
HORIZON EUROPE

Partnerships in the Fields of Energy and Mobility

01.12.2020



Policy Context



FLAGSHIP AREAS FOR INVESTMENTS AND REFORMS

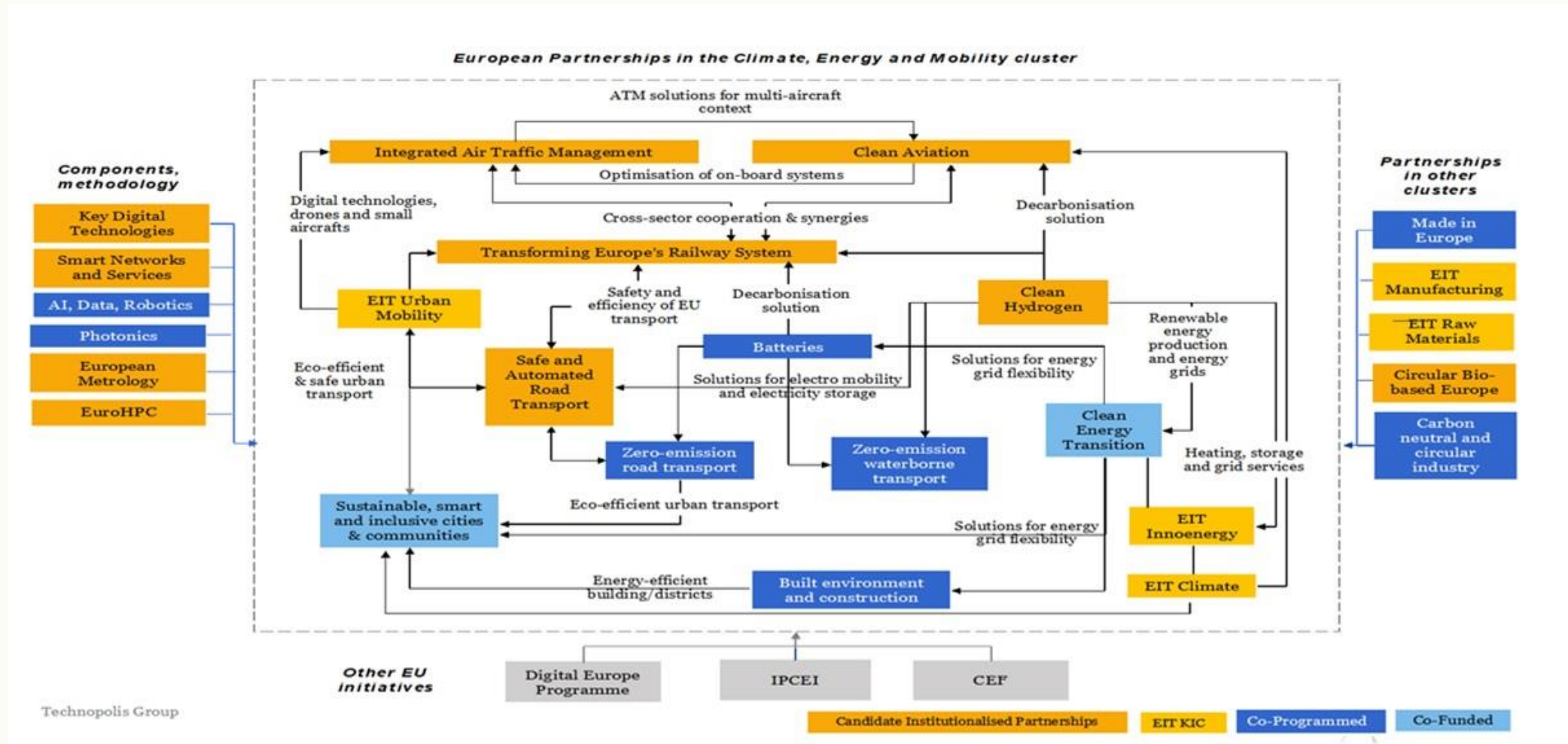
- POWER UP**
CLEAN TECHNOLOGIES AND RENEWABLES
- RENOVATE**
ENERGY EFFICIENCY OF BUILDINGS
- RECHARGE AND REFUEL**
SUSTAINABLE TRANSPORT AND CHARGING STATIONS
- CONNECT**
ROLL-OUT OF RAPID BROADBAND SERVICES
- MODERNISE**
DIGITALISATION OF PUBLIC ADMINISTRATION
- SCALE-UP**
DATA CLOUD CAPACITIES AND SUSTAINABLE PROCESSORS
- RESKILL AND UPSKILL**
EDUCATION AND TRAINING TO SUPPORT DIGITAL SKILLS



