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# HORIZON EUROPE

## Partnerships in the Fields of Energy and Mobility

01.12.2020



# Policy Context



## FLAGSHIP AREAS FOR INVESTMENTS AND REFORMS

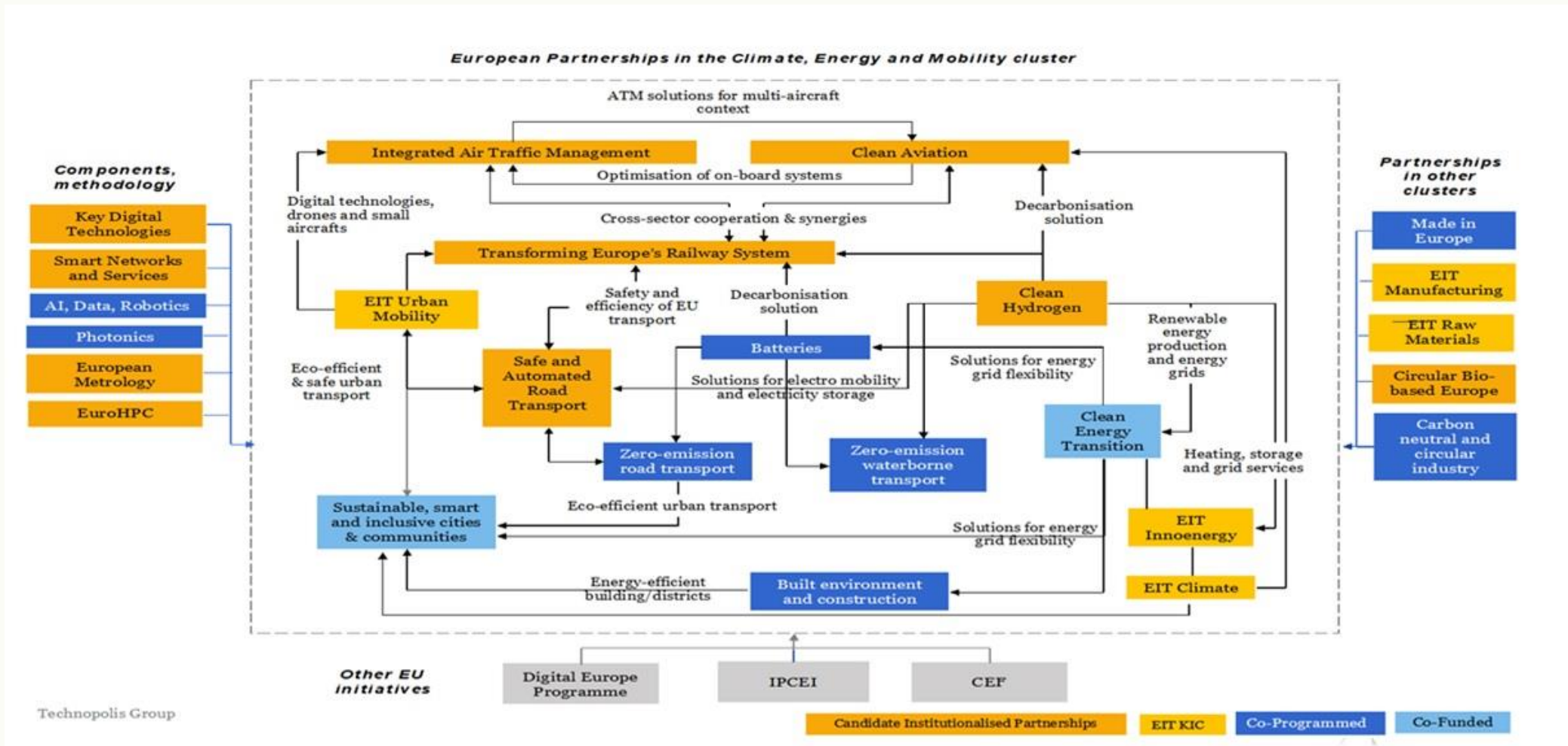
- POWER UP**  
CLEAN TECHNOLOGIES AND RENEWABLES
- RENOVATE**  
ENERGY EFFICIENCY OF BUILDINGS
- RECHARGE AND REFUEL**  
SUSTAINABLE TRANSPORT AND CHARGING STATIONS
- CONNECT**  
ROLL-OUT OF RAPID BROADBAND SERVICES
- MODERNISE**  
DIGITALISATION OF PUBLIC ADMINISTRATION
- SCALE-UP**  
DATA CLOUD CAPACITIES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



