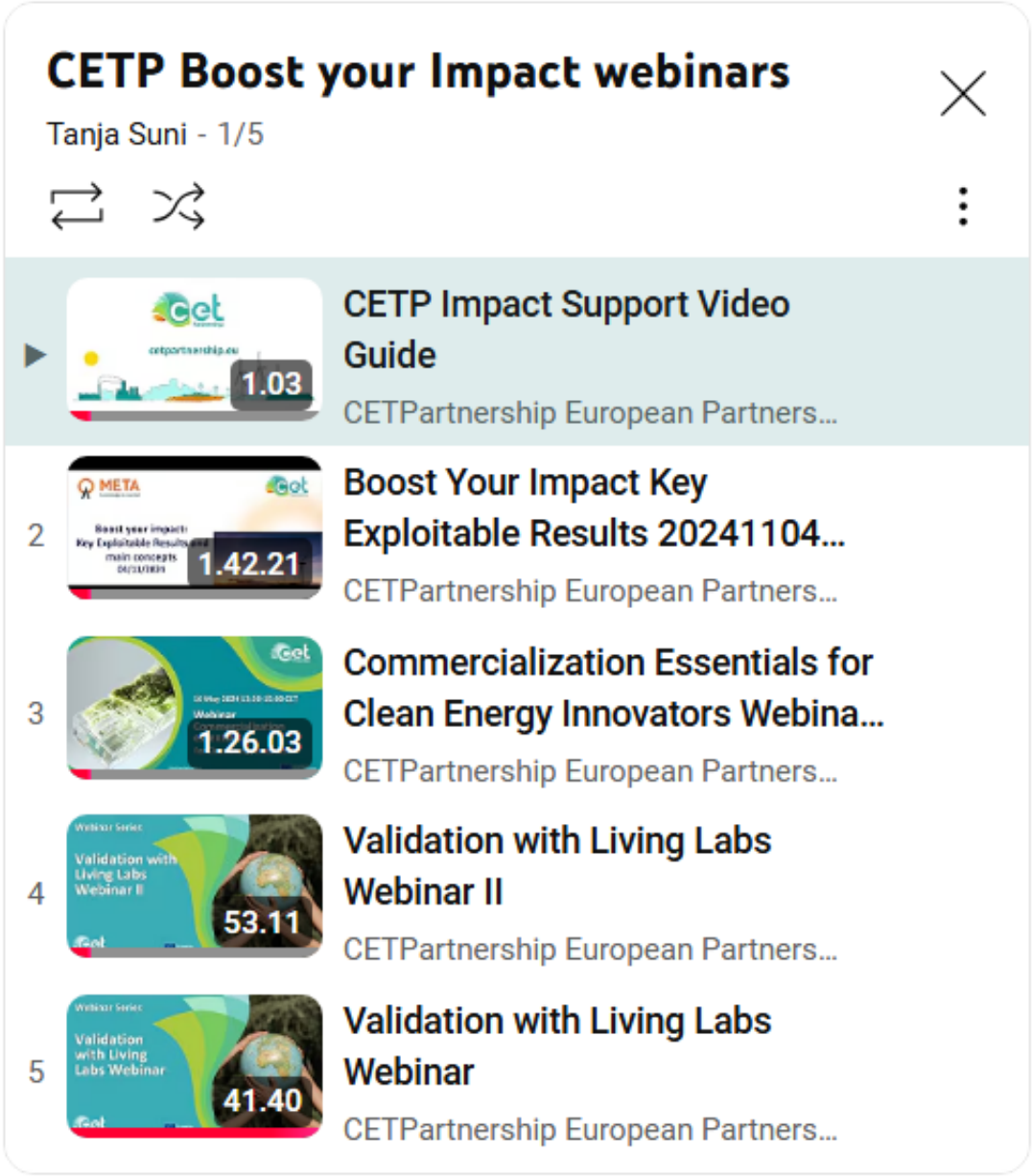
Recorded training webinars

Impact, Key Exploitable Results, End users, Societal readiness, Commercialization



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Your CETP Exploitation Plan – When Impact Is the Goal

– Not just tech, but **real-world use**
– Is it **needed**, **accepted**, and **deployable**?
– A strong plan = **better proposal**

Key Element	What to Cover
KERs	Key results & who needs them
Readiness	TRL, SRL, MCRL: current vs. target levels
Stakeholders	Use Penta Helix: industry, gov, civil society, funders, research
Strategy	Exploitation paths, roles, partnerships
Barriers & Ethics	Regulation, value chains, acceptability, legal/environmental issues