7 AFFORDABLE AND CLEAN ENERGY 	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
11 SUSTAINABLE CITIES AND COMMUNITIES 	13 CLIMATE ACTION



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

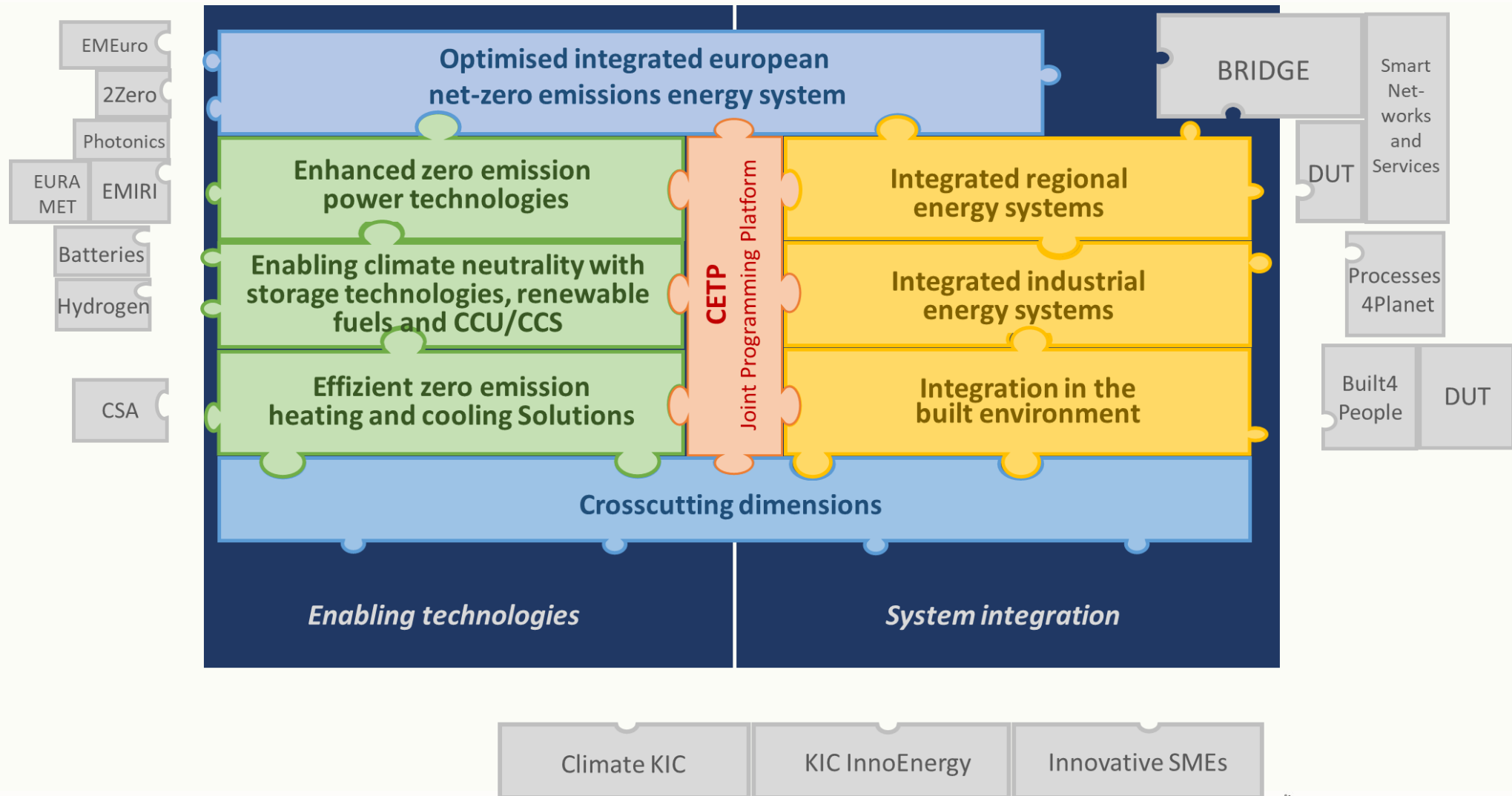
2020. december 1.



