



CETPartnership Joint Call 2022
TRI4H&C Follow up meeting
06 October 2022





Introduction – the Initiative



The CETPartnership ...



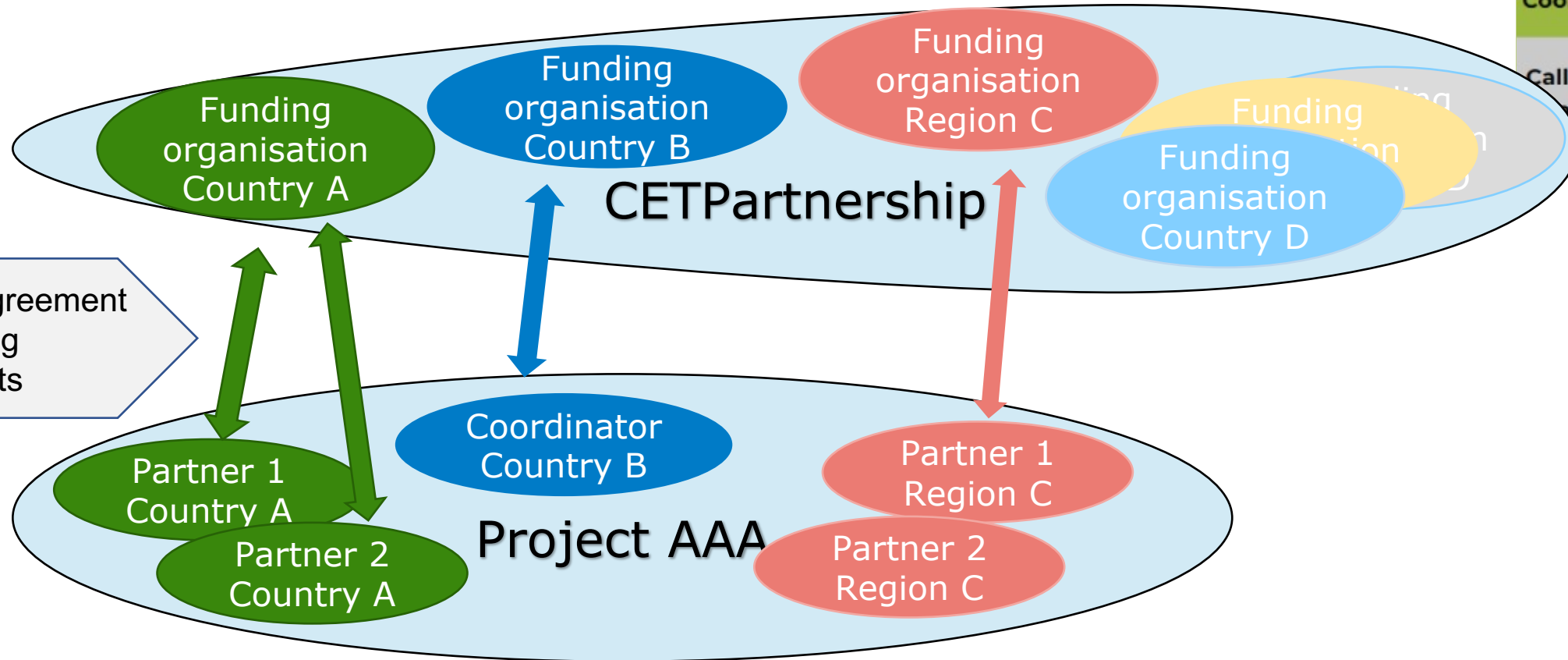
- enables more than **50 national and regional** RTDI programme owners and managers from more than **30 countries** to align their priorities
- **pools** national and regional **RTDI funding**
- initiates and **funds transnational RTDI projects** for a broad variety of technologies and system solutions required to make the transition
- **empowers the clean energy transition** and contributes to the EU's goal of becoming the first climate-neutral continent by 2050

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TRI 4: Efficient zero
emission Heating and
Cooling Solutions

Call Module: TRI4
Heating & Cooling



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.

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TRIs

The CETPartnership has established the following **7 TRIs** which address the seven CETPartnership RTDI Challenges as described in the Strategic Research and Innovation Agenda (SRIA). Each of the TRIs is led by one of the CETPartnership partners, known as the TRI Lead.



