

CETP Joint Call 2024: What's in it for Norwegian stakeholders?

10 June 2024

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Agenda

- Brief introduction of CETP
- Presentation of the CETP Call
- Norwegian eligibility criteria
- Q&A

Practicalities

- The meeting will be recorded and the recording will be published for future watching
- Slides will be available after the meeting together with the recording at the CETP web site
 - <https://cetpartnership.eu/>
 - Go to events and the Norwegian webinar 10 June 2024
 - Contact Aage Stangeland, ast@rcn.no if it is difficult to find it
- Online data declaration: Please be aware that your name will be displayed in the list of participants as well as in the chat window.



The RCN CETP Team



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Introducing CETP

What

A partnership of national and regional research, development and innovation (RDI) programs

Why

CETP supports the implementation of the European Strategic Energy Technology Plan (SET Plan), with the ultimate objectives to:

- achieve a climate-neutral society by 2050
- diversify Europe's energy supplies
- strengthen Europe's clean energy value chains, making them more sustainable

How

Annual joint calls



30+ Countries

20+ EU Member States
+ 10 Associated Countries

47+ Funding Partners

Funding Agencies
& Ministries

Top-up

European Commission is the
single biggest financing
organisation

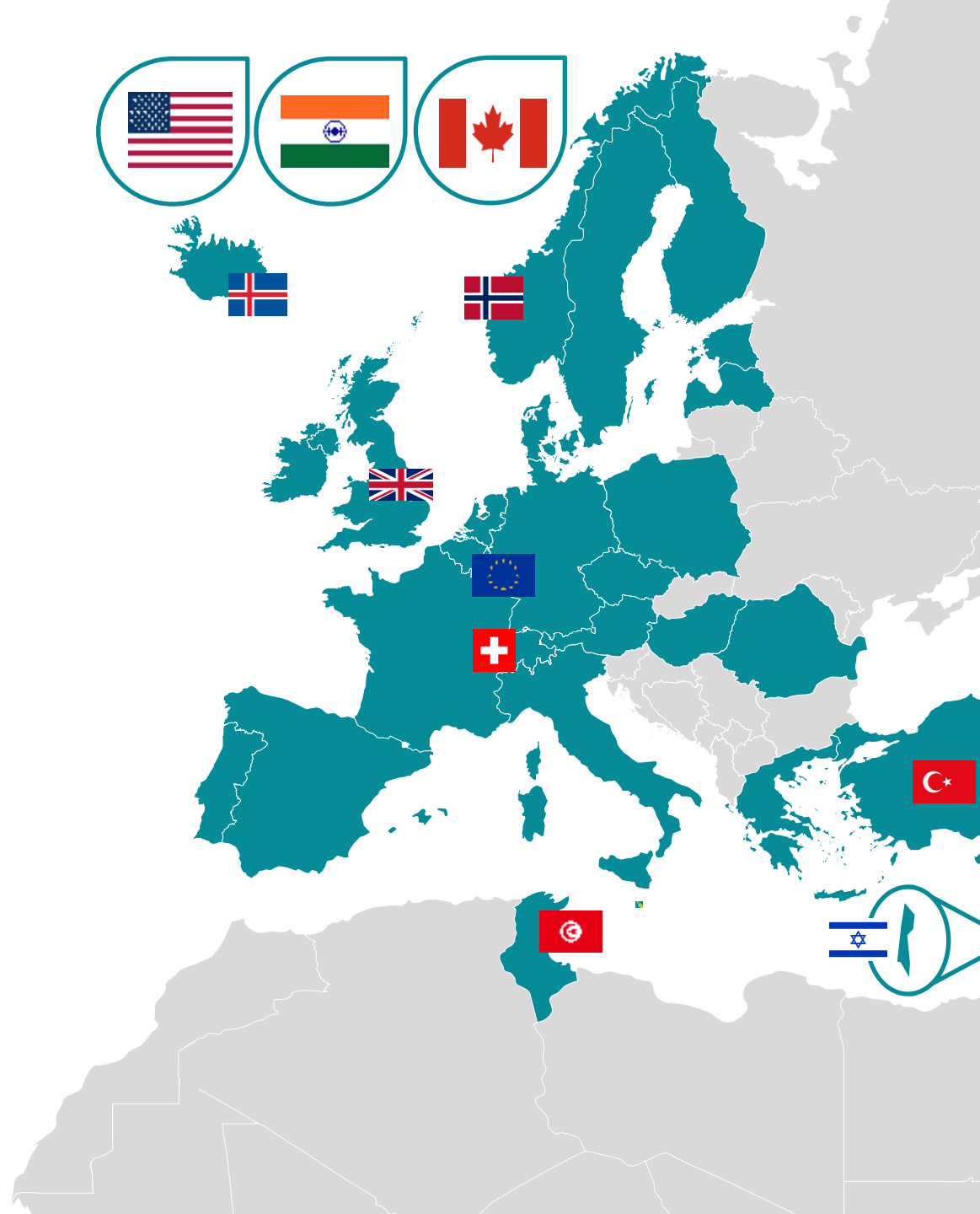
13 Coordination Units

Coordinator: BMK / SWEA

Annual Calls for RTDI Projects

100 – 140 M € per year
2022 - 2027

Call 2024
Total > 100 M €



The CETP Joint Call 2024

The CETP Joint Call is available at the CETP website, <https://cetpartnership.eu/>

An annex including all national requirements will be available at latest 5th July



Transition Initiatives (TRIs)

What is a TRI?

The Transition Initiatives (TRIs) are **thematic configurations** of CETPartnership funding partners in order to work together on a specific **Strategic Research and Innovation Agenda (SRIA)** Challenge.

The 7 TRIs

1. Integrated net-zero emission **energy systems**
2. Enhanced **zero emission power technologies**