Clean Energy Transition Partnership (CETP)

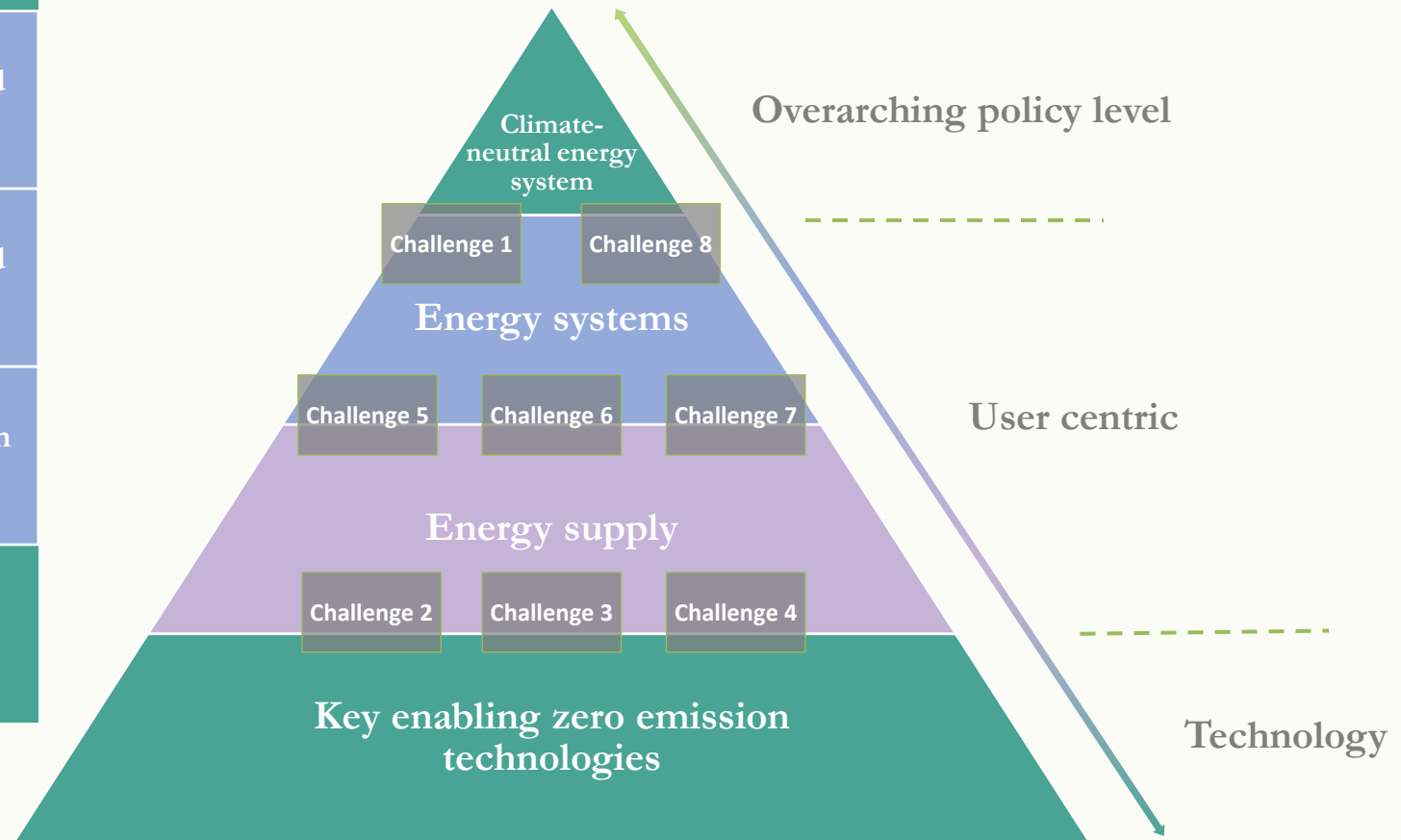