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



# European Partnerships in the Climate, Energy and Mobility Cluster



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# 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



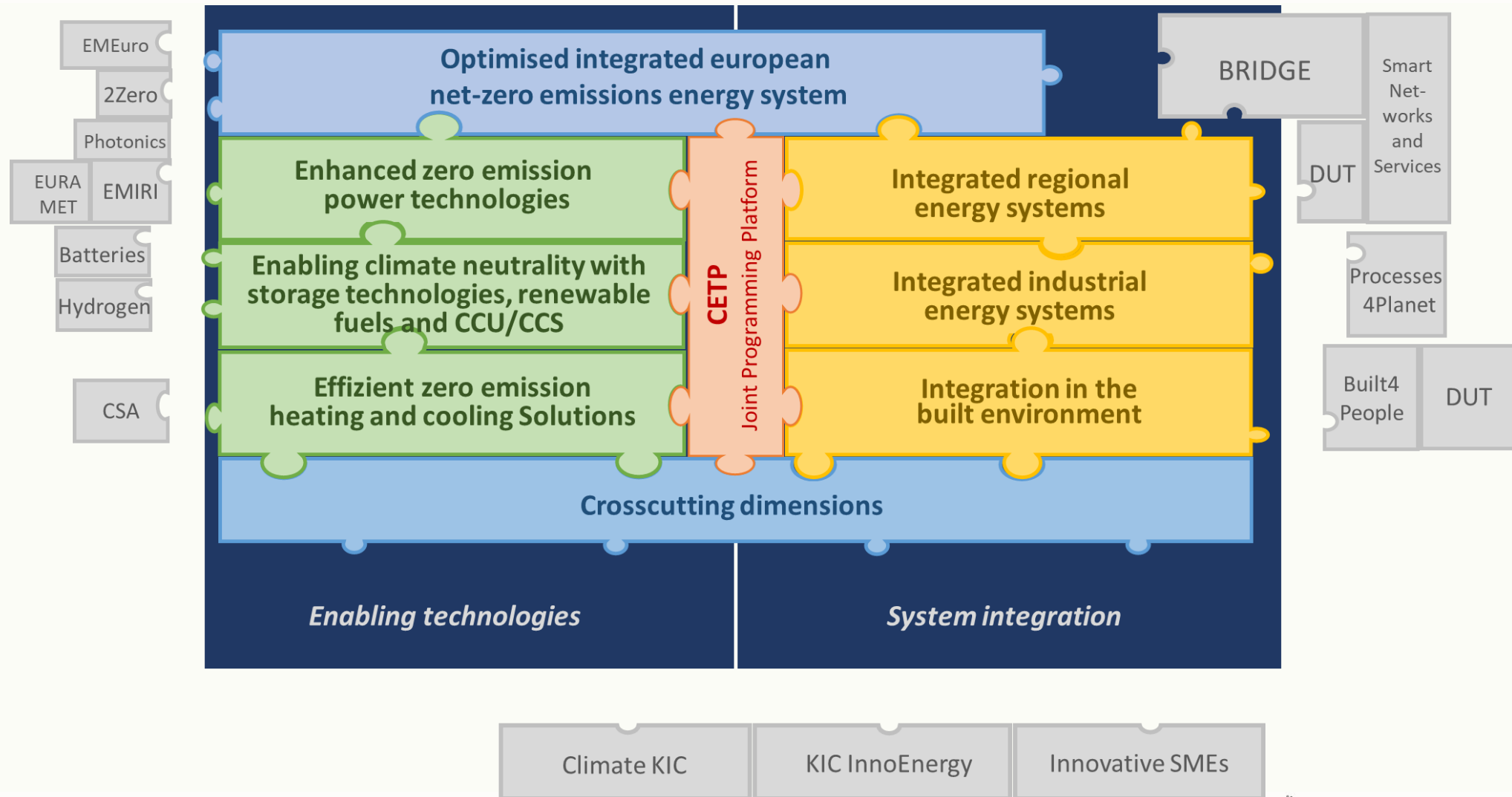
29 countries + European Commission (*16 November 2020*)