TRI 1: Integrated Net-zero-emissions Energy System



TRI 2: Enhanced zero emission Power Technologies



TRI 3: Enabling Climate Neutrality with Storage Technologies, Renewable Fuels and CCU/CCS



TRI 4: Efficient zero emission Heating and Cooling Solutions



TRI 5: Integrated Regional Energy Systems



TRI 6: Integrated Industrial Energy Systems



TRI 7: Integration in the Built Environment

Joint Call 2022



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Joint Call
2022
Submission
of proposals

General issues

- Two-step procedure – submission of a pre-proposal followed by an invitation to submit a full-proposal
- Submission through [CETPartnership Application System](#) online only
 - Choose one Call Module per proposal
 - Project Coordinator Invite Project Partners through the submission system
 - Insert information about participants, budget etc. directly in the system
 - Upload project description in English as pdf
- Additional documents and/or local proposal submission may be requested by some Funding Partners
- Deadline pre-proposal **23 November, 14.00 CET**



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Joint Call
2022
Project
proposals

Eligibility criteria

- At least three independent legal entities from three different countries participating in the CETPartnership Joint Call 2022, of which at least two must be EU Member States or Horizon Europe Associated Countries.
- The total effort of one partner cannot exceed 60% of the total project efforts.
- The total effort of partners from one country/region cannot exceed 75% of the total project efforts. *Efforts = person months*
- Project consortia must also fulfill the Call module specific requirements.
- Applicants must be eligible for funding according to their Funding Partner's national/regional requirements. Please consult the national/regional requirements (Annex B).



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Joint Call
2022
Call
Procedure

How to apply

- Submission through the online [CETPartnership Application System](#) only
- Choice of listed Call Modules, only one per proposal
- Partners are invited by the project Coordinator through the submission system
- PIC and NACE codes needed for all organisations
- Administrative info about participants, addresses, budget etc is inserted directly in the submission system form
- Project description must be written in English and uploaded as pdf
- Do No Significant Harm (DNSH) assessment
- Ethics self-assessment in full proposal only



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Joint Call
2022
Call
Procedure

Timeline for call procedure

14 September 2022

The call opens
• Call text is published

23 November 2022

Step 1 (Pre-proposal)
• Expert evaluation
• General eligibility check
• National/regional eligibility check

January 2023

Selected projects invited to submit a full-proposal

20 March 2023

Step 2 (Full proposal)
• Expert evaluation
• General eligibility check
• National/regional eligibility check

June 2023

Decision
Communication with national/regional Funding Partner

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Calls

Annex C – Funding Partners' participation per call module (this information is tentative, please see section 3.2. for confirmed contributions)

Organisation	Acronym	Country/ region	Funding	TRI1 PowerPlan ningTools	TRI1 RESDemo Powerflex	TRI2 Advancing RE technologies for power production through cost reduction	TRI2 Breakthrough R&D to increase RE power technologies efficiency	TRI3 CCU/CCS technologies	TRI3 Hydrogen and renewable fuels	TRI4 Heating & Cooling	TRI5 Integrated Regional Energy Systems	TRI6 Industrial energy systems	TRI7 R&I in clean energy integration in the built environment	TRI7 Solutions to energy transition in the built environment
Austrian Research Promotion Agency	FFG	Austria	5 900 000 €						2 000 000 €		1 800 000 €	2 100 000 €		
Fonds Innoveren en Ondernemen	FIO	Belgium/Flanders	1 000 000 €	x	x	x	x	x	x	x	x	x	x	x
Service public de Wallonie	SPW	Belgium/Wallonia	900 000 €	x	x	x	x	x	x	x	x	x	x	x
Emissions Reduction Alberta	ERA	Canada/Alberta	3 470 000 €					2 080 000 €	1 390 000 €					
Research and Innovation Foundation	RIF	Cyprus	3 000 000 €	x	x	x	x	x	x	x	x	x	x	x
Technology Agency of the Czech Republic	TA CR	Czech Republic	2 450 000 €	x	x			x	x		x		x	x
Energy Technology Development and Demonstration Programme	EUDP	Denmark	1 340 000 €		x			x	x		x	x		
Innovation Fund Denmark	IFD	Denmark	1 000 000 €			x	x			x			x	x
Ministry of Economic Affairs and Communications	MKM										x	x	x	x
Estonian Research Council	ETAG										x	x	x	x
Innovaatiohahiotuskeskus Business Finland	BF										x	x	x	x
Agence Nationale de la Recherche	ANR												x	
Agence de la transition écologique	ADEME											x		
Pays de la Loire Region Council	RPL													
Forschungszentrum Jülich GmbH (on behalf of BMWK)	FZJ/PTJ	Germany	18 000 000 €	x	x	x	x	x		x	x	x		x
Forschungszentrum Jülich GmbH (on behalf of MWIDE)	FZJ/PTJ	Germany/NRW	1 428 571 €	x	x	x	x	x	x			x		
Saxon State Ministry for Science, Culture and Tourism	SMWK	Germany/Saxony	3 000 000 €	x	x	x	x	x	x	x	x	x	x	x
General Secretariat for Research and Innovation	GSRI	Greece	500 000 €	x	x			x	x					
National Research, Development and Innovation Office	NKFIH	Hungary	1 160 000 €	x	x	x	x	x	x	x	x	x	x	x
The Icelandic Centre for Research	RANNIS	Iceland	1 000 000 €					x	x	x				
Geological Survey Ireland	GSI	Ireland	200 000 €							x				
Sustainable Energy Authority of Ireland	SEAI	Ireland	500 000 €	x	x	x	x	x	x	x	x	x	x	x
Ministry of National Infrastructure, and Water Resources											x	x	x	x