CETP in the European Ecosystem

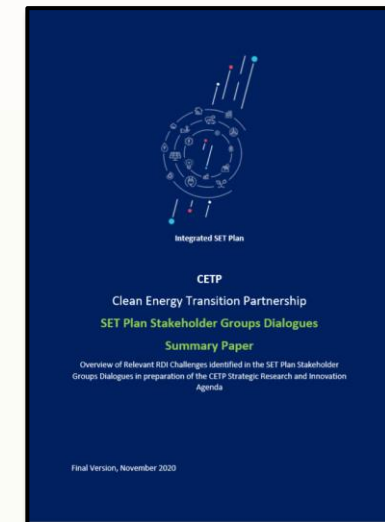
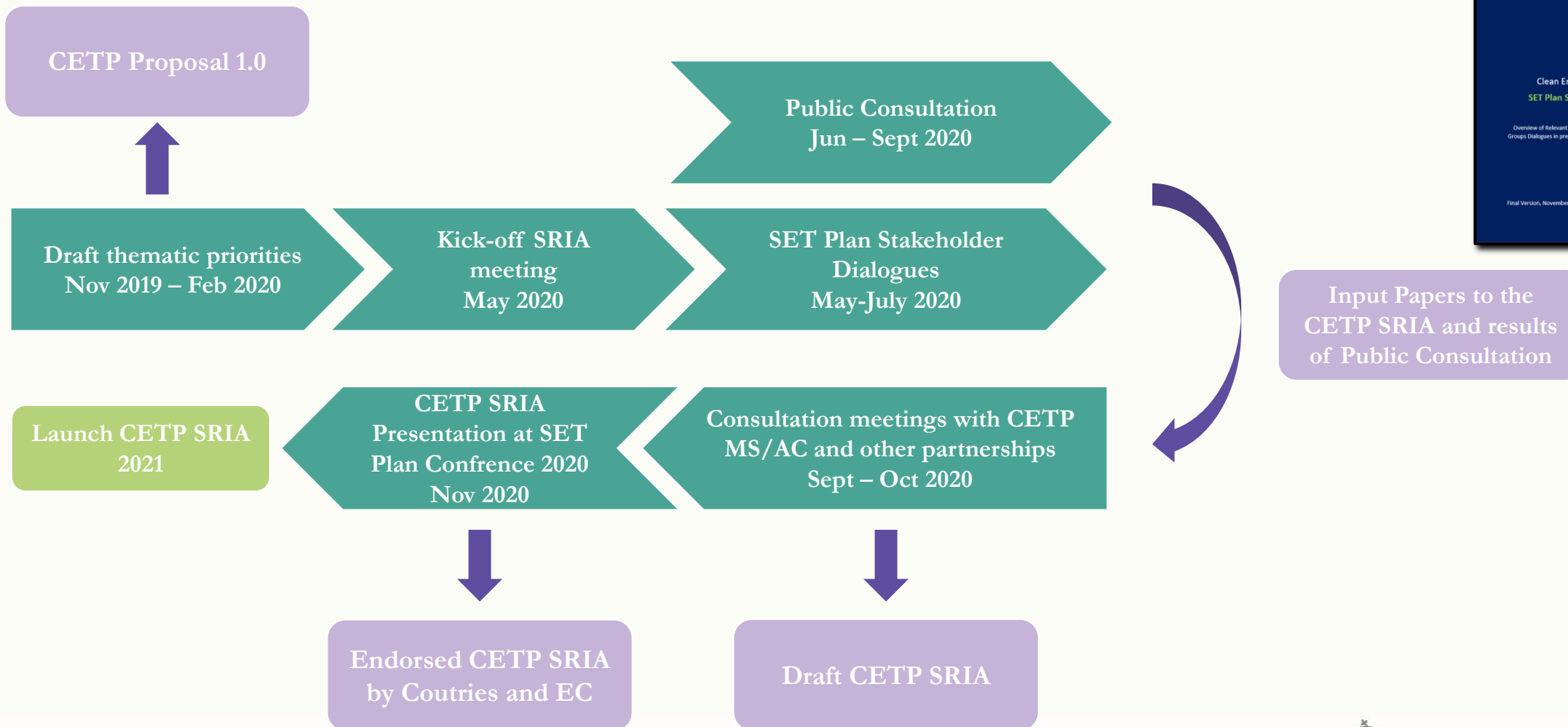