3. Enabling climate neutrality with storage technologies, **renewable fuels and CCU/CCS**
4. Efficient zero emission **heating and cooling solutions**
5. Integrated **regional energy systems**
6. Integrated **industrial energy systems**
7. Integration in the **built environment**

Annual Joint Calls

Each TRI defines the scope of one or more **Call Modules**. Call Modules are the topics of each annual Joint Call.

All involved funding partners then decide which **Call Modules** they wish to participate in.

Applicants should be aware that **NOT** all funding partners participate in all call modules.

CETP Joint Call 2024 - schedule

Stage 1 Opening for pre-proposal submission	19/09/2024
Stage 1 Closing	21/11/2024, 14:00 CET
Stage 2 Opening for full-proposal submission	29/01/2025
Stage 2 Closing	31/03/2025, 14:00 CET
Funding decision communicated	July 2025
Project start (tentative)	September 2025
Application to national/regional Funding Agencies	Consult specific Funding Agency Annex.

CETP Joint Call 2024 – Call Modules

01	Energy data spaces and interoperability	TRI1&TRI5
02	Energy system flexibility: renewables production, storage and system integration	TRI1&TRI2 &MI GPFM
03A/B	Advanced renewable energy (RE) technologies for power production (ROA/IOA)	TRI2
04	Carbon capture, utilisation and storage (CCUS)	TRI3
05	Hydrogen and renewable fuels	TRI3
06	Heating and cooling technologies	TRI4
07	Geothermal energy technologies	TRI4
08	Integrated regional energy systems	TRI5
09	Integrated industrial energy systems	TRI6
10	Clean energy integration in the built environment	TRI7

CETP Joint Call 2024 – Call Modules applicable for Norwegians applicants

01	Energy data spaces and interoperability	TRI1&TRI5
02	Energy system flexibility: renewables production, storage and system integration	TRI1&TRI2 &MI GPFM
03A/B	Advanced renewable energy (RE) technologies for power production (ROA/IOA)	TRI2
04	Carbon capture, utilisation and storage (CCUS)	TRI3
05	Hydrogen and renewable fuels	TRI3
06	Heating and cooling technologies	TRI4
07	Geothermal energy technologies	TRI4
08	Integrated regional energy systems	TRI5
09	Integrated industrial energy systems	TRI6
10	Clean energy integration in the built environment	TRI7