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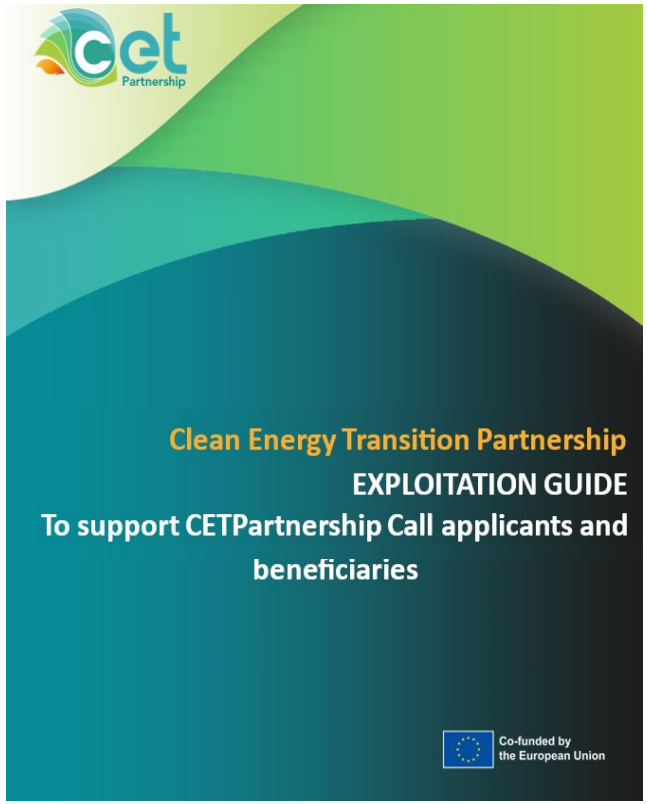
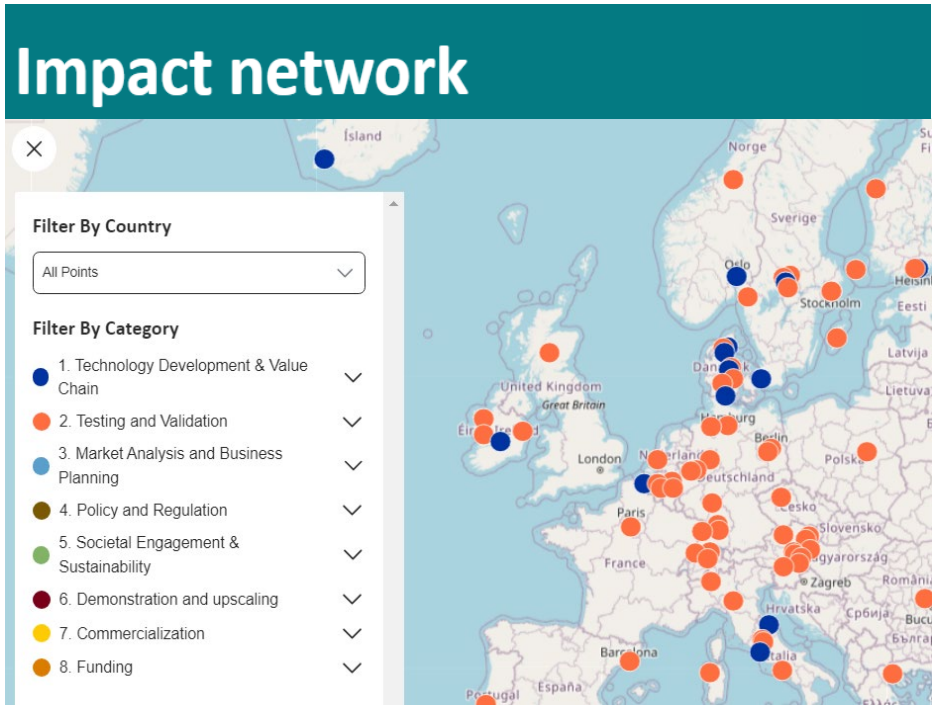
CETP Tools to Help You Succeed

– **Exploitation Guide** with readiness scales (market, commercial, societal)
– **Impact Network & Library**: stakeholders, impact & exploitation methodologies
– **Recorded Training Webinars** on validation, impact, exploitation & commercialisation
– **Pitching & Matchmaking** events to build your exploitation team early





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Slido question

What are your project's main impact goals
for instance, advancing validation, finding partners and investment for demonstration, commercialization, influencing policy, or achieving societal acceptance

and what do you see as the biggest challenges in achieving them?

Join via the QR code or via slido.com and #2042146

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Find the support at

https://cetpartnership.eu/about/impact-exploitation

Call modules 2025

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Call Module 01:
Multi-vector interactions between the integrated energy system and industrial frameworks

Call Module 02:
Energy system flexibility: renewables production, storage and system integration

Call Module 03 A & B:
Advanced renewable energy (RE) technologies for power production

Call Module 04:
Carbon capture, utilisation and storage (CCUS)

Call Module 05:
Hydrogen and renewable fuels

Call Module 06:
Heating and cooling technologies

Call Module 07:
Integrated regional energy systems

Call Module 08:
Integrated industrial energy systems

Call Module 09:
Clean energy integration in the built environment

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Call Module 1:

Multi-vector interactions between the integrated energy system and industrial frameworks

Michele de Nigris, Research and Development Institution (RSE), IT
TRI1@cetpartnership.eu

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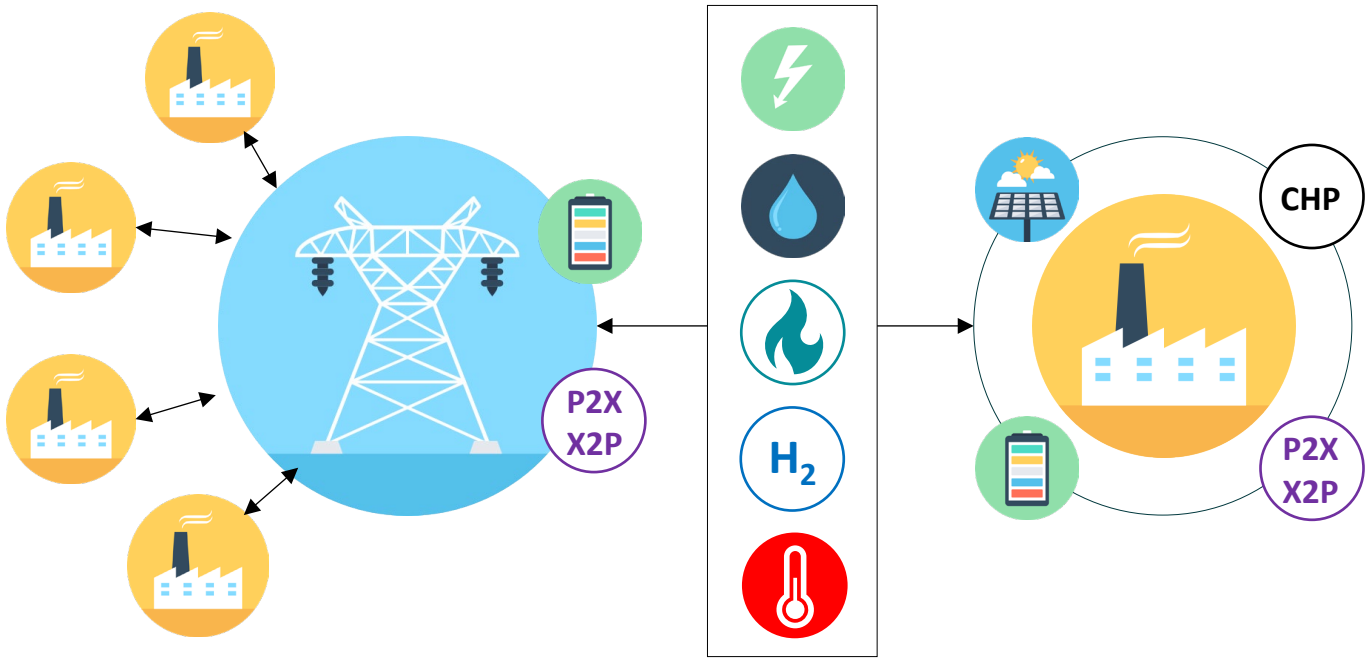
Joint Call 2025 – Call Module 1