From enabling technologies towards an integrated energy system

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



Timeline



EUROPEAN PARTNERSHIP TOWARDS ZERO EMISSION ROAD TRANSPORT (2ZERO)

Vántora Virág
NKFI Hivatal

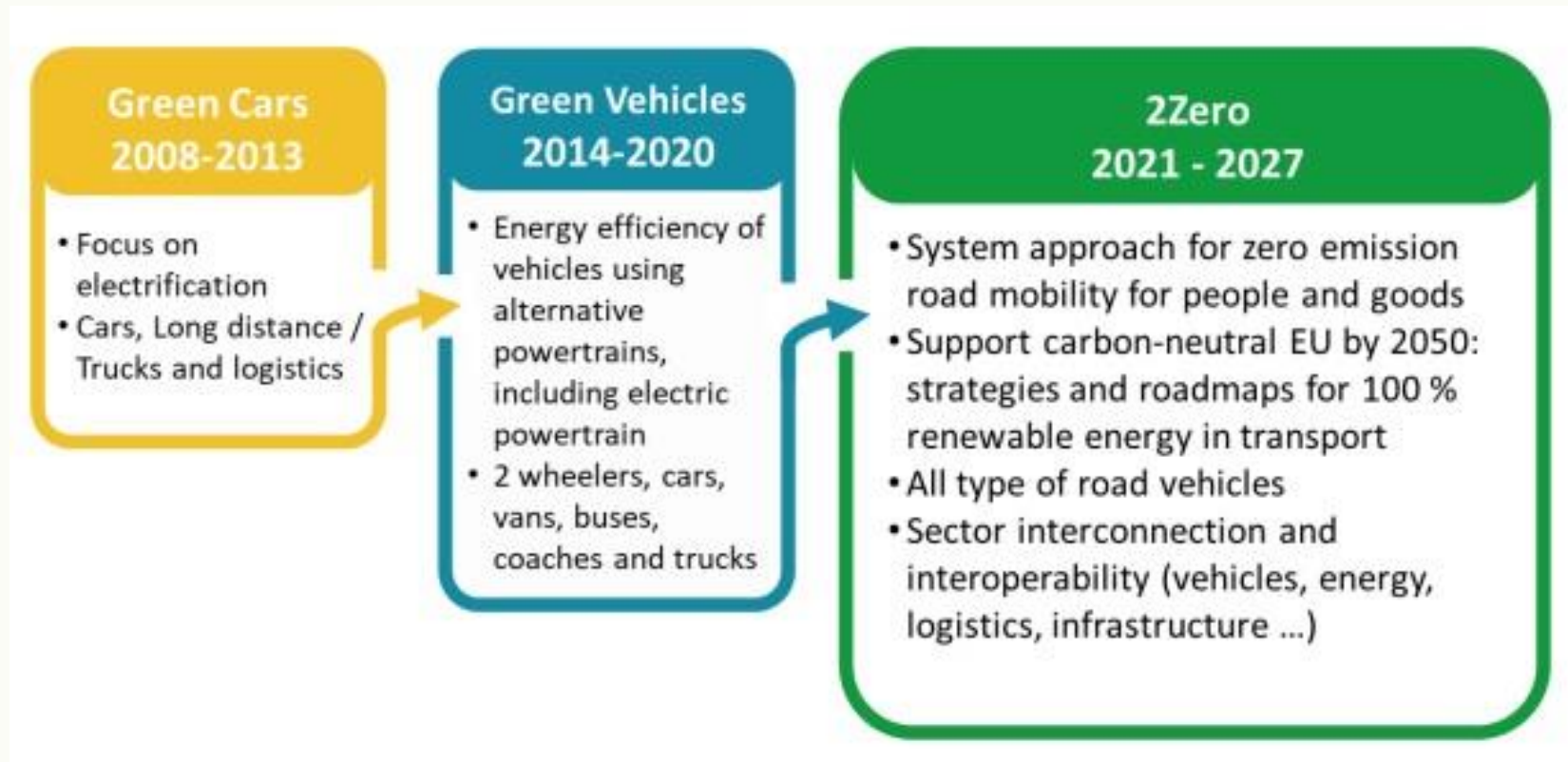
Smart, green and integrated transport NCP

