HORIZON EUROPE

Partnerships in the Fields of Energy and Mobility

01.12.2020
Policy Context

FLAGSHIP AREAS FOR INVESTMENTS AND REFORMS

- POWER UP
  - CLEAN TECHNOLOGIES AND RENEWABLES
- RENOVATE
  - ENERGY EFFICIENCY OF BUILDINGS
- RECHARGE AND REFUEL
  - SUSTAINABLE TRANSPORT AND CHARGING STATIONS
- CONNECT
  - ROLL-OUT OF RAPID BROADBAND SERVICES

- MODERNISE
  - DIGITALISATION OF PUBLIC ADMINISTRATION
- SCALE-UP
  - DATA, CLOUD, COMPETENCES AND SUSTAINABLE PROCESSESSORS
- RE-SKILL AND UP-SKILL
  - EDUCATION AND TRAINING TO SUPPORT DIGITAL SKILLS

The European Green Deal

A new European Research Area
Based on excellence
Competitive, talent-driven and open
European Partnerships in the Climate, Energy and Mobility Cluster
CLEAN ENERGY TRANSITION PARTNERSHIP (CETP)

Küttel Orsolya, SC3 NCP (Biztonságos, tiszta és hatékony energia)
NKFI Hivatal

2020. december 1.
Clean Energy Transition Partnership (CETP)

Co-funded Partnership in Horizon Europe on Clean Energy Transition

Multilateral and strategic partnership of national and regional RDI programmes in European Member States and Associated Countries

29 countries + European Commission (16 November 2020)

Indicated Budget of ~ 500 million € (16 November 2020)
CETP in the European Ecosystem

Optimised integrated european net-zero emissions energy system

Enhanced zero emission power technologies
Enabling climate neutrality with storage technologies, renewable fuels and CCU/CCS
Effizient zero emission heating and cooling Solutions

Integrated regional energy systems
Integrated industrial energy systems
Integration in the built environment

Crosscutting dimensions

Enabling technologies
System integration

Climate KIC  KIC InnoEnergy  Innovative SMEs

Source: CETP SRIA v 1.0 Endorsed by European Countries and the European Commission
From enabling technologies towards an integrated energy system

- CETP Challenge 1: "Optimised integrated European net-zero emissions Energy System"
- CETP Challenge 2: "Enhanced zero emission Power Technologies"
- CETP Challenge 3: "Enabling Climate Neutrality with Storage Technologies, Renewable Fuels and CCU/CCS"
- CETP Challenge 4: "Efficient zero emission Heating and Cooling Solutions"
- CETP Challenge 5: "Integrated Regional Energy Systems"
- CETP Challenge 6: "Integrated Industrial Energy Systems"
- CETP Challenge 7: "Integration in the built Environment"
- CETP Challenge 8: "Cross-cutting Dimensions"

Source: CETP SRIA v 1.0 Endorsed by European Countries and the European Commission
Timeline

CETP Proposal 1.0

Draft thematic priorities
Nov 2019 – Feb 2020

Kick-off SRIA meeting
May 2020

SET Plan Stakeholder Dialogues
May-July 2020

Public Consultation
Jun – Sept 2020

CETP SRIA Presentation at SET Plan Conference 2020

Nov 2020

Consultation meetings with CETP MS/AC and other partnerships
Sept – Oct 2020

Launch CETP SRIA 2021

Endorsed CETP SRIA by Countries and EC

Input Papers to the CETP SRIA and results of Public Consultation

Draft CETP SRIA
EUROPEAN PARTNERSHIP TOWARDS ZERO EMISSION ROAD TRANSPORT (2ZERO)

Vántora Virág
NKFI Hivatal

Smart, green and integrated transport NCP

2020. december 1.
European Partnership Towards Zero Emission Road Transport

The evaluation of the partnership

Source: Draft Proposal for a European Partnership under Horizon Europe
European Partnership Towards Zero Emission Road Transport

- The 2Zero activities

Source: Draft Proposal for a European Partnership under Horizon Europe
European Partnership Towards Zero Emission Road Transport

2Zero partnership funded activities and their interactions

Source: Draft Proposal for a European Partnership under Horizon Europe
European Partnership Towards Zero Emission Road Transport

• Lead entity: EGVIA, info@egvi.eu

• Commission services: DG R&I, Guido Sacchetto, Guido.SACCHETTO@ec.europa.eu

EUROPEAN PARTNERSHIP CONNECTED, COOPERATIVE AND AUTOMATED MOBILITY (CCAM)

Vántora Virág
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Smart, green and integrated transport NCP

Autonomous cars

- smooth traffic flow – no congestions
- reduced noise and air pollution
- accessible mobility to people who cannot drive and who no longer want to drive
- flexible, customizable
- safer, more comfortable travel experience
- shortage of truck drivers – the problem will be solved
- broadening access to destinations in critical areas or under exceptional circumstances such as pandemics
Connected, Cooperative and Automated Mobility CCAM

Sectors and types of stakeholders contributing to the Partnership

Source: Draft proposal for a European Partnership under Horizon Europe Connected, Cooperative and Automated Mobility
Connected, Cooperative and Automated Mobility CCAM

- new dedicated legal body – international non profit association

- annual membership fee: 500-5000 EUR

- being member of the association will be encouraged but is not a condition to participate to projects funded by the Partnership
Connected, Cooperative and Automated Mobility CCAM

- Lead entity: ERTRAC, info@ertrac.org
- Commission services: EU-CCAM-PARTNERSHIP@ec.europa.eu
EUROPEAN PARTNERSHIP
CLEAN AVIATION (EPCA)

Vántora Virág
Smart, green and integrated transport NCP
NKFI Hivatal

2020. december 1.
European Partnership on Clean Aviation (EPCA)
European Partnership on Clean Aviation

Source: An Ambitious Vision for Clean Aviation
European Partnership on Clean Aviation

Assessment criteria to become a Member of the future Clean Aviation Joint Undertaking

• implement multi-annual and multi-stakeholder projects
• be part of an integrated Work Programme and Technological Roadmap for the future EPCA
• financial and in-kind contributions
• commit to the long-term strategic vision and objectives of the EPCA
• necessary technical competences/capabilities to contribute to the implementation of the SRIA priority areas and its expected impact

Categories of membership:
• 1. Founding member
• 2. Associated member
European Partnership on Clean Aviation

- Lead entity: info@clean-aviation.eu
- Commission services: DG R&I, D3, RTD-CLEAN-AVIATION@ec.europa.eu
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