Call Module 3A and 3B – Advanced renewable energy (RE) technologies for power production

TRI 2 will implement the SRIA **Challenge 2 “Enhanced zero emission power technologies”** supporting technology breakthroughs and substantial improvement of RE technologies from materials to components to systems, addressing the issues of sustainability, circularity and social acceptance

Over the last years, there has been a significant **increase in efficiency** and **reduction of costs** related to renewable energy. Nevertheless, the effort required to meet the Fit-for-55 and the decarbonization strategy to 2050 **requires breakthrough research and innovation to improve the performances and competitiveness** of RES at the necessary pace





Call Module 3A and 3B

3A: TRL 3–5

Project start: TRL 3 or higher

Project end: TRL 4 or higher

Funding rates: In the range of (but not limited to) €1–2 million



3B: TRL 5–7

Project start: TRL 5 or higher

Project end: TRL 6 or higher

NO partners can take part i WPs to max. 6 at the end of the project.

Funding rates: In the range of (but not limited to) €2.5–5 million



The projects shall address one of the following target topics:

- **Wind Energy (onshore/offshore)**
- **Solar PV**
- **Offshore renewables (cabling, mooring, foundations, O&M, etc.)**

Call Module 4 - CCUS

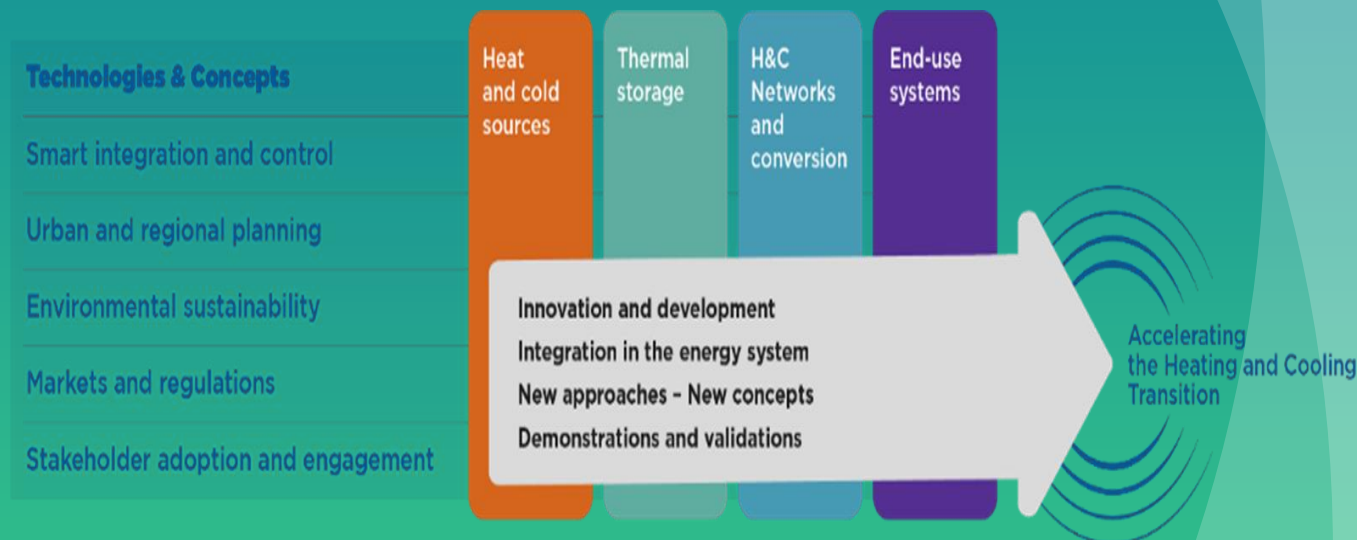
- Open for applications within CO₂ capture, transport, utilization, and storage
- Negative emission technologies are included in the scope (DAC, BECCS, etc)
- Projects must end at TRL 5 or higher
- Activities at lower TRLs may be included if they contribute to the higher TRL goal of the overall project
- Active industrial involvement in research and innovation activities.
- Applied funding from the Call in the range of (but not limited to) € 1–4 M

Call Module 5 – Hydrogen and renewable fuels

- Hydrogen and renewable fuels production
- Reliable and low-cost production technologies of new and advanced fuels
- Fuel distribution infrastructure
- Secure and safe fuel storage
- New and adapted end-use technologies
- Projects must end at TRL 5 or higher
- Activities at lower TRLs may be included if they contribute to the higher TRL goal of the overall project
- Active industrial involvement in research and innovation activities.