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

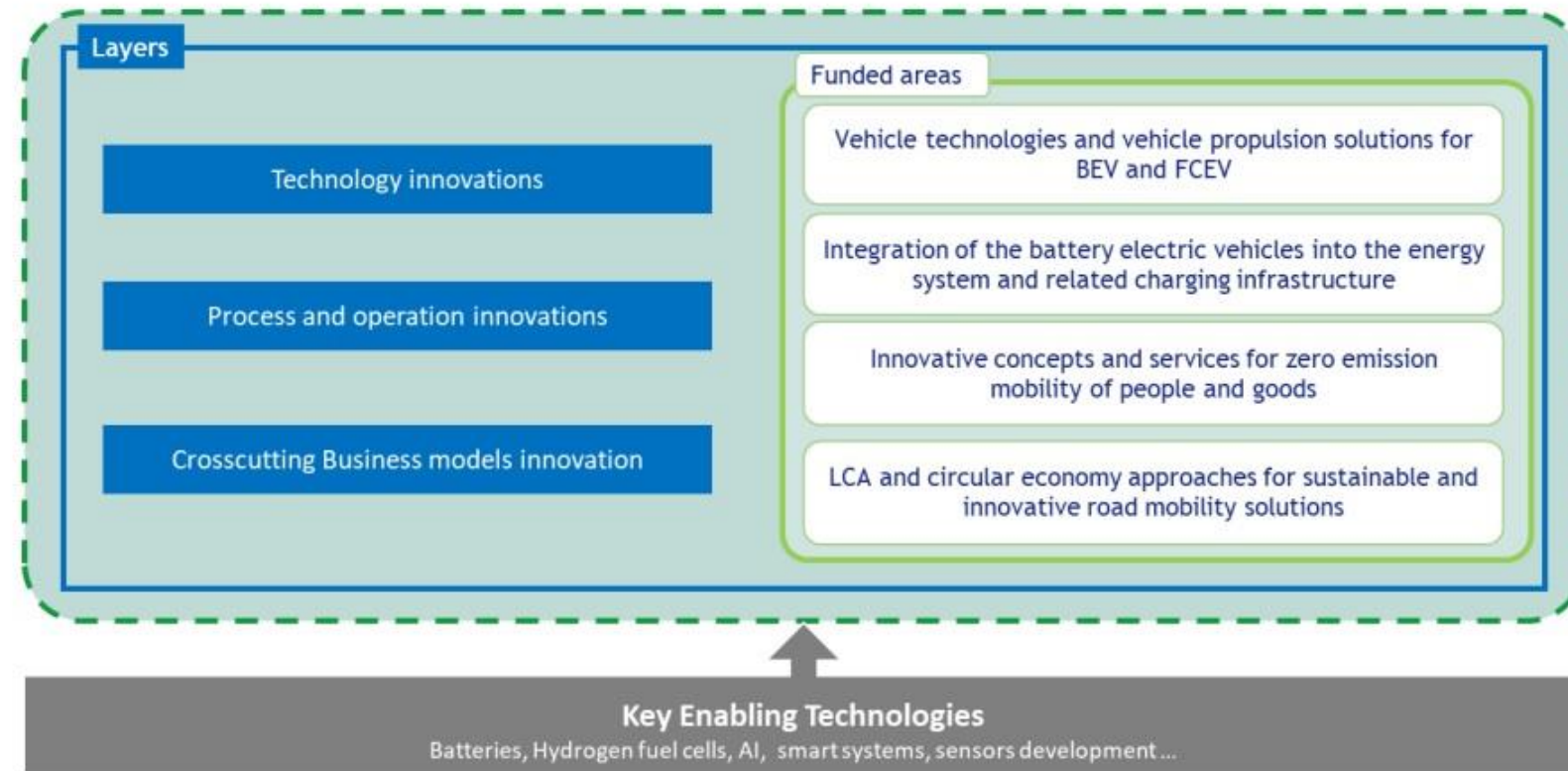


Source: Draft Proposal for a European Partnership under Horizon Europe



European Partnership Towards Zero Emission Road Transport

Zero 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
- <https://egvi.eu/mediaroom/towards-zero-emission-road-transport-2zero-a-partnership-to-achieve-carbon-neutrality-in-road-transport-by-2050/>