Multi-vector interactions between the integrated energy system and industrial frameworks

Call Module 1, prepared by TRI 1 and TRI 6, aims to contribute to the interactions and **synergies among the clean energy system and industries**, adopting a **multi-vector approach** (electricity, gas, heat, fuels, etc.) and fostering **flexible interactions** between industrial plants and the energy system.

Why this Call Module

Solutions are required to enable coupling of industry sectors and energy systems, adopting technologies fostering flexibility throughout their processes and leveraging the potential related to different vectors.



Examples of multi-vector interactions

- Flexibility from industry for power system balancing (e.g. ancillary services, vRES, CHP, efficiency, load shedding, peak shaving, load shifting, production schedule shifting, Direct Current industrial networks, flexible industrial production processes)
- Energy storage – all types and durations
- Interaction with heat (e.g. waste heat and heat storage)
- Interaction with gas (e.g. biogas, biofuels, hydrogen and e-fuels)
- Interaction with water (e.g. electrolysis with fresh or treated water)

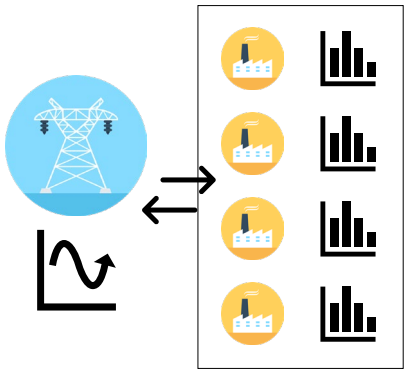
Joint Call 2025 – Call Module 1

Multi-vector interactions between the integrated energy system and industrial frameworks

This Call Modules adopts the energy system viewpoint and is meant for proposals

MANDATORILY REQUIRED

- **assessing flexibility resources** available from the industry **and flexibility needs** from the energy system viewpoint, leveraging the interaction of industrial systems with the renewable-based clean energy system looking at a multi-vector approach
- **modelling, planning and optimising** the multi-vector interactions between industrial sectors and the energy system (e.g. investigations and simulations of the dynamics of these interactions; development, testing and validation of reliable interfaces), also including environmental and economic aspects (e.g. analyses of sustainability and environmental impacts of these interactions and market-related aspects)



NICE-TO-HAVE

- **assessing the societal implications** of the new energy-industry synergies enabled by project outcomes

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Joint Call 2025 – Call Module 1

Multi-vector interactions between the integrated energy system and industrial frameworks

Expected outcomes

- **tools** (e.g. for integrated and multi-vector planning under high uncertainty conditions using stochastic and risk-management integrated planning)
- **methods** (e.g. using advanced computational technologies and AI to address holistically the energy system with multi-vector integration and implications related to environment and energy and flexibility markets)
- **solutions** (e.g. advanced multi-vector interface systems, working on existing infrastructures - control and measurement tools, or on test facilities – Hardware-in-the-Loop, considering standard architectures, interoperability and cybersecurity by design)

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Joint Call 2025 – Call Module 1

Multi-vector interactions between the integrated energy system and industrial frameworks

Consortium

For a proposal targeting a lower final TRL or including tools and methods for modelling and planning, **the involvement of need-owners in an advisory or steering board is recommended**.

For a proposal targeting a higher TRL or including validation, **involvement of need owner(s) as Project Consortium Partner(s) is mandatory**.

TRL

In case of modelling and planning activities, the definition of TRL is hardly applicable. However, the Key Exploitable Results (**KERs**) of the projects shall consist of tools (e.g. models, software, APIs, etc.) developed in open access platforms and developed according to quality standards, characterised by results traceability and system maintainability.

In case of validation and application activities (advanced laboratory activities):

- Project start: TRL 3 or higher
- Project end: **TRL increase of at least 2** from project start

Budget

In the range of **EUR 2–3 million**, including any self-financing.

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Call Module 2:

Energy system flexbility: renewables production, storage and system integration

Join via the QR code or via slido.com and #2042146

Franceso Basile, Ministry of University and Research (MUR), IT
TRI2@cetpartnership.eu

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MISSION INNOVATION CALL MODULE:

CM2025-02 Energy system flexibility: renewables production, storage and system integration

TRI 1 and **TRI 2** have a structured cooperation with the **Green Powered Future Mission** (GPFM) of **Mission Innovation**.

- The 2024 Call Module focused on the following 14 Innovation Priorities of GPFM, aligned with CETP SRIA.

