

CETPARTNERSHIP JOINT CALL 2022

PRE-PROPOSAL TEMPLATE

(Minor changes may occur)

This template is an indicative model of the pre-proposal template, made available for guidance only.

Pre-proposals shall be submitted online via the CETPartnership Online Submission Tool (<https://cetp-submission.mur.gov.it/>).

The format of the pre-proposal template might be modified to fit the submission system.

PROJECT DATA

General details

Project short name/acronym*	<i>(max 20 characters including spaces)</i>
Project title*	<i>(max 150 characters including spaces)</i>
Project abstract*	<i>The abstract must include the a) general objectives of the project (strategic, commercial, etc.); b) scientific and/or technological aims of the project; c) relevance to the call. (max 1500 characters including spaces)</i>
Project relevance*	<i>Describe in short (max. 500 characters) why your project is important to the clean energy transition</i>

**Project acronym and title shall be considered as definitive*

Call module

Specify what call module you are applying for.

Call module 1.1: PowerPlanningTools
Call module 1.2: RESDemPowerflex
Call module 2.1: Advancing RE technologies for power production through cost reduction
Call module 2.2 Breakthrough R&D to increase RE power technologies efficiency
Call module 3.1: CCU/CCS technologies
Call module 3.2: Hydrogen and renewable fuels
Call module 4: Heating & Cooling
Call module 5: Integrated Regional Energy Systems
Call module 6: Industrial energy systems
Call module 7.1: R&I in clean energy integration in the built environment
Call module 7.2: Solutions to energy transition in the built environment

Project description

Please give a clear overview of the project, considering "Excellence", "Impact" and "Implementation", as listed below, highlighting the innovation of the project outcome(s), the originality of the proposed approach and the market needs (if applicable) addressed by the project.

Please upload the project description as **a single PDF document, max 10 pages** including title, pictures, tables and citations – Arial font, 11pts, single spaced, margins of 1.27 cm. Footnotes are allowed, if you respect the above-mentioned layout criteria. Links are not allowed; hyperlinks are allowed only if linked to bibliographic material.

Excellence

1. Background and state-of-the-art
2. Relevance to the call aim and scope
3. Project objectives and goals (related to defined technology and market development needs)

Impact

1. Expected outcome and impact
2. Transnational added value

Implementation

1. Work plan outline
2. Short description of partners involved and work distribution of partners

Technology Readiness Level (TRL)

Please indicate the proposal's aimed TRL

At project start

At finalisation of the project

Keywords

Free keywords

Please enter max. 5 keywords describing your project. Keywords help effective expert selection to evaluate your pre-proposal.

Predefined Keywords

Please enter max. 5 keywords among those available describing your project. Keywords help effective expert selection to evaluate your pre-proposal.

DNSH (Do No Significant Harm assessment)

The Do no Significant Harm principle was introduced in the European Green Deal to ensure that the research and innovation activities do not make directly or indirectly a significant harm to any of the six environmental objectives, according to the EU Taxonomy Regulation (EU) 2020/852. You can find more information on what is considered as doing significant harm to the above objectives in the following note: https://ec.europa.eu/info/sites/default/files/c2021_1054_en.pdf . It is mandatory to fill this table with YES/NO, and the justification if NO is selected.

Applicants shall self-assess the DNSH filling in the following table:

<i>Please indicate which of the following environmental objectives require further evaluation according to the DNSH principle</i>	YES	NO	<i>Justification if NO has been selected No, my project does not require further evaluation according to the DNSH principle because (...)</i>
Climate change mitigation			
Climate change adaptation			
The sustainable use and protection of water and marine resources			
The circular economy, including waste prevention and recycling			
Pollution prevention and control to air, water or land			
The protection and restoration of biodiversity and ecosystems			

Only if the answer is YES for an environmental objective, a substantive DNSH assessment is needed. In that case, please fill the corresponding row in the table below.

