

**CLEAN ENERGY
TRANSITION****MISSION AND VISION STATEMENT**

The Clean Energy Transition (CET) partnership is a transformative research, development and innovation funding programme that fosters the acceleration of the clean energy transition in all its dimensions. It supports Europe in becoming the first climate-neutral continent and making the EU the front runner in clean energy innovation and implementation. The CET partners, from 32 Member States and Associated Countries, endorsed this common vision that will translate into three main goals: 1) joint programming and funding; 2) renewable energy technology development, demonstration and integration (for fuels, carbon capture and storage, power, heating, and cooling) and system change (e.g. energy infrastructures); 3) innovation ecosystem fostering capacity building, faster market diffusion, upscaling, replication and enabling of the clean energy transition.

KEY FACTS AND FIGURES

Horizon Europe Pillar and Cluster: Pillar II – Climate, energy and mobility

Type of partnership: Co-funded

Coordinating entity: Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology

Total estimated budget: EUR 791.2 m

EU commitments: EUR 210 m

Partners' commitments: EUR 581.2 m

Predecessors: Solar-ERA.NET, DemoWind, GEOTHERMICA, OCEANERA-NET, Smart Cities and Communities, the Joint Programming Platform Smart Energy Systems (including the calls Smart Grids Plus, Integrated Regional Energy Systems, Enerdigit, and the JPP SES & GEOTHERMICA Joint Call 2021), BESTF3, ACT, CSP

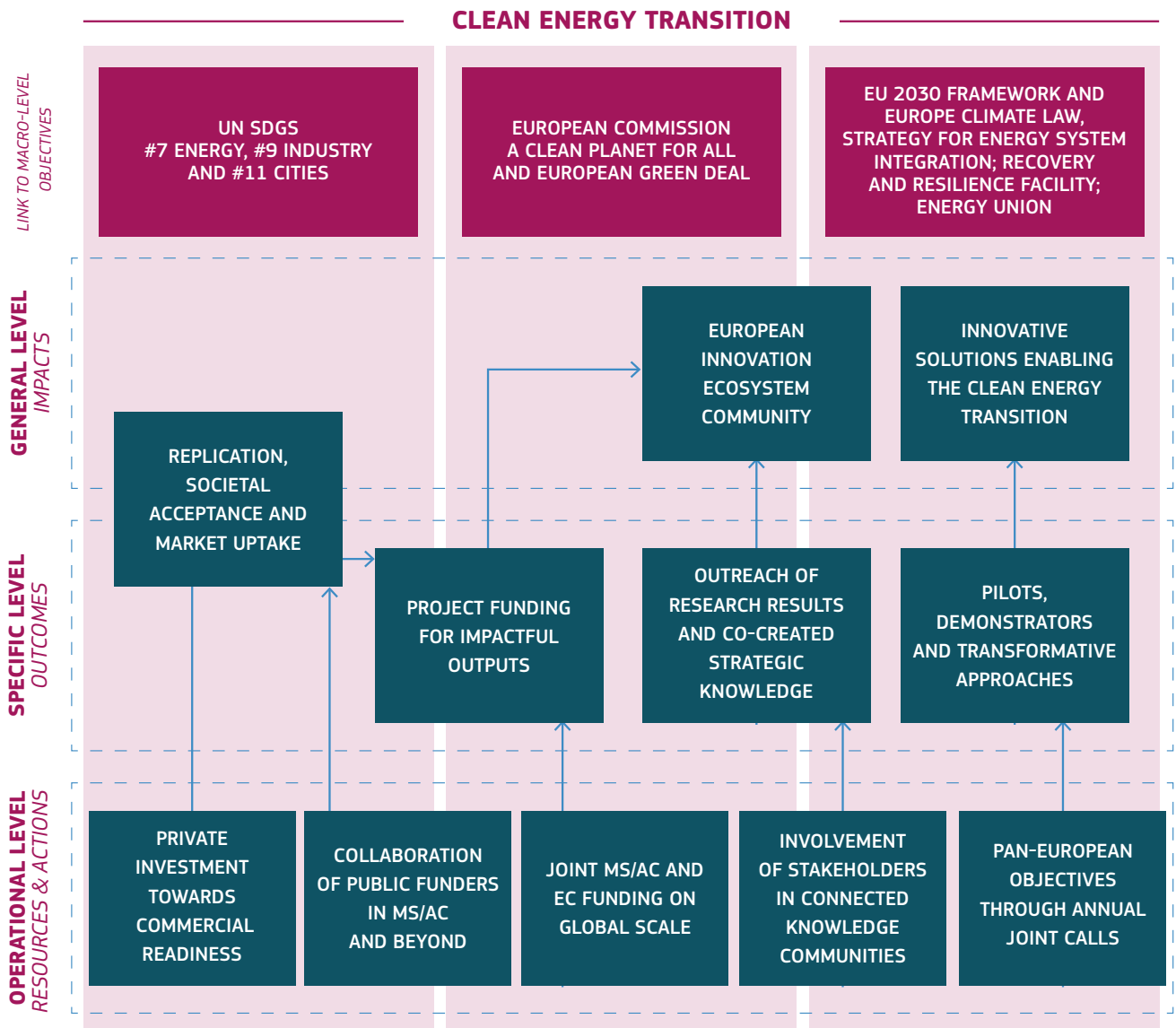
The partnership comprises of 70 national and regional RD&I programme owners and managers from 32 countries (26 EU Member States, 5 Associated Countries and one associated partner). The partnership's research priorities are collected in the [Strategic Research and Innovation Agenda \(SRIA\)](#) published in November 2020.