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MISSION INNOVATION CALL MODULE:

CM2025-02 Energy system flexibility: renewables production, storage and system integration

GREEN POWERED FUTURE MISSION

5 R&I challenges

1. Large-scale renewable generation and system stability and reliability
2. Energy storage technologies and systems for flexibility services
3. System stability and flexible operations
4. Innovative flexibility sources and demand side for flexibility markets
5. System digitalization and related tools & technologies, including AI and digital twin

14 Innovation Priorities

1. **Large-scale renewable energy** generation for improving system reliability & stability
2. Variable renewable energy **flexibility provision** & contribution to generation capacity
3. Innovation in **energy storage technologies**
4. **Utility scale storage** systems for innovative flexibility services
5. **System stability assessment** considering high VRE penetration
6. Enhanced **TSO-DSO coordination platform** for flexibility markets optimisation
7. **Flexibility markets** for innovative ancillary services by VRE and storage
8. Unlocking **commercial and residential buildings flexibility** potential
9. Connected **data platforms** for enhanced forecasting and flexible operation
10. **Standardisation** of devices and control platforms
11. Identify priority **dataset for system security**
12. **Grid-supporting technologies** from inverter-based resources
13. Tools and solution for **DSO flexibility** management
14. Demand response, EV services and **grid impact** assessment

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MISSION INNOVATION CALL MODULE:

CM2025-02 Energy system flexibility: renewables production, storage and system

Additional provisions

EXPECTED IMPACT

- preservation of power system stability and reliability also in presence of large-scale renewable generation
- provision of flexibility services through energy storage technologies
- enhanced system stability and efficiency, also through digitalisation and AI applications
- development of flexibility markets through demand side applications and use of innovative flexibility sources

TARGETED TRL

Project start: TRL 3 or higher
Project end: TRL increase of 1–2 from project start

PROJECT SIZE

CM2025-02: in the range of (but not limited to) €1–2 million total project cost including self-financing

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Call Module 3:

Advanced renewable energy (RE) technologies for power production

Franceso Basile, Ministry of University and Research (MUR), IT
TRI2@cetpartnership.eu

Join via the QR code or via slido.com and #2042146

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Challenges

CALL MODULE: Advanced RE technologies for power production (ROA/IOA)

- **Advancing technologies and improving performance:** Improving the efficiency and performance of renewable technologies through innovative/improved components, materials and technologies.
- **Next generation RES:** innovative approaches to increase efficiency, sustainability and circularity of RE technologies, reducing environmental impacts of large installations.
- **Improving operational efficiency:** advanced monitoring and predictive analytics for renewable energy assets to prevent system failures and maximize energy generation.
- **Integration and hybridization** of different RES and/or storage technologies on the same site/point of connection to the grid; Production of power along with other energy carriers.
- **Digitalization and digital twins:** Design and develop digital twins for renewable energy technologies; leverage the potential of digital technologies to improve efficiency and reduce operational cost.

- CSP
- CROSS-CUTTING OFFSHORE RE TECHNOLOGIES
- GEOTHERMAL
- OCEAN ENERGY
- SOLAR PV
- WIND
- HYBRIDISATION INTEGRATION and STORAGE

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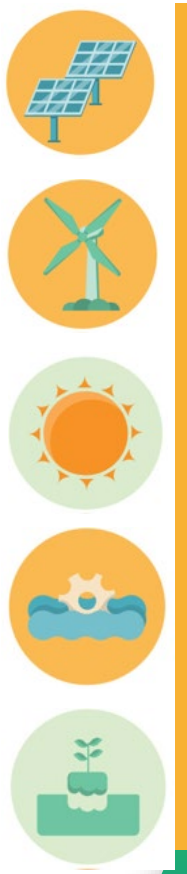
CM2025-03 A/B : Advanced RE technologies for power production (ROA/IOA)

Topics

CONCENTRATED SOLAR POWER (CSP) / SOLAR THERMAL ENERGY (STE)

- **Line-focus technology:** Components; process innovation and cost optimisation for molten salts systems; solar collector fields with environmentally friendly heat transfer fluids (HTF).
- **Central Receiver technology:** Innovative concepts, materials and components for molten salt technology.
- **Next generation of thermal energy storage (TES)** technologies for CSP: Heat transfer media for high-temperature thermal storage systems; Environmentally friendly PFAS-free heat transfer fluids (HTF).
- **Digitalisation of CSP plants** for flexibility, monitoring, operation maintenance and control.
- **Coating materials:** Innovative coatings for mirrors and absorbers; quality characterisation and standardisation of reflectors (soiling and degradation).
- **Integration of advanced meteorological data and forecasts:** Meteorological information for yield determination, optimization and standardization of CSP and hybrid plants (PV+CSP; STE+PV).



- CSP
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- OCEAN ENERGY
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- HYBRIDISATION INTEGRATION and STORAGE

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CM2025-03 A/B : Advanced RE technologies for power production (ROA/IOA)

Topics

SOLAR PHOTOVOLTAICS

- **Performance enhancement** of innovative PV modules (Perovskite, Thin-film non-perovskite, Tandem-PV); Advanced low-cost high-quality Si technologies.
- **Sustainability and circularity:** low environmental impact materials, processes, products; optimised resource use of silicon PV modules, reductions of critical raw materials, lifetime and.
- **Installation and operations:** Mounting structures for large PV modules; Control strategies for trackers for complex terrain PV plants sites or bifacial technologies; Lower-cost tracking systems.
- **Energy Yield improvement**: integration of sensors; shade-tolerant PV modules for dynamic changing illumination conditions, etc.
- **Digitalisation for O&M:** digital technologies to increase energy yield and reduce the cost of O&M; Advanced data analytics; digital twin of assets and components; predictive maintenance
- **Innovative applications:** innovative solutions for agrivoltaics and landscape integration; floating PV

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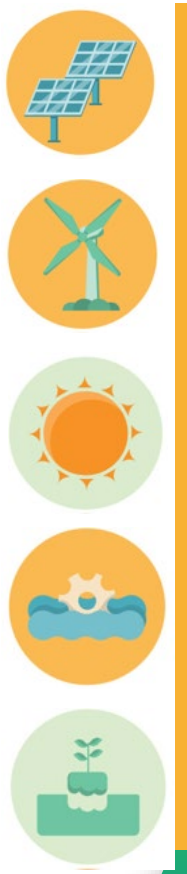
CM2025-03 A/B : Advanced RE technologies for power production (ROA/IOA)

Topics

CROSS-CUTTING OFFSHORE RENEWABLES TECHNOLOGIES (OCEAN/MARINE, FLOATING WIND/PV, ETC.)