EUROPEAN PARTNERSHIP CONNECTED, COOPERATIVE AND AUTOMATED MOBILITY (CCAM)

Vántora Virág
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Smart, green and integrated transport NCP

2020. December 1.



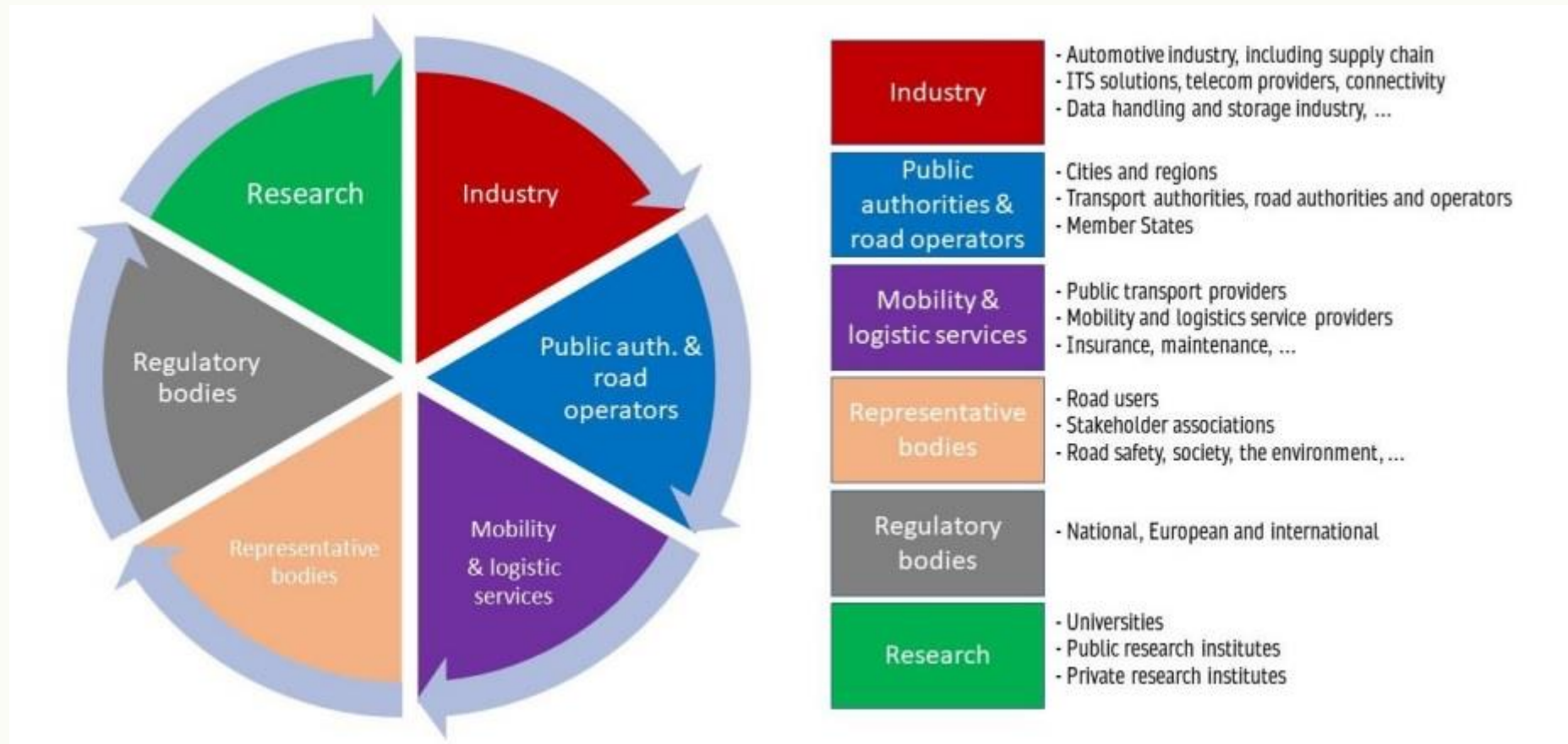
Autonomous cars

- 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)