Questions	NO	Substantive justification
<i>Climate change mitigation: Is the measure expected to lead to significant GHG emissions? ¹</i>		
<i>Climate change adaptation: Is the measure expected to lead to an increased adverse impact of the current climate and the expected future climate, on the measure itself or on people, nature or assets?</i>		
<i>The sustainable use and protection of water and marine resources: Is the measure expected to be detrimental:</i> (i) to the good status or the good ecological potential of bodies of		

¹ Please notice that the mitigation measures in the call announcement do not only refer to GHG emission but it has a broader meaning. In this cell please specify the mitigation measure related to GHG emission, if any.

(ii) water, including surface water and groundwater; or to the good environmental status of marine waters?		
<i>The transition to a circular economy, including waste prevention and recycling:</i> Is the measure expected to: (i) lead to a significant increase in the generation, incineration or disposal of waste, with the exception of the incineration of non-recyclable hazardous waste; or (ii) lead to significant inefficiencies in the direct or indirect use of any natural resource (1) at any stage of its life cycle which are not minimised by adequate measures (2); or (iii) cause significant and long-term harm to the environment in respect to the circular economy (3)?		
<i>Pollution prevention and control:</i> Is the measure expected to lead to a significant increase in the emissions of pollutants (4) into air, water or land?		
<i>The protection and restoration of biodiversity and ecosystems:</i> Is the measure expected to be: (i) significantly detrimental to the good condition (5) and resilience of ecosystems; or (ii) detrimental to the conservation status of habitats and species, including those of Union interest?		

(1) Natural resources comprise energy, materials, metals, water, biomass, air and land.

(2) For instance, inefficiencies can be minimised by significantly increasing the durability, reparability, upgradability and reusability of products or by significantly reducing resources through the design and choice of materials, facilitating repurposing, disassembly and deconstruction, in particular to reduce the use of building materials and promote the reuse of building materials. Additionally, transitioning to 'product-as-a-service business models and circular value chains with the aim of keeping products, components and materials at their highest utility and value for as long as possible. This also comprises a significant reduction in the content of hazardous substance in materials and products, including by replacing them with safer alternatives. This further includes significantly reducing food waste in the production, processing, manufacturing or distribution of food.

(3) Please refer to Recital 27 of the Taxonomy Regulation for more information on the circular economy objective.

- (4) Pollutant means a substance, vibration, heat, noise, light or other contaminant present in air, water or land which may be harmful to human health or the environment.
- (5) In line with Article 2(16) of the Taxonomy Regulation, "good condition" means, in relation to an ecosystem, that the ecosystem is in good physical, chemical and biological condition or of a good physical, chemical and biological quality with self-reproduction or self-restoration capability, in which species composition, ecosystem structure and ecological functions are not impaired".

ADDITIONAL INFORMATION (End-user/need-owner participation)

Please list the partners of your proposal which can be considered as an end user or need owner.

Do not fill this section if it doesn't apply (see Call Module specific requirements).

In Partner Name you can choose among the partners of the project after they have filled the "Organisation Name" field.

Partner name
Type of end-user/need-owner (dropdown menu: Industrial partner, City/municipality, Other)
Partner role (short description)

*Please note that several Call modules require the involvement of specific end-users/need-owners in the project consortia. Carefully read through the Call module to make sure to fulfil all project requirements.

PROJECT CONSORTIA - COORDINATOR/PARTNER DATA

Please provide brief information about the Coordinator and Partners involved, as well as the requested budget per Partner.

There are 2 categories of Partners:

1. Partner from countries/regions (and organisations) eligible for direct funding by the Funding Organisations participating in the CETP Joint Call 2022 (designated Partners 1, 2... N).
2. Fully self-financed Partner from any country who bring their own secured budget. The self-financed partner cannot be the project Coordinator.