- **Critical technologies for arrays:** Intra-array cabling, subsea hubs or other subsea electrical solutions applicable to multiple types of devices; High safety cable design with weak links / additional safety mechanisms.
- **Materials for moorings, foundations and components** with improved fatigue-resistance, damping, stiffness, bio-fouling management or other cost-reducing characteristics.
- **Mooring and foundations:** Advanced mooring and connection systems for floating ocean/offshore energy; foundations for bottom-fixed devices integrating biodiversity and sustainability; reduced impact on wildlife/nature.
- **Connections and cabling systems:** reduce the cost of connection and cabling systems, maintenance; dynamic cable repair solutions; Integrated station keeping (mooring) and power connection solutions.
- **Connections and cabling systems:** reduce the cost of connection and cabling systems, maintenance; dynamic cable repair solutions; Integrated station keeping (mooring) and power connection solutions.



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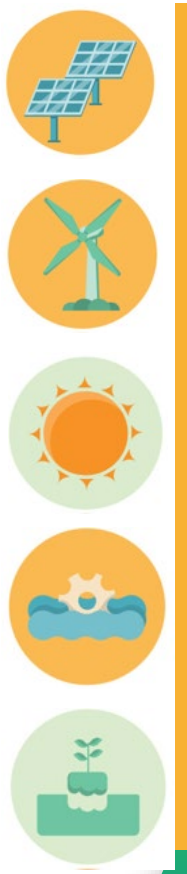
CM2025-03 A/B : Advanced RE technologies for power production (ROA/IOA)

Topics

CROSS-CUTTING OFFSHORE RENEWABLES TECHNOLOGIES (OCEAN/MARINE, FLOATING WIND/PV, ETC.) cont.

- **Operation and maintenance (O&M):** Innovative solutions to reduce costs of maintenance and optimise operations; Autonomous solutions and vehicles for inspection and repair; Self-healing materials.
- **Enhanced Marine and Meteorological Modelling for Offshore Renewables:** Leveraging site-specific ocean and atmospheric data to improve energy yield forecasting, optimise site selection, enhance the performance, reliability, and availability of offshore renewable installations.
- **Sustainable and efficient generation technologies:** Innovative solutions for improving generation performance of marine based technologies and the use of marine location.
- **Co-location of offshore wind and wave energy:** Anchoring and mooring systems for hybrid platforms; Solutions for joint cabling of devices with different voltage levels; Solutions for using dynamic cables of wave devices in co-location; Operation and Maintenance: Cost-saving operations strategies; Cost-saving maintenance strategies; Optimal vessel capacity and requirements.



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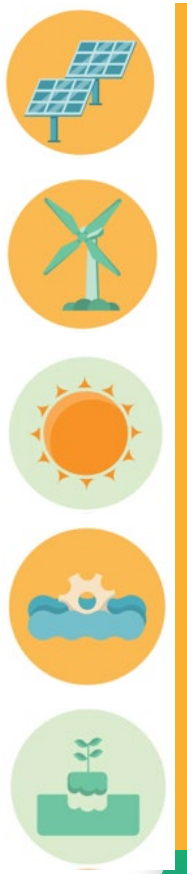
CM2025-03 A/B : Advanced RE technologies for power production (ROA/IOA)

Topics

GEOTHERMAL ENERGY FOR POWER APPLICATIONS

- **Resource assessment:** high performance computing techniques and robotisation to enhance resource assessment and development, lower LCOE for operations, promote safe and sustainable deployment of geothermal energy for power generation.
- **Sustainable and efficient production technologies:** Enhancement of the performance of power plants through the optimisation of the processes and application of innovative environmentally friendly solutions and materials to increase reliability, availability, and grid-balancing flexibility of the geothermal power systems.
- **New tools and approaches for the industrialisation and standardisation of a "common geothermal project"** (for power applications) which fits the social and environmental frame and supports the optimal decision-making process for techno-economic performance evaluation of projects.



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CM2025-03 A/B : Advanced RE technologies for power production (ROA/IOA)

Topics

HYBRIDISATION AND INTEGRATION

- **Site, system and technological integration of co-located RES** (onshore and offshore: co-location of ocean and wind energy; co-location of wind and PV; etc.). Hybrid systems combining electricity generation with heat or other energy carriers (H2, Fuels, etc.) improving cost-effectiveness and overall energy efficiency.

STORAGE

- **Storage solution for renewable power:** Innovative solutions and technologies for medium- and long-term storage of renewable power demonstrating benefit and or integration with the renewable power production technologies.

- CSP
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CM2025-03 A/B : Advanced RE technologies for power production (ROA/IOA)

Additional provisions

TARGETED TRL

CM2025-A (ROA): TRL 3–5 (Project start: min. TRL 3 - Project end: TRL 4 or higher)

CM2025-B (IOA): TRL 5–7 (Project start: min. TRL 5 - Project end: TRL 6 or higher)

PROJECT SIZE

CM2025-A (ROA): in the range of (but not limited to) €1–2,5 million total project cost including self-financing

CM2025-B (IOA): in the range of (but not limited to) €2.5–5 million total project cost including self-financing

SPECIFIC REQUIREMENTS

CM2025-B (IOA): Projects applying as IOA shall comprise at least one industry partner / private for-profit company.