Indicated Budget of ~ 500 million € (*16 November 2020*)

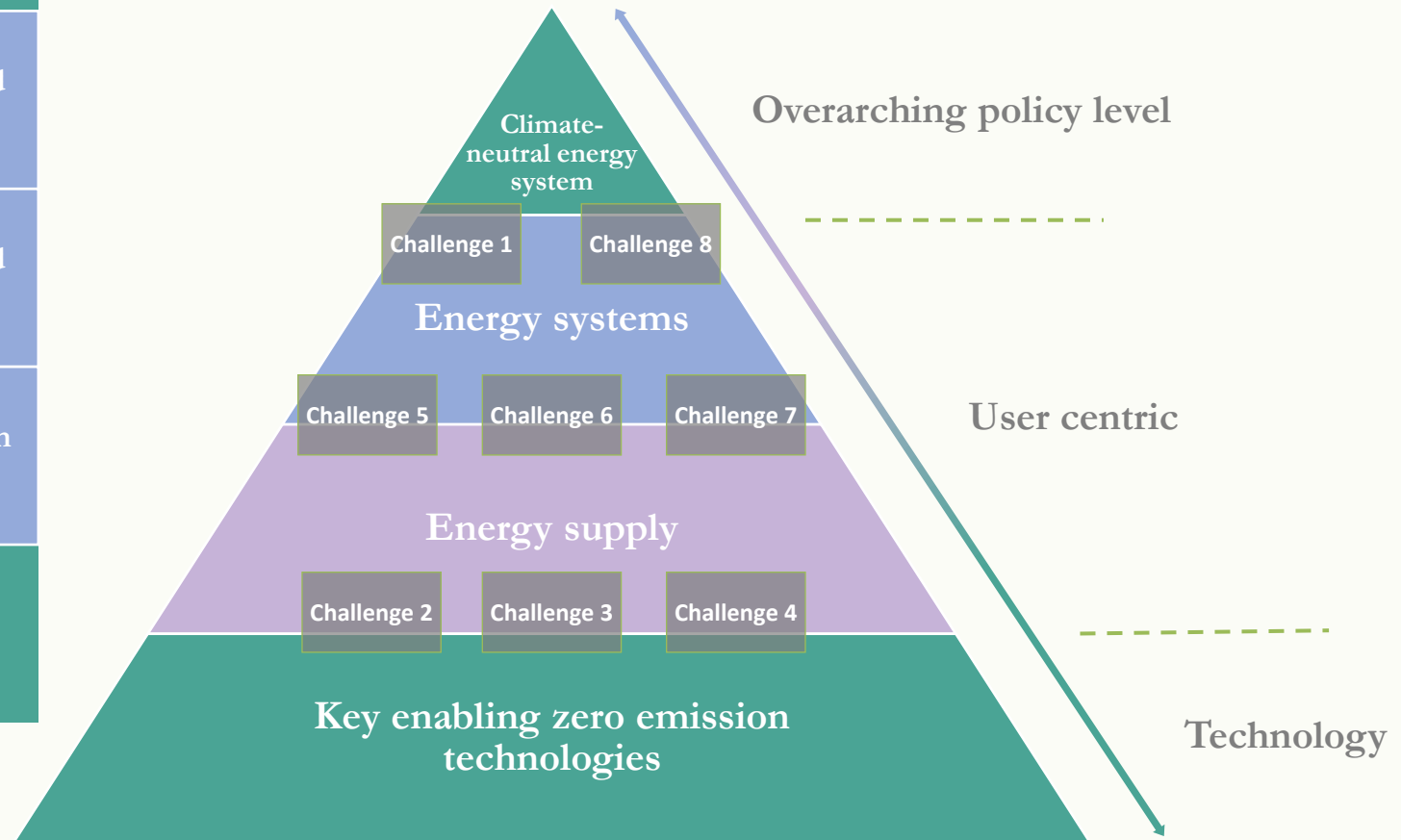


# CETP in the European Ecosystem

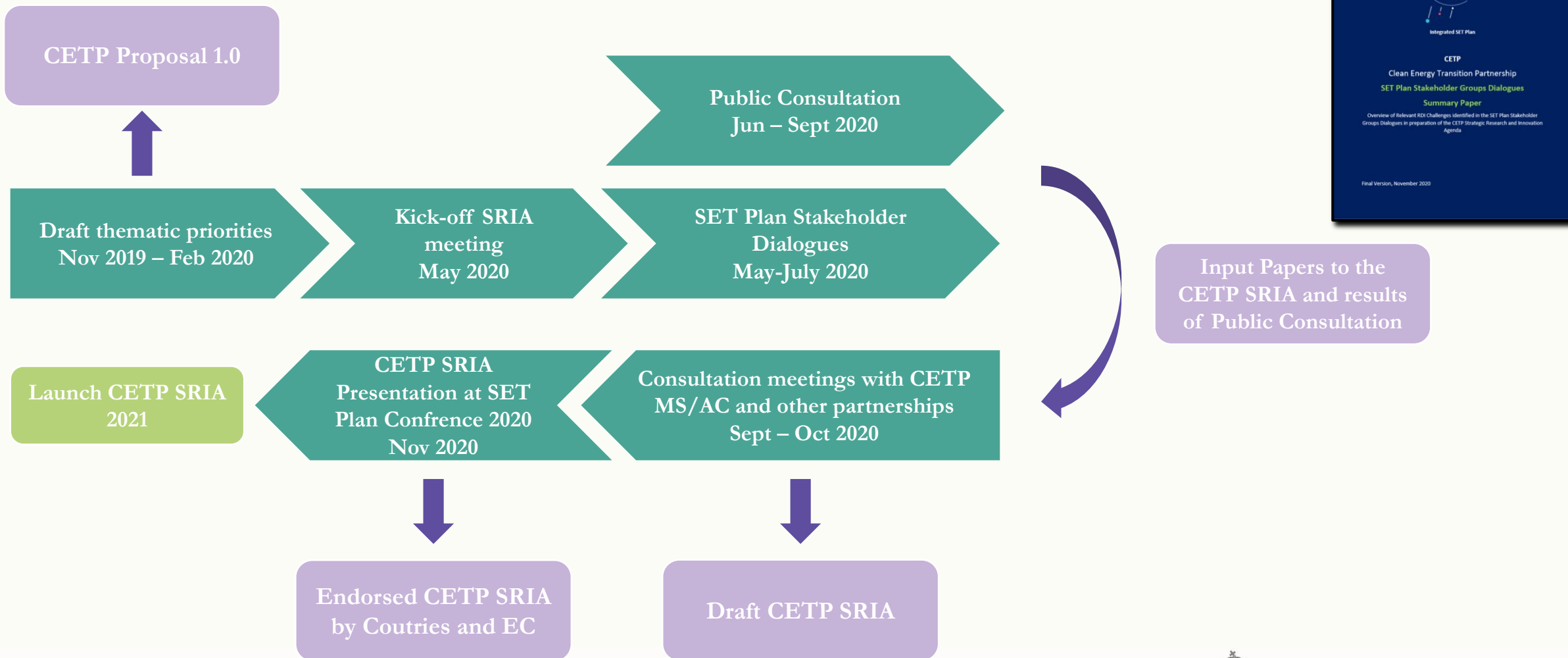


# From enabling technologies towards an integrated energy system

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





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# EUROPEAN PARTNERSHIP TOWARDS ZERO EMISSION ROAD TRANSPORT (2ZERO)