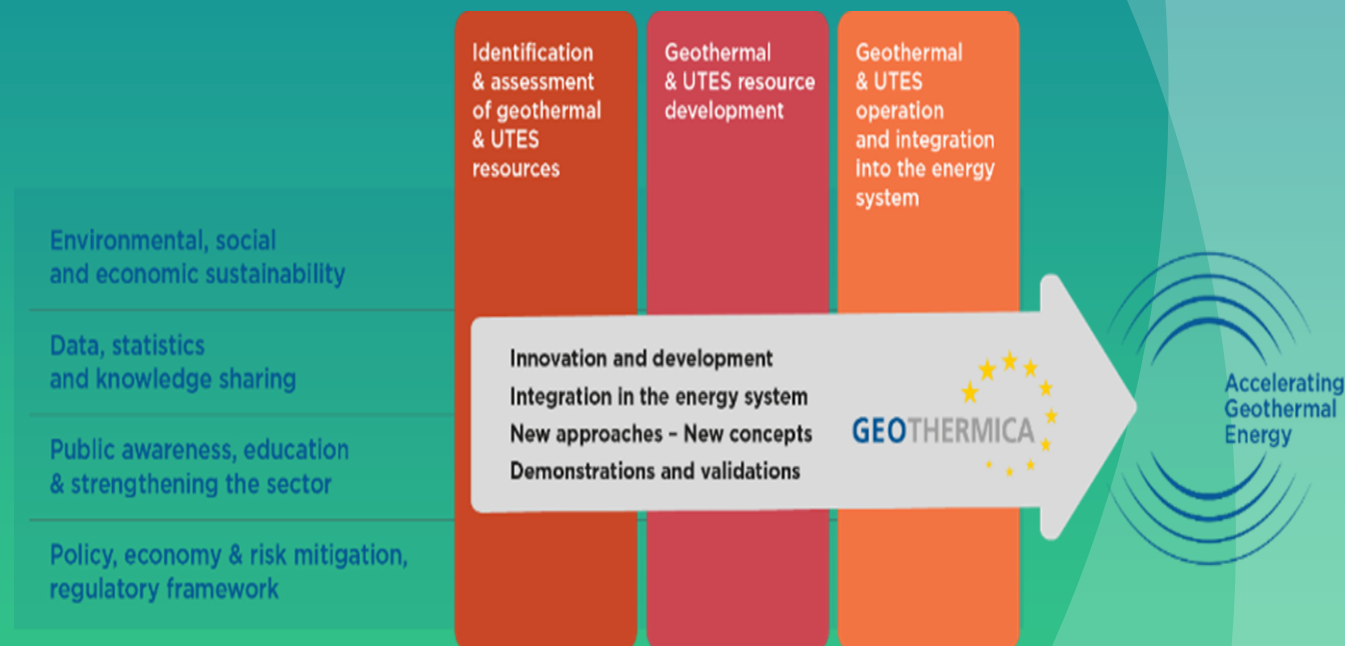
Call Module 6 – Heating and cooling technologies

- All heat and cold sources, distribution, storage, and conversion, as well as end-use systems.
- Includes applications within both the built environment and industrial processes, covering collective and individual systems.
- Aimed at fostering innovation across a wide range of areas crucial for optimizing energy efficiency and sustainability in heating and cooling solutions.