- CSP
- CROSS-CUTTING OFFSHORE RE TECHNOLOGIES
- GEOTHERMAL
- OCEAN ENERGY
- SOLAR PV
- WIND
- HYBRIDISATION INTEGRATION and STORAGE

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Call Module 4:

Carbon capture, utilisation and storage (CCUS)

Aage Stangeland, The Research Council of Norway, NOR
TRI3@cetpartnership.eu

Join via the QR code or via slido.com and #2042146

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Carbon capture, utilisation, and storage (CCUS)

- Funding available for research and innovation projects focused on accelerating CCUS technology development.
- Projects expected to make significant CO_2 emissions reductions by deployment of CCUS in the 2030ies
- Projects must end at TRL5 or higher
- Proposals must include industrial involvement in the project
- Funding request may be in the range of (but not limited to) EUR 1–3 million, in addition to any self-financing.

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Targeted topics

- CO_2 capture from the energy sector and energy intensive or heavy industry sectors
- Advancing lower cost CO_2 capture technologies
- CO_2 transport and storage infrastructure
- Developing commercial CO_2 storage sites
- Enabling CO_2 utilisation technologies (CCU)
- Improvement of the cost-efficiency and energy-efficiency along CCUS value chains
- Bring CO_2Direct Removal (CDR) technologies closer to the market
- Cross cutting dimensions: regulations, market design, circularity, digitalisation, environmental sustainability, social awareness, etc
- Read the Call Module text for more details

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Call Module 5:
Hydrogen and renewable fuels

Isabel Cabrita, Portugal Science and Technology Foundation, PT
TRI3@cetpartnership.eu

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Funding RD&I on H2 & Renewable Fuels

- Projects are expected to contribute to accelerate fossil fuels' substitution and support the policy package "EU Fit for 55"
- Proposals must be technologically focused
- Projects must end at TRL 5 or higher
- Activities at lower TRL may be included if they contribute to the higher TRL goal of the overall project
- Proposals must include industrial involvement, either as consortium partners or in a steering committee
- Funding request may be in the range of (but not limited to) M€1-3, in addition to any self-financing
- Applications must also meet national eligibility criteria

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Targeted Topics

Projects are expected to contribute to new knowledge and new competences to increase technological cost-effective and cleaner solutions that provide alternative fuels to substitute fossil fuels.

- New and improved renewable fuels (incl. Hydrogen) production processes
- Reliable and low-cost production technologies of new and advanced fuels
- Secure and safe fuels' storage, including using solid and liquid carriers for hydrogen
- New and adapted infrastructures for hydrogen and new fuels distribution
- New and adapted end-use technologies in residential, industrial and mobility sectors
- Proposals must clearly describe the disruptive nature or the innovative aspect of technological concept

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Cross-cutting dimensions

- **Projects are required to consider one or more of cross-cutting dimensions**
- Consumer attitudes, risk perception and the levers which could influence consumer behaviour
- Life cycle, techno-economic and environmental impact analyses, including mass, water, land and energy consumptions aspects
- Barriers, opportunities, and solutions to scaling up
- System analysis and integration of processes in the energy system, continuity/intermittence
- Infrastructure and distribution aspects, including pipeline reuse and cost competitive materials for pipelines
- Digitalisation as part of the project

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Call Module 6:
Heating and cooling technologies

Gerdi Breembroek, Netherlands Enterprise Agency (RVO), NL
TRI4@cetpartnership.eu

Join via the QR code or via slido.com and #2042146

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Background and challenge

- Heat is half of the European energy demand
- 2023: ~ 45% of electricity from RES, ~ 25% of heat is from RES
- The heating and cooling transition is lagging behind in Europe
- We need improved heating and cooling technologies
- … more robust, affordable, efficient, easier to install and retrofit…
- … can be integrated into the energy system easier than today's products and concepts
- For buildings, agricultural and industrial users
- Open for R&D, pilots and demonstration projects

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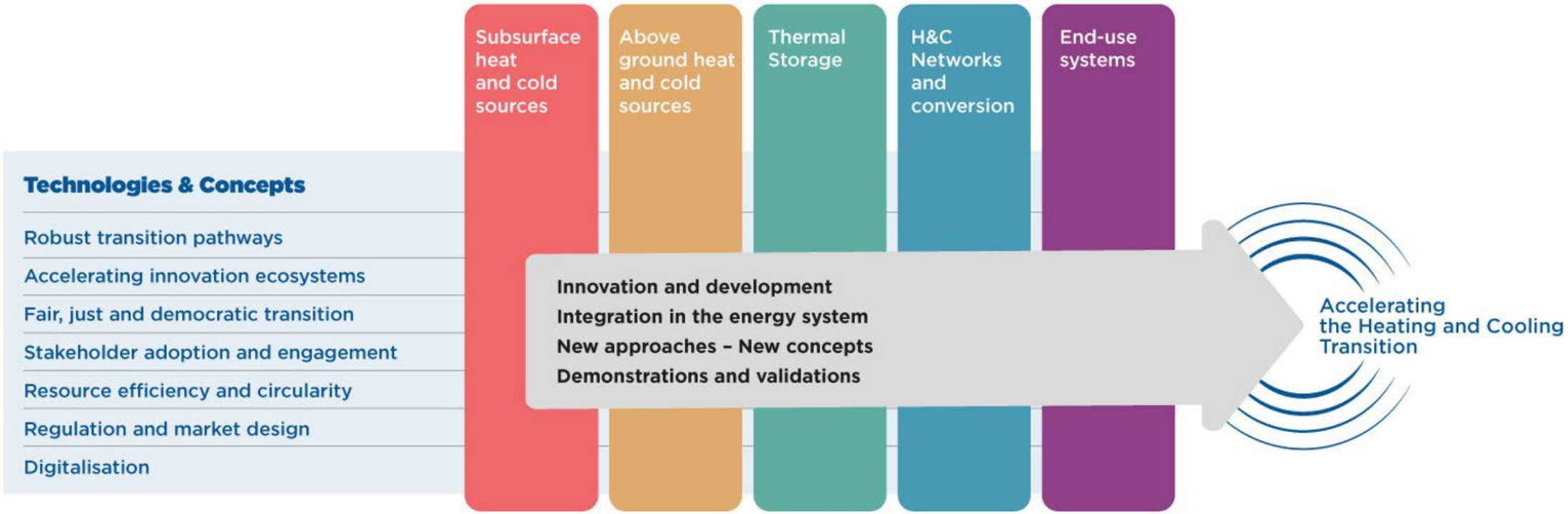
Scope