FIND OUT MORE

Not available



PARTNERSHIP SPECIFIC IMPACT PATHWAY (PSIP)





PARTNERSHIP'S KEY PERFORMANCE INDICATORS

KPI NAME	UNIT OF MEASUREMENT	BASELINE	TARGET 2023	TARGET 2025	TARGET 2027	AMBITION >2027
RESOURCES (INPUT), PROCESSES AND ACTIVITIES						
Joint MS/AC and EC funding on global scale	Annual financial (€/year) contribution to joint call (allocated and contracted)	Proposal budget for third party fund for 2 years/joint calls	€100 m /year	Keep level	Keep level	
Involvement of stakeholders in connected knowledge communities	# and type of stakeholders and geographical distribution	TBD	100 new R&I teams in knowledge community/year 33 % of KC members from hands-on practitioners	Keep level	Keep level	
Private investment towards commercial readiness	Private investments mobilised in projects in €/year		Target: 30-100 m €/year			
Collaboration of public funders in MS/AC and beyond	# of CETP partners and countries	Baseline: 70 partners in 32 countries	Keep level	Keep level	Keep level	
Pan-European objectives in annual joint calls	Percentage of joint thematic priorities addressed through annual call topics	TBD	Annual call cover at least 70% (5 challenges) of the challenges in the SRIA	Keep level	Keep level	
OUTCOMES						
Pilots, demonstrators and transformative approaches	# of projects	TBD	# of projects cover at least 2 layers of the 3-layer-research model			
Project funding for impactful outputs	# of projects contributing to at least 1 CETP SRIA challenge	TBD	Each project on average contributes to min. 1 CETP SRIA challenge.			
Outreach of research results and co-created strategic knowledge	# of communication interactions	TBD	5% increase in communication Interactions/year	5% increase	5% increase	
Replication, societal acceptance and market uptake	# and type of impact partners and geographical distribution	TBD	20 Impact Partners in 2024 from 70% of the CETP countries, 2 Impact Partners in each country – 64 Impact Partners in 2027			
IMPACTS						
European innovation ecosystem community	# and type of joint activities with other European Partnerships and R&I Initiatives	TBD	Concrete joint actions each year with 2 other partnerships and R&I initiatives	Keep level	Keep level	
Innovative solutions enabling the clean energy transition	# of demonstrated solutions	TBD	40 projects per call (assumption €120 m contracted in projects with €3 m average budget per project)	Keep level	Keep level	

Resources: KPI – provide joint MS/AC and EC funding on global scale: based on the initial budget for the first two calls 2022 and 2023 – KPI – enhanced collaboration of public funders in MS/AC and beyond: baseline based on initial commitments of partners – Other KPI targets based on estimations from experiences of former ERA-Nets