Available from

<https://cetpartnership.eu/calls/documents>

Please advice with your National Funding Agency before submitting the pre-proposal!

EUROPEAN PARTNERSHIP



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Calls

Organisation	Acronym	Country/ region	Funding	TRI1 PowerPlan ningTools	TRI1 RESDemo Powerflex	TRI2 Advancing RE technologies for power production through cost reduction	TRI2 Breakthrough R&D to increase RE power technologies efficiency	TRI3 CCU/CCS technologies	TRI3 Hydrogen and renewable fuels	TRI4 Heating & Cooling	TRI5 Integrated Regional Energy Systems	TRI6 Industrial energy systems	TRI7 R&I in clean energy integration in the built environment	TRI7 Solutions to energy transition in the built environment
Ministry of Economic Development	MISE	Italy	16 000 000 €		x	x		x		x	x	x		x
Ministero dell'Università e della Ricerca	MUR	Italy	4 200 000 €	x			x		x				x	
Latvian Council of Science	LZP	Latvia	400 000 €	x	x	x	x	x	x	x	x	x	x	x
Ministry of Energy of the Republic of Lithuania	ENMIN	Lithuania	1 400 000 €		1 000 000 €				400 000 €		(x)			
Malta Council for Science and Technology	MCST	Malta	500 000 €	x	x	x	x	x	x	x	x	x	x	x
Dutch Research Council	NWO	The Netherlands	2 000 000 €			x	x							
Netherlands Enterprise Agency	RVO	The Netherlands	8 000 000 €		x	x		x	x	x	x	x		x
The Research Council of Norway	RCN	Norway	12 000 000 €	x	x	x	x	6 000 000 €	3 000 000 €	x				
National Centre for Research and Development	NCBR	Poland	3 000 000 €	x	x	x	x				x	x		
Fundação para a Ciência e a Tecnologia	FCT	Portugal	500 000 €	x	x	x	x	x	x	x	x	x	x	x
Executive Agency for Higher Education, Research, Development and Innovation Funding	UEFISCDI										x			
Agencia Estatal de Investigación	AEI										x	x	x	x
The Centre for the Development of Industrial Technology	CDTI										x	x	x	x
Fundación para el fomento en Asturias de la Investigación Científica Aplicada y la Tecnología	FICYT										x	x	x	x
Departamento de Desarrollo Económico, Sostenibilidad y Medio Ambiente. Eusko Jaurlaritz-Gobierno Vasco	EUSKADI	Spain/Basque	1 000 000 €			x	x					x		
Ente Vasco de la Energía	EVE	Spain/Basque	1 000 000 €			x	x							
Regional Development Agency of Cantabria	SODERCAN	Spain/Cantabria	150 000 €	x	x	x	x	x	x	x	x	x	x	x
Swedish Energy Agency	SWEA	Sweden	7 000 000 €	x	x	x	x	x	x	x	x	x	x	x
Federal Department of the Environment, Transport, Energy and Communications	DETEC-SFOE	Switzerland	10 000 000 €		x	x		x		x		x		
Swiss National Science Foundation	SNSF	Switzerland	550 000 €								x		x	(x)
The Scientific and Technological Research Council of Türkiye	TUBITAK	Türkiye	2 000 000 €	x	x	x	x	x	x	x	x	x	x	x
Scottish Enterprise	SE	UK/Scotland	7 105 377 €									x	x	x
Department of Energy														
TOTAL														