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What do we need? What do we offer?

- Demonstrate your market-relevance and impact
- Proof of concept before the start (TRL ≥ 3) mandatory
- At least one company as a project consortium partner
- And - your work should agree with the rules of your relevant funding organizations

- Interested? Join the Webinar 18 June 11.00 CEST – on this Call module
- Questions? Send an E-mail to tri4@cetpartnership.eu. Or your relevant funding organization

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Call Module 7:
Integrated Regional Energy Systems

Tina Ringenson, Swedish Energy Agency, SE
TRI5@cetpartnership.eu

Join via the QR code or via slido.com and #2042146

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CM2025-07: Integrated Regional Energy Systems

The **aim** is to promote innovations in regional energy systems that significantly accelerate Europe's energy transitions.

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CM2025-07: Integrated Regional Energy Systems

The **focus** is on enhancing the functionality of the regional energy systems by improving the **interactions** between energy system components, regional energy exchanges and different actors, including residents, businesses, the public sector, and the transportation system.

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CM2025-07: Projects

- Projects focusing on the *challenges* on the regional level for the energy transition, for example:
  - Increase the seasonal shift of renewable energy in the targeted region
  - Increase sustainability and circularity in the value chain of renewables
  - Increase resilience in the regional energy system
  - Demonstrate and validate solutions to overcome energy poverty
- Projects that connect with existing plans or roadmap
- Model system solutions that can be transferred to other regions
- Projects in regions and sectors with high potential for improvement.

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CM2025-07: Project requirements

- Proposals must take an **integrated approach** to the challenge. Technological development of only single components is ineligible.
- **Project budget**: Funding requested from the Call in the range of (but not limited to) EUR 1.5–5 million, in addition to any self-financing
- **Target RDI approaches/TRLs**: Should be TRL 6 or higher by the project's end

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CM2025-07: Consortia

Consortia of need owners in a shared geographical context with the intention of developing regional system level solutions.

- Private for-profit companies
- Innovation clusters
- Secondary and higher education establishments
- Research organisations
- Infrastructure providers and operators
- Public bodies (municipalities, local and regional governments)

etc.

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CM2025-07: Upcoming events

2025-06-17 – CEST 14:00-15:30

Information webinar with time for questions

2025-09-23 – CEST 14:00-15:30

- Q&A Session

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Call Module 8:
Integrated Industrial Energy Systems

Åsa Bergérus Rensvik, Swedish Energy Agency, SE

TRI6@cetpartnership.eu

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TRI6 Integrated Industrial Energy Systems - CM08

aims at developing and demonstrating a set of technical solutions for integrated industrial energy systems enabling efficient carbon-neutral industrial production sites

- Special emphasis in the initiative is placed on solutions for system- and process-level integration of technologies for efficient industrial power, heating, and cooling.
- The aim is to support projects so that they can lead to faster market uptake and/or upscaling

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Challenges 2025 - Targeted Topics

This Call Module welcomes proposals for research, development and innovation projects that address one or more of the three challenges.

- Challenge 1: Reducing emissions from the industrial energy system
- Challenge 2: Enabling renewable energy integration and resource efficient industrial energy system
- Challenge 3: Climate-neutral industry

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TRI6 Call Module for Industrial Energy Systems (CM8)

INTEGRATED INDUSTRIAL ENERGY SYSTEMS

INDUSTRIES
FOOD AND DRINK
CEMENT
PULP AND PAPER (FOREST INDUSTRY)
STEEL
CHEMICALS

REDUCING EMISSIONS FROM INDUSTRIAL PROCESSES

- Efficiency (utilising excess heat etc.)
- Circularity
- Electrification
- Green hydrogen: energy carrier and raw material in processes
- CCU (CO2 to chemicals or long lasting products)
- Bio-CCU enabling negative emissions
- Reduction of emissions other than GHG

FLEXIBILITY FOR ENERGY SYSTEM

- Enabling flexible use of renewable electricity in industry
- Flexible use of electricity including flexibility from heat/process storage buffers
- Energy sector coupling in industry: power and heat networks and industrial symbiosis

ACCELERATING INDUSTRIAL DECARBONISATION

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Requirements CM8

Consortia Partners:

- Research institutes, Universities, Public sector organizations, like municipal companies, Industrial companies including suppliers of technology and services and end users
- A Project Consortium must have industrial involvement by at least one industrial Project Consortium Partner (private for-profit company), preferably an end user

- Projects are expected to increase their Technology Readiness Level (TRL) throughout the duration of the project so that they move closer to commercial readiness
- Project end: TRL 6 or higher
- Activities at lower TRL maybe included if they contribute to the higher TRL goal of the overall project.
- Funding requested from the Call in the range of (but not limited to) EUR 1.5–5 million, in addition to any self-financing