Principal investigator

Family name		First name	
Title		Gender	
Phone		E-mail	
Type of identifier (optional) Choose between: Google Scholars ORCID Id Researcher ID SCOPUS Author ID Other	Identifier n.	Nationality	

Career Stage ² (optional)	<i>To be chosen among:</i> Category A: Top grade researcher Category B: Senior researcher Category C: Recognised researcher Category D: First stage researcher
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Organisation details

Coordinator (Partner 1) or Partner 2, Partner 3 ... Partner N					
<i>Please insert as many copies of this table as necessary for other Partners.</i>					
Legal full name of the research organisation/ company			Short name (acronym) of the research organisation/company		
Web site					
Participant Identification Code (PIC) of the organisation ³			Status: Private or Public?	Choose between: Private Public	
Participant Organisation Type	Choose between: HES, REC, PRC, PUB, OTH ⁴	Small or Medium-sized Enterprise (SME status):	Choose between: YES, NO	Statistical Classification of Economic Activities (NACE) ⁵ :	

² Choose one of the following 4 options:

- Category A: the single highest grade/post at which research is normally conducted. (Example: “director of research”)
- Category B: Researchers working in positions not as senior as top position (A) but more senior than newly qualified doctoral graduates (Example: “senior researcher”).
- Category C: the first grade/post into which a newly qualified doctoral graduate would normally be recruited. (Examples: “researcher”, “investigator” or “post-doctoral fellow”).
- Category D: Either doctoral students at the IsCED level 8 who are engaged as researchers, or researchers working in posts that do not normally require a doctorate degree. (Examples: “Ph.D. students” or “junior researchers” without a Ph.D).

These categories are defined in Frascati manual from OECD <https://www.oecd.org/sti/inno/frascati-manual.htm> (page 249)

³ 9-digit number serving as a unique identifier for organisations (legal entities) participating in EU funding programmes / procurements. If needed, one can apply for a temporary PIC on: <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/how-to-participate/participant-register>. A search tool for organisations and their PICs is available on <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/how-to-participate/participant-register-search>. We suggest validating the PICs via the public available Partner Search – Organisation Profile service. This allows use to fill out some requested data inputs automatically, which is less error-prone and provides much better user experience. <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/support/apis>

⁴ Secondary and higher education establishments (HES); Research organisations (excluding education) (REC); Private for-profit companies (PRC); Public bodies (excluding research and education) (PUB); Other entities (OTH)

⁵ The NACE code is a Statistical Classification of Economic Activities of the organisation. You can find further information about NACE at Eurostat website <https://ec.europa.eu/eurostat/web/nace-rev2> and the

Registered office address of the research organisation/ company					
Street name and number					
PO Box		Postal Code		Cedex	
Town			Town		
Division / Department / Unit or Laboratory					
Street name and number					
PO Box		Postal code		Cedex	
Town			Country		
Employment status information			Choose between:		
			On permanent position		
			On fixed-term position		
			If on fixed term position:		
			- Duration of contract:		
			- Employer Name:		

Self-financed Partner data

Partner A			
Legal full name of the research organisation / Company		Short name (acronym) of the research organisation/Company	
Web site			
Participant Identification Code (PIC) of the organisation ⁶		Status: Private or Public?	Choose between: Private Public

classification can be downloaded at https://ec.europa.eu/eurostat/ramon/nomenclatures/index.cfm?TargetUrl=LST_CLS_DLD&StrNom=NACE_RE_V2&StrLanguageCode=EN&IntCurrentPage=1&StrLayoutCode=LINEAR#

⁶ 9-digit number serving as a unique identifier for organisations (legal entities) participating in EU funding programmes / procurements. If needed, one can apply for a temporary PIC on: <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/how-to-participate/participant-register>. A search tool for organisations and their PICs is available on <https://ec.europa.eu/info/funding->

Participant Organisation Type	Choose between: HES, REC, PRC, PUB, OTH ⁷	Small or Medium-sized Enterprise (SME status):	Choose between: YES, NO	Statistical Classification of Economic Activities (NACE) ⁸ :	
Division / Department / Unit or Laboratory					
Street name and number					
PO Box		Postal code		Cedex	
Town			Country		
Employment status information			Choose between: On permanent position On fixed-term position		
			If on fixed term position:		
			- Duration of contract:		
			- Funding body:		

Team members

<i>Other team members involved in the project*</i>	
Team member 1: Family name, First name, gender, title, phone, email, ORCID id.	
Team member 2: Family name, First name, gender, title, phone, email, ORCID id.	
.....	
Team member N: Family name, First name, gender, title, phone, email, ORCID id.	
<p><i>* Please include all the team members to be involved in the project, would they be funded or not by your Funding Organisation.</i></p> <p><i>If you do not have yet this information for one team member (e.g. for a postdoc), you can indicate "to be determined"</i></p>	

[tenders/opportunities/portal/screen/how-to-participate/participant-register-search](https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/how-to-participate/participant-register-search). We suggest validating the PICs via the public available Partner Search – Organisation Profile service. This allows use to fill out some requested data inputs automatically, which is less error-prone and provides much better user experience.