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Smart, green and integrated transport NCP

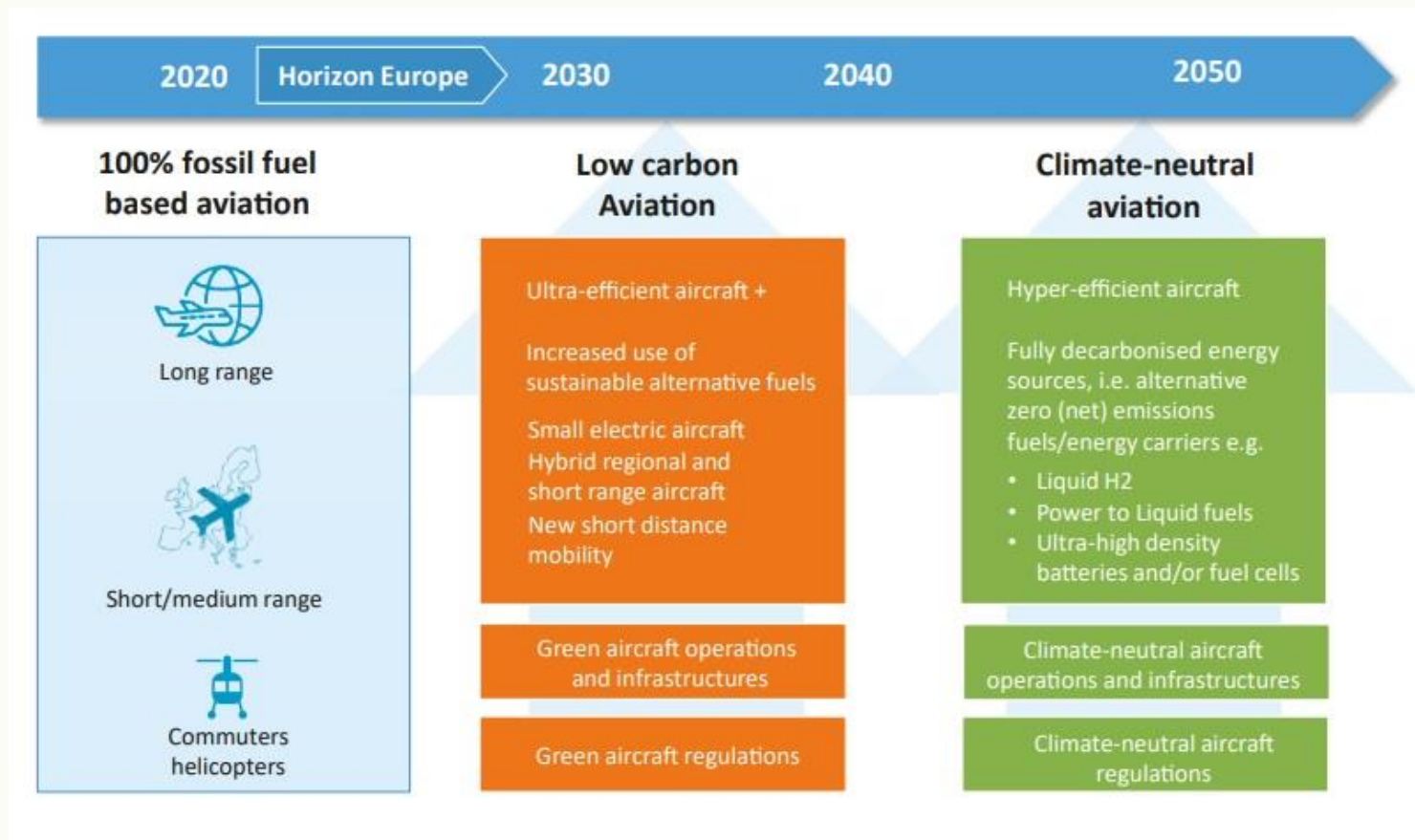
2020. december 1.



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
- <https://clean-aviation.eu/>



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