Vántora Virág  
NKFI Hivatal

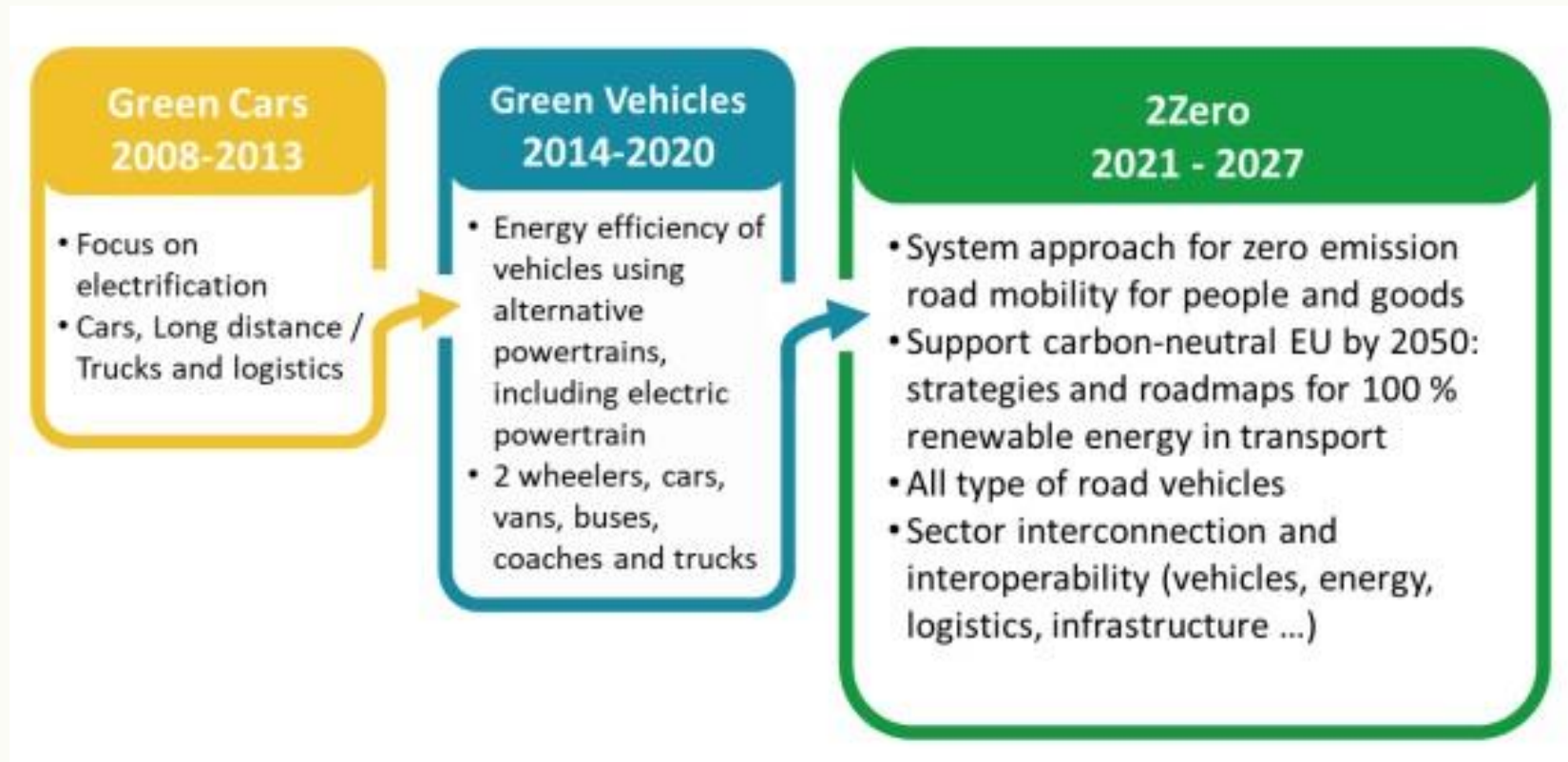
Smart, green and integrated transport NCP