Outcomes: KPI – developed and demonstrated solutions: uses model according to the Joint Programming Platform Smart Energy Systems – KPI – project funding for impactful outputs: target based on CETP SRIA challenges – KPI – increased outreach of research results and co-created strategic knowledge: baseline needs to be calculated based on the traffic on former ERA-Net websites – Other KPIs based on estimations from experiences of former ERA-Nets

Impacts: KPI – innovative solutions enabling the clean energy transition: based on experiences of former ERA-Nets



SYNERGIES WITH OTHER EUROPEAN AND NATIONAL INITIATIVES

COOPERATION WITH OTHER PARTNERSHIPS

CET has identified interfaces with 11 European partnerships in various clusters and already initiated interactions with some of them. The cooperation will be established and pursued on two levels: (1) strategy development, aiming at identifying gaps in specific R&I areas of common interest, as well as avoiding overlaps and exploiting synergies; (2) implementation through identification of joint activities in the context of the annual work programmes, such as coordinated calls between partnerships, knowledge exchange, regular meetings, and joint outreach activities.

The European Partnerships identified as relevant for CET are:

cluster 5 – climate, energy and mobility: Clean Hydrogen, Built4People, European Industrial Battery Value Chain, Driving Urban Transitions to a Sustainable Future;

cluster 4 – digital, industry and space: Smart Networks and Services, Clean Steel - Low Carbon Steelmaking, Process4Planet;

cluster 6 – food, bioeconomy, natural resources, agriculture and environment: Circular Bio-Based Europe; EIT Climate-KIC, EIT InnoEnergy (see figure below).

The CSA on support to the activities of the European Geological Services is also relevant for the same kind of cooperation.

Indicator #8

SYNERGIES WITH NON-EU R&I PARTNERSHIPS AT THE GLOBAL LEVEL – GLOBAL LEADERSHIP

International cooperation in RD&I is essential for tackling global challenges, such as climate change. Collaboration within RD&I projects can anchor European technology and solution providers in global value chains. CET's international activities and outreach will continue existing relationships previously established within ERA-Nets, which engaged with Mission Innovation (MI), a global initiative catalysing a decade of action and investment in research, development and demonstration to make clean energy affordable, attractive and accessible for all. CET partners will establish the Joint Call Facility of MI and actively invite MI partners from outside Europe to participate in CET's joint calls. Two MICalls have already been implemented as a pilot by the Joint Programming Platform Smart Energy Systems with non-EU partners from India, Israel, Morocco, Turkey and the United Kingdom. CET also foresees an effective cooperation with the relevant International Energy Agency (IEA) Technology Collaboration Programmes (TCPs) to boost joint activities and connect their knowledge community with the wider IEA international network and groups of experts from regions outside Europe. Link to common indicators #10, #13



CLUSTER DIGITAL, INDUSTRY AND SPACE

Smart Networks and Services
Clean Steel
Process4Planet
Geological Service for Europe

EIT

EIT Climate-KIC and
EIT InnoEnergy

Clean Energy
Transition
Partnership

CLUSTER CLIMATE, ENERGY AND MOBILITY

Clean Hydrogen
Built4People
Industrial Battery Value Chain
Driving Urban Transition