Applications must fill all national requirements

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Upcoming events

- TRI3 & TRI6 Call launch webinar 13 June
- TRI6 Matchmaking event 18 June

https://cetpartnership.eu/calls/joint-call-2025

https://www.b2match.com/e/clean-energy-transition-partnership-2024/events/204

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Call Module 9: Clean Energy Integration in the Built Environment

Thomas Biel, NET Nowak Energy, CH
TRI7@cetpartnership.eu

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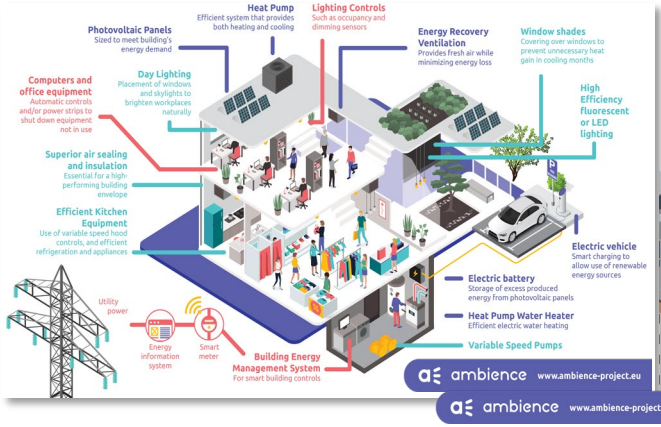
Focus



Individual Technologies

TRI 2, 4

Integration in Buildings

TRI 7: Focus on the Interface - Emphasis on Integration

Areal Concepts

TRI 5

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What are we aiming for within Call Module 9

- The integration of already existing energy production, energy storage and energy management technologies into the (existing) built environment
- To enhance energy flexibility within the built environment
- To foster the digitalization from the planning process, over construction phase to commissioning, through operation and finally ending in decommissioning and disposal
- To push the development of new concepts and technologies to renovate and refurbish the built environment

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Challenges

- **Challenge 1** Transform the building to an active part within the energy system by integrating energy production, energy storage and energy management technologies.
- **Challenge 2** Digitalisation of the whole life cycle of a building (planning, construction, fit-out, commissioning, operation, decommissioning and disposal).
- **Challenge 3** New concepts and technologies for the renovation of the existing built environment to enhance energy efficiency and lower the energy demand.

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Expected outcome of funded projects

Funded projects must contribute to the transformation of the built environment from a pure energy consumer into a prosumer (producer-consumer) of renewable energy and from a passive into an active and integrated role in the future energy landscape.

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Requirements

- Project start: TRL of 3 or higher,
  Project end: TRL 5 or higher
- No other Call Module specific requirements
- Project consortia from the energy, building and construction community (public & private research organisations and industry)

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Submission platform

Rachele Nocera

Co-funded by
the European Union

Enterprise Europe Network,

Astrid Flandorfer
Enterprise Europe Network, Austrian Research Promotion Agency (FFG)

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the European Union

Audience Q&A session

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Join Slido to ask questions!

Join via the QR code or via slido.com and #2042146

https://app.sli.do/event/gXvUwdJytS7MkcWYDTTZtN

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Contact point for questions

Call application, submission, evaluation, calendar, etc.	Call modules and thematic topics	National requirements and national eligibility, project start & contractual matters	Finding project partners	Press, media, events, & other communications matters
Call Management	Your TRI Office	Your national funding agency	Support Team/Matchmaking Co-Organisers	Communication Office
callmanagement@cetpartnership.eu	tri1@cetpartnership.eu tri2@cetpartnership.eu tri3@cetpartnership.eu tri4@cetpartnership.eu tri5@cetpartnership.eu tri6@cetpartnership.eu tri7@cetpartnership.eu	https://cetpartnership.eu/calls/joint-call-2025/fundig-organisations	matchmaking@cetpartnership.eu or Organisers for Matchmaking | Clean Energy Transition Partnership	CommunicationOffice@cetpartnership.eu

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Join our platform!

- **The Event- and Matchmaking platform of the CETPartnership!**
- Find **project partners and collaboration opportunities** to build a consortium

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the European Union

Upcoming events

More events including National and Regional Events can be found on our

Event and Matchmaking platform

B2Match: [All events | Clean Energy Transition Partnership]

ONLINE 9 JUN 2025 — 11:30

Materials for RE: New Materials for Energy: Sustainability and Improved Performance

Join us on 9 June at 11:30 (CEST) for an insightful workshop exploring cutting-edge materials driving the clean energy transition. Register by logging in to your profile and clicking the green 'attend' button!

- Thematic Events

ONLINE 13 JUN 2025 — 11:00

Information Event for Joint Call 2025: Call Modules 4 ,5 & 8

Interested in Joint Call 2025`s Call Modules 4, 5 or 8? Join us for the event on 13 June. Register and click the green attend button to join.

- Thematic Events

ONLINE 18 JUN 2025 — 09:00

Integrated Industrial Energy Systems Pitching & Matchmaking event

Are you looking for collaboration in industry projects? Welcome to an online matchmaking event for our upcoming Joint Call 2025 on June 18th! Click the green button to register for the event.

- Thematic Events

ON-SITE 26 JUN 2025 — 09:00

3rd Cross-sector Symposium on Interoperability: Governance and Testing Strategies for Interoperability: Challenges and Opportunities

Vienna Allianz Stadion, Gerhard-Hanappi-Platz 1, 1140 Wien, Austria

Join us for an insightful exploration into the challenges for governance and interoperability testing to ensure digitalisation.

- Thematic Events

External event

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Stay tuned for call updates and other news!

https://cetpartnership.eu

https://www.youtube.com/@cetpartnership

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EVENTS

PROJECT MATCHMAKING

NEWSLETTER

bit.ly/CETPartnershipMatchmaking

EUROPEAN PARTNERSHIP

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