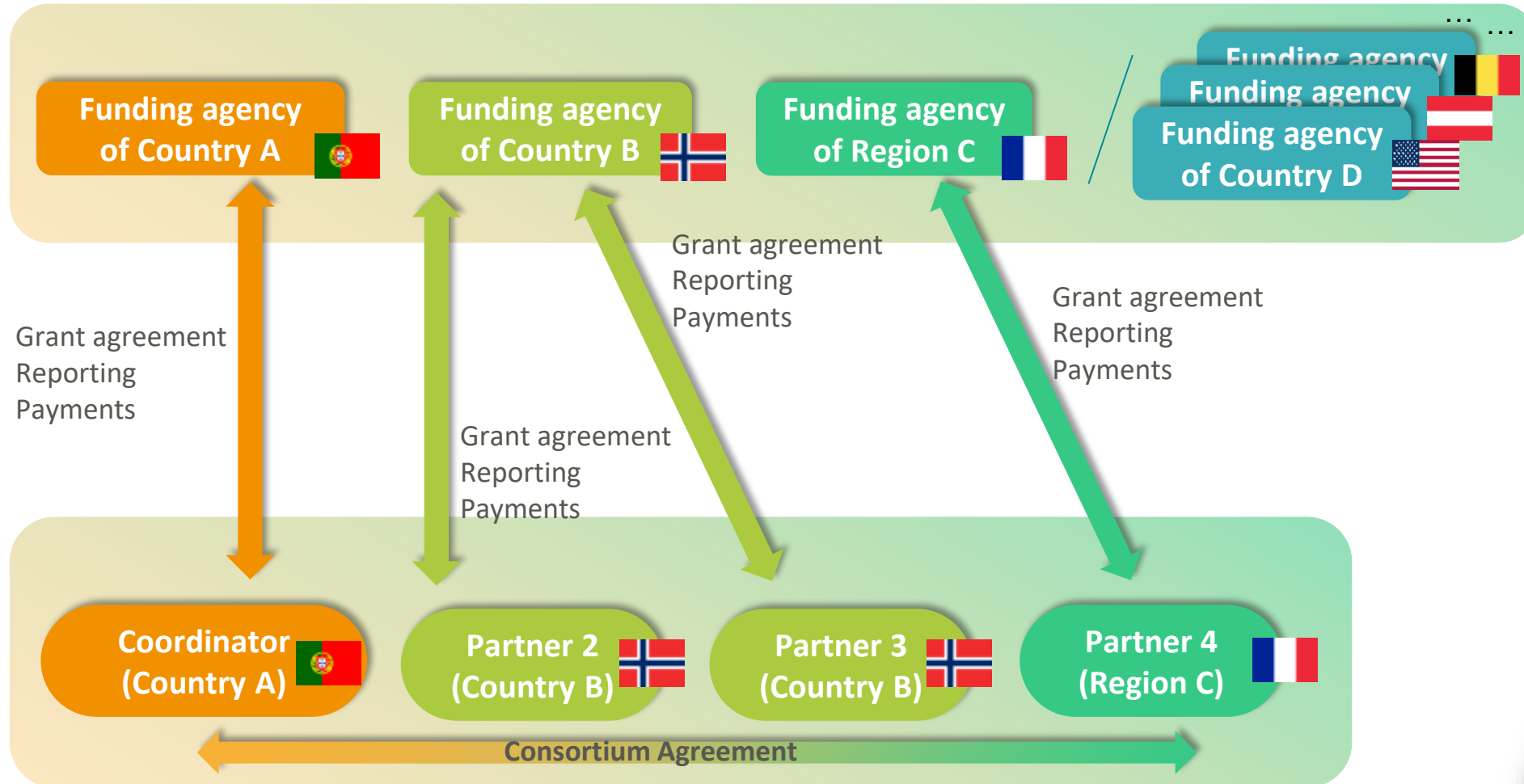


Call Module 7 – Geothermal energy technologies

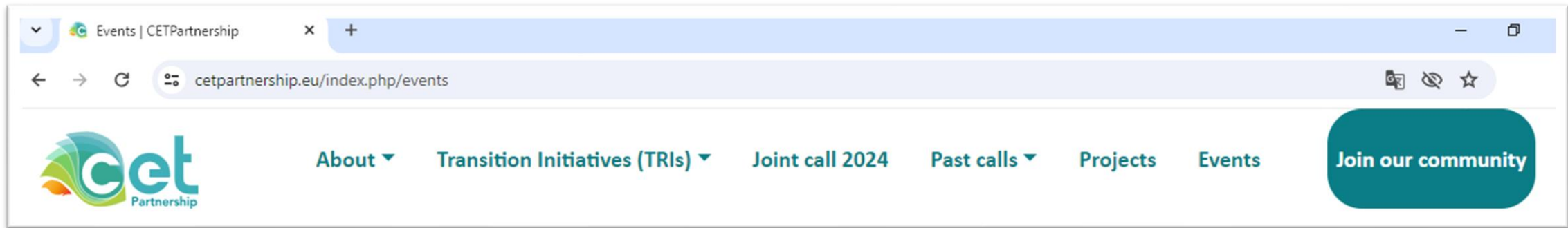
- Geothermal energy-related innovations across multiple domains, including heating and cooling, power generation, and underground thermal energy storage (UTES).
- Opportunities for the co-production of geothermal minerals, highlighting the holistic approach to leveraging geothermal resources.
- Targeting all stages of geothermal energy production, including the identification of subsurface resources, resource development, operation and integration in the energy system



Consortium building



Matchmaking



General steps for submitting an application



Two-step procedure:

- ✓ submission of a **pre-proposal** followed by a potential invitation to submit a **full proposal**
- ✓ eligibility check according to both general and national/regional requirements
- ✓ evaluation by three experts per proposal
- ✓ Evaluation criteria: Excellence, Impact, Implementation.
- ✓ Scale of marks: 0 to 5 where 5 is best
- ✓ Threshold: score at or above 10 and none of the criteria scoring below 3



Submission:

- ✓ choose one Call Module per proposal
- ✓ Project Coordinator invite Project Partners through the submission system
- ✓ PIC and NACE codes needed for all organisations

CETP eligibility criteria



- ✓ each project proposal must include **at least three eligible and independent legal entities from at least three different countries** participating in the CETP Joint Call 2024, out of which at least two must be EU Member States or Horizon Europe Associated Countries
- ✓ applicants must be eligible for funding according to their Funding Partner's national/regional requirements

CETP eligibility criteria



The **consortia** shall include:

- ✓ Minimum 3 eligible partners applying for funding, at least 2 must be from an EU or Horizon Europe associated country
- ✓ one Project Coordinator
- ✓ public research organizations, universities and higher education institutions
- ✓ "need-owner(s)" and relevant stakeholders (e.g. energy supply companies, DSOs, TSOs, system integrators, ICT companies, local/regional authorities, equipment and solutions providers, industrial companies, etc.)