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/support/apis>

⁷ Secondary and higher education establishments (HES); Research organisations (excluding education) (REC); Private for-profit companies (PRC); Public bodies (excluding research and education) (PUB); Other entities (OTH)

⁸ The NACE code is a Statistical Classification of Economic Activities of the organisation. You can find further information about NACE at Eurostat website <https://ec.europa.eu/eurostat/web/nace-rev2> and the classification can be downloaded at https://ec.europa.eu/eurostat/ramon/nomenclatures/index.cfm?TargetUrl=LST_CLS_DLD&StrNom=NACE_REV2&StrLanguageCode=EN&IntCurrentPage=1&StrLayoutCode=LINEAR#

FUNDING (Project budget)

Indicate in the table the total costs of the project and their indicative breakdown between the different categories of costs (e.g personnel, including permanent salaries depending on Funding Organisations rules for the determination of the eligible costs; equipment, consumables, subcontracts, travels, overheads) and the funding requested from your Funding Organisation basing on national rules.

Please make sure to comply with your Funding Organisation's rules for the determination of the eligible costs and the requested funding calculation.

Please note that some Funding Organisations cannot provide funding equal to 100% of eligible costs. For inquiries, contact your Funding organization's Contact Point.

The column **Total costs** comprises all the costs related to the project independently of national funding rules. You must indicate here all the costs of the project.

The column **Funding request** comprises the part of the costs that you will request from your Funding Organisation.

The column **Own funding** is filled in automatically after saving the form. It includes all the costs that are not covered by the Funding Organisation (either because the funding level is lower than 100% and/or some costs are not eligible for funding and/or are provided in-kind). The Own funding is equal to the difference between the Total costs and the Funding requested.

The line **Total** will be filled in automatically after saving the form.

Please, include one table for each partner.

Partner 1 (2, 3, ... N)			
Short name (acronym)		Country	
Funding organisation(s) to which you are applying for funding ⁹		To be selected on the list of Funding organisations	

Items	Total cost (in Euro, including VAT depending on national rules)	Funding requested (in Euro, including VAT depending on national rules) ¹⁰	Own funding (equal to the difference between total cost and funding requested)
Personnel			Calculated by Online Submission Tool
Equipment			Calculated by Online Submission Tool
Consumables			Calculated by Online Submission Tool

⁹ Please indicate to which Funding Organisation the partner is requesting funds

¹⁰ Please make sure whether VAT has to be included according to national/regional legal framework and Funding Organisations' rules. If not, please do not include VAT.

Subcontracting¹¹			<i>Calculated by Online Submission Tool</i>
Travel			<i>Calculated by Online Submission Tool</i>
Overhead			<i>Calculated by Online Submission Tool</i>
Total	<i>Calculated by Online Submission Tool</i>	<i>Calculated by Online Submission Tool</i>	<i>Calculated by Online Submission Tool</i>

! Input 0 (zero) if the item doesn't apply !

Total person months for this partner	
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WORKLOAD DISTRIBUTION

! Table generated by the system !

Partner 1	Person Months	Workload percentage
Partner 2		
Partner 3		
....		
	Total	100%

Costs justification

Please enter a brief description of major costs items and short justification (personnel, equipment, consumables, subcontracts, travel expenses, other costs).

For overhead costs, national regulations may apply.

(max 1000 characters including spaces)

For the self-financed Partner, please indicate shortly how its participation to the project will be funded.

Please note that a Letter of Commitment will be required as a mandatory document in the full proposal application.

Self-financed Partner A	
Name	
Country	
The Partner will be funded through	
...	

¹¹ Indicate here the total budget and requested budget for your subcontracted Partners and/or any other subcontracting costs.