Available from

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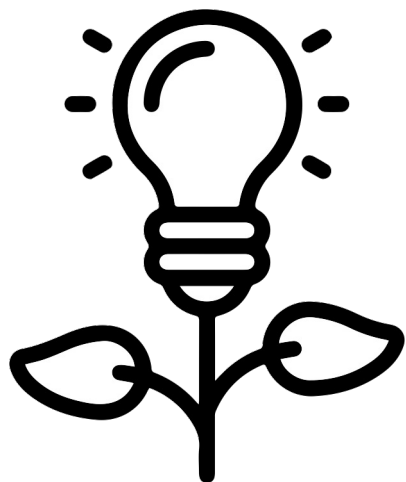
EUROPEAN PARTNERSHIP



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Where
to find?



- Home <https://cetpartnership.eu/>
- Call announcement page
<https://cetpartnership.eu/calls/joint-call-2022> *with access to:*
- Call Documents <https://cetpartnership.eu/calls/documents>
- Submission System <https://cetp-submission.mur.gov.it/>
- Matchmaking platform
<https://cetp-call-launch-2022.b2match.io/home>
- Events <https://cetpartnership.eu/events>



TRI 4: Efficient zero emission Heating and Cooling Solutions

The Transition Initiative Heating & Cooling (TRI4H&C) will contribute to Challenge 4 “Efficient zero-emission Heating and Cooling Solutions”, formulated in the SRIA of the CETP. The overarching goals of this initiative are the **provision of enhanced and improved heating and cooling technologies and systems** for all major parts of Europe by 2030 and to enable 100% climate-neutral heating and cooling by 2050.

TRI 4 Lead

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- **Climate-neutral resources** for heating and/or cooling, including subsurface (shallow and deep geothermal, solar thermal, and other sources of renewable heating and cooling) and utilisation of local and regional excess resources, for application in the built environment or for industrial or other processes or a combination.
- **A resource-efficient and sustainable distribution, storage and utilisation of heating and/or cooling.** This includes short time and seasonal thermal storage options, innovations for heating and cooling networks, and conversion technologies such as heat pumps to distribute the heating and cooling and adjust the temperature level where needed for application in the built environment and industrial and/or other processes.
- **Integration of heating and/or cooling in the local and regional energy systems,** including aspects of sector coupling, intelligent integration and control tools that shall leverage synergies and utilise flexibilities in locally and regionally available energy sources