- ✓ total effort of one Partner cannot exceed 60% of the total project efforts (person months)
- ✓ total effort of Partners from one country/region cannot exceed 75% of the total project efforts (person months)
- ✓ fully self-financed Partners from any country/region who brings their own secured budget can be included. The self-financed Partner cannot be the Project Coordinator and does not count to fulfil the transnationality criteria

National eligibility criteria



- ✓ There will be national eligibility criteria
- ✓ They will be included in an annex to the CETP Joint Call. This will be available at latest 5th July.

NB

- ✓ In the CETP 2023 call 25 % of the stage 1 applicants ended up with in-eligible pre-proposals.
- ✓ Most of them because of national in-eligibility.
- ✓ Half of those partners were eligible, but failed because some other partners in their consortia were in-eligible

Norwegian eligibility criteria

Funding commitment	<ul style="list-style-type: none"> • NOK 30-50 M (approximately € 4.19 M) for Call Module 4: <i>CCUS</i> • NOK 30 M (approximately € 2.51 M) all together for: <ul style="list-style-type: none"> ○ Call Module 3A and 3B: Advanced renewable energy (RE) technologies for power production ○ Call Module 5: Hydrogen & renewable fuels ○ Call Module 6: Heating and cooling technologies ○ Call Module 7: Geothermal energy technologies
Anticipated number of projects to be funded	From 7 to 12
Maximum funding per awarded project	<ul style="list-style-type: none"> • Maximum NOK 10 M for Call Module 4 projects • Maximum NOK 6 M for projects under Call Modules 3A and 3B, 5, 6 and 7
Eligible types of organisations	<p>The call is open to approved Norwegian research organisations, actors from public sector entities, non-governmental organisations, and companies from the business sector.</p> <p>The main Norwegian partner must be either an approved Norwegian research organisation or a Norwegian company that has been issued an enterprise number under the Norwegian Register of Business Enterprises (Brønnøysundregistrene) and carry out economic activity in Norway.</p>