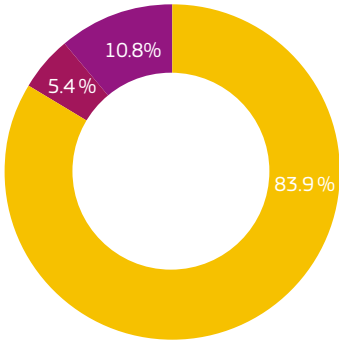
Circular Bio-Based Europe

**CLUSTER FOOD, BIOECONOMY, NATURAL RESOURCES,
AGRICULTURE AND ENVIRONMENT**



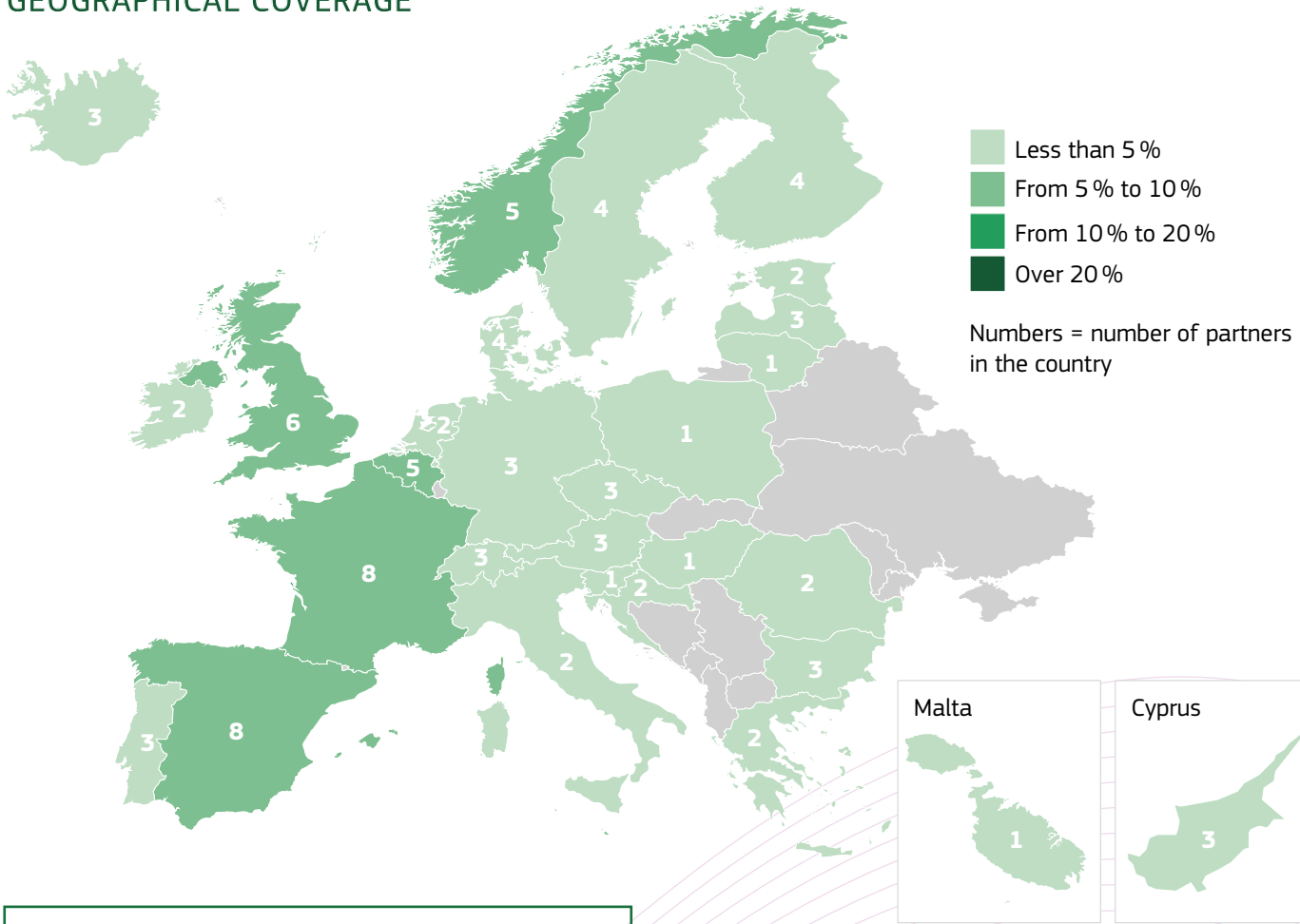
OVERVIEW OF MEMBERS

MEMBERS PER TYPE



- RESEARCH** Public research organisation (including international research organisation as well as private research organisation controlled by a public authority)
- PUBLIC** Research funders, ministries, regions, cities
- OTHERS** Non-profit, associations, state companies etc.

GEOGRAPHICAL COVERAGE



Total number of partners: 93
 96.8 % of the partners are represented in the map
 Other partners that do not fit to the map are from Israel, Turkey, and the United States.