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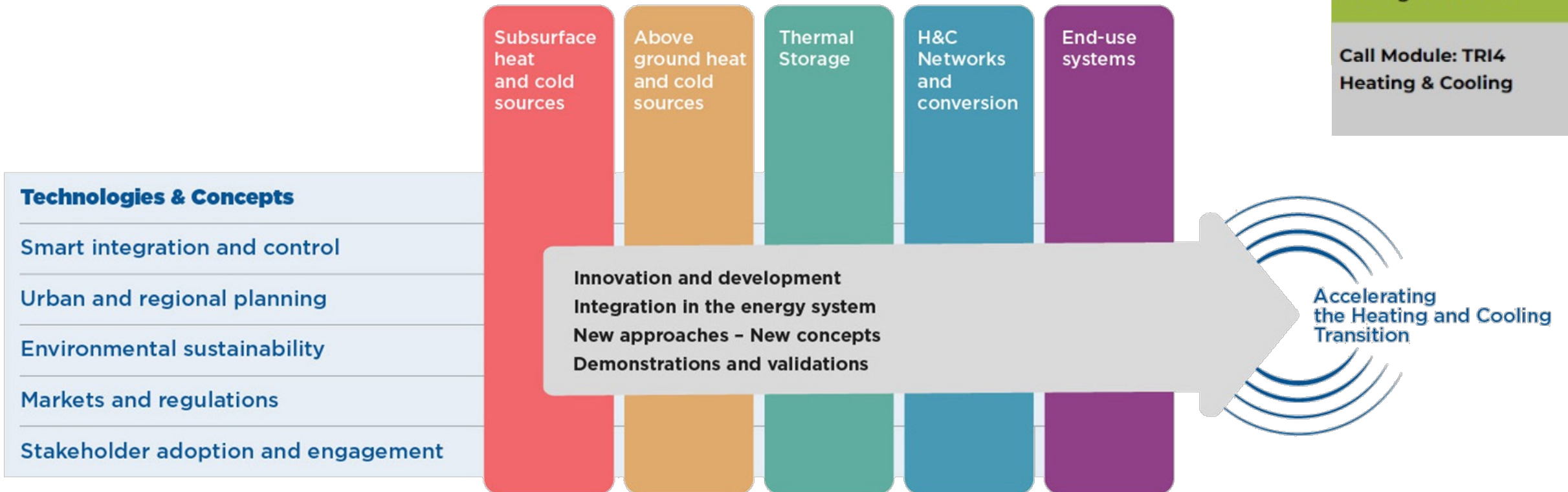


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TRI 4: Efficient zero emission Heating and Cooling Solutions

Call Module: TRI4 Heating & Cooling



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Objectives

Projects need to focus on innovations that provide significantly enhanced and improved heating and cooling technologies and systems for all major parts of Europe by 2030, enabling 100% climate-neutral heating and cooling by 2050.

Successful projects will

- enable cost reduction and/or
- increase competitive market opportunities and environmental protection and/or
- improved tools and methodologies and/or
- significantly impact societal acceptability, safety, and/or circularity

Bring TRL level to 4-9 at end of project – 'significant' progress for TRL4-6



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- The TRI4H&C Call module encourages **innovative entrepreneurs** in small, middle-sized, and large companies, **research organisations, and academia to propose**. In a small number of partner countries, local and regional governments are also eligible for funding.
- **Broad geographic spectrum encouraged.** Each project consortium must demonstrate the alignment with the respective Funding Partners' national interest and demonstrate the applicants' competence to undertake the project's specified themes.
- Projects are strongly encouraged to involve "**need-owner(s)**" and **relevant stakeholders** from the national/regional innovation ecosystem in all project phases to maximise market acceptance and uptake of the technologies and solutions that the projects develop



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Additional project requirements

- Expected budget request from projects **€1.5-4 million**
- Projects need to have a **project management work package**
- Projects need to establish their **own webpage** where they publish project updates and results
- Project proposals should **include industrial partners**, as far as possible and sensible



TRI 4: Efficient zero
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Call Module: TRI4
Heating & Cooling



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Important notes

- Consult the matrix 'Call module vs Funding organisations'
- Consult the 'National Annex' of the relevant funding organisation(s)
- You **need** to contact the contact point from the National Annex to discuss your project plan!
 - And your colleagues at your partner organisations need to do the same!
- You will find the Call modules, the 'National Annexes' and the matrix in the Call text, on the CETPartnership Website.
- **23 November 2022, final deadline for pre-proposal submission**



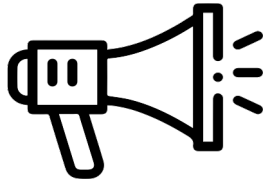
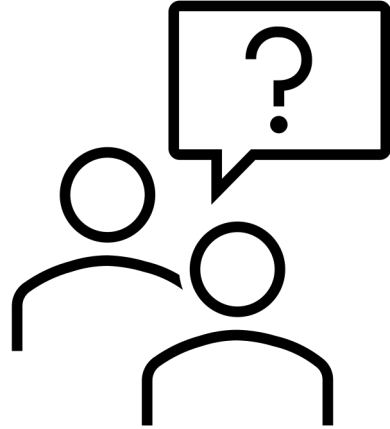
TRI 4: Efficient zero
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Q&A



More information and link to match making and Electronic Submission system at
<https://cetpartnership.eu>

More information on the TRI4 Heating and Cooling Call module: TRI4@CETPartnership.eu



Discussions and questions



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Thank You