Norwegian eligibility criteria

Eligible types of RDI and TRL

For Call Module 4:

- The Norwegian activities must comply with topics listed in the CLIMIT Program Plan
- Norwegian activities must lead to long-term CO₂ storage. Hence, CCU activities without long-term CO₂ storage are in-eligible
- TRL: max. 6 at the end of the project

For Call Modules 3A and 3B:

- The Norwegian activities must comply with priorities listed in the Portfolio Plan for Energy, transport and low emissions and the priorities in the Energy 21 strategy.
- The projects shall address one of the following target topics:
 - Wind Energy (onshore/offshore)
 - Solar PV
 - Offshore renewables (cabling, mooring, foundations, O&M, etc.)
- TRL: max. 6 at the end of the project. For international projects reaching a higher TRL level (Innovation-Oriented Approach, IOA), Norwegian partners can participate in work-packages ending on max TRL 6.

For Call Modules 5, 6, and 7:

- The Norwegian activities must comply with priorities listed in the Portfolio Plan for Energy, transport and low emissions and the priorities in the Energy 21 strategy
- TRL: max 6 at the end of the project

Norwegian eligibility criteria

Submission of proposal / documentation at national/regional level	<p>A detailed budget for Norwegian partners must be sent on e-mail to the relevant RCN contact persons within 21st November 2024, end of business.</p> <p>The budget must include details listed at the RCN web site; Please specify all cost items per partner per year.</p> <p>A template will be provided from your RCN contact person upon request – please send us an e-mail.</p>
Other	<p>Applied funding rates for all Norwegian applicants must comply with European state aid guidelines. Details are available at the RCN website.</p> <p>Please use exchange rates between NOK and Euro close to the due date for submission of your pre-proposal. Specify the exchange rate applied in your application. The applied exchange rate will be binding for all proposals invited further to full proposal and will not be subject to any change.</p>
Additional eligibility criteria	<p>The Norwegian team of participants must fulfil the criteria of one of these two alternative project types:</p> <ol style="list-style-type: none"> 1. Knowledge building project 2. Innovation project for the industrial sector

Alternative 1 - Knowledge building project

- **Projects aimed at developing new knowledge and generating research competence needed by society or the business sector to address important societal challenges.**
- Collaboration between research group(s) and relevant actors from outside the research sector is required.

The Norwegian team must include at least one approved Norwegian research organisation and at least two relevant Norwegian companies.

- Companies are not eligible for financial support.
- The Norwegian applicants must document (in their budget) that at least 10 % of the Norwegian total costs will be used by the Norwegian industrial or end-user partners.
- The Norwegian industrial or end-user partners may contribute with financial support (cash) in addition to the required in-kind efforts.
- **Companies must be registered as self-financed partners in the CETP submission portal**
- **Letters of Intent** from all Norwegian companies are required in stage 1 (pre-proposal), and **Letters of Commitment** in stage 2 (full proposal). The letters must be uploaded in the CETP submission portal
- Note: Applications without required industrial participation at stage 1 will be in-eligible and not evaluated for potential proceedings to stage 2

Alternative 2 – Innovation project for the industrial sector

- Open for projects in which companies are engaged in business-led innovation and where research and development (R&D) is a critical part of the innovation process.
- The main Norwegian applicant must be a Norwegian company.
- Norwegian research organisation(s) may be partner(s). The cost for research organisation(s) must be covered by the company(ies)
- Letters of Intent from all Norwegian companies are required in stage 1 (pre-proposal), and Letters of Commitment in stage 2 (full proposal). The letters must be uploaded in the CETP submission portal
- The maximum funding rate for the Norwegian companies is 50%

Questions?