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

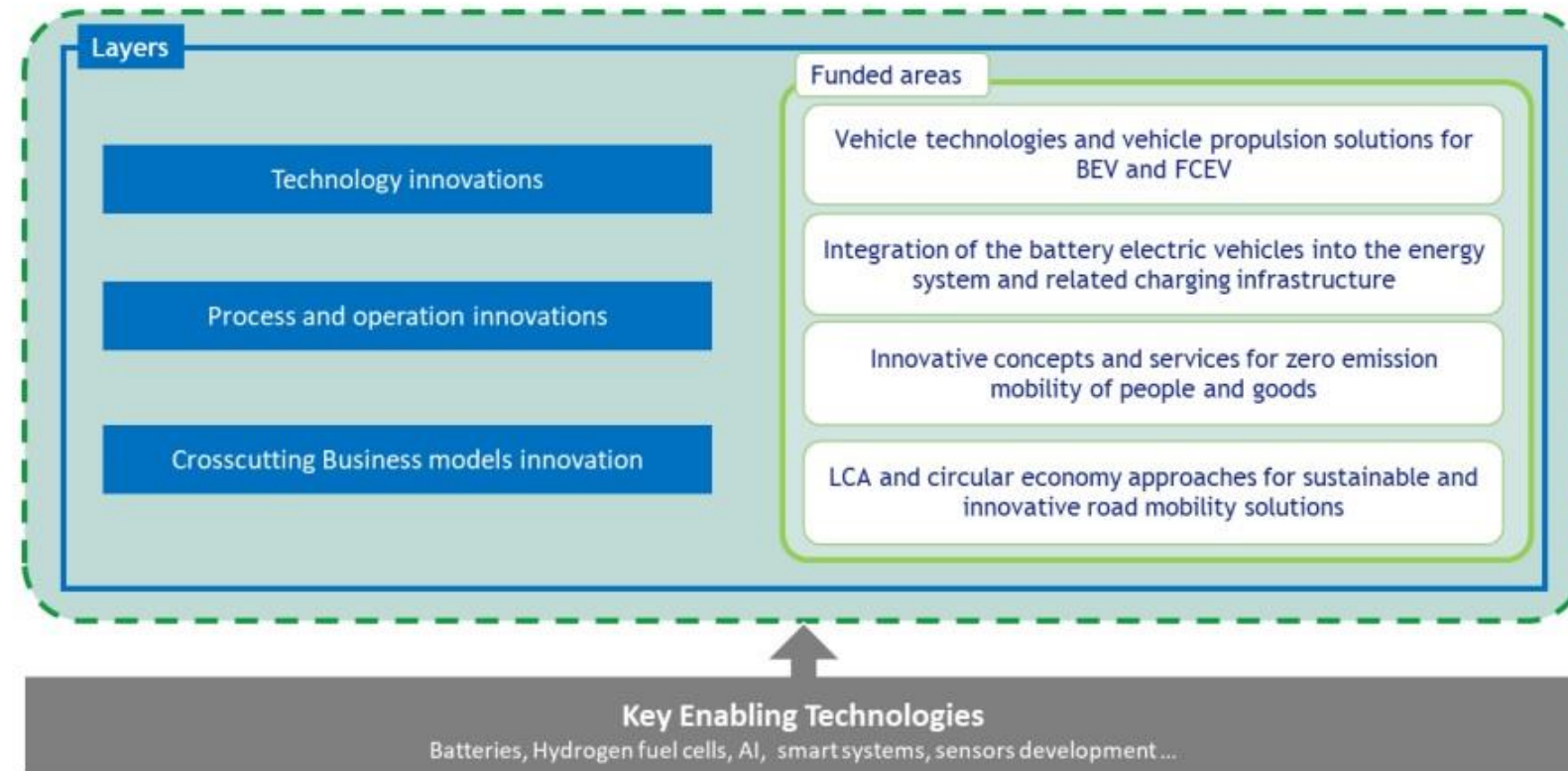


Source: Draft Proposal for a European Partnership under Horizon Europe



# European Partnership Towards Zero Emission Road Transport

## Zero partnership funded activities and their interactions



Source: Draft Proposal for a European Partnership under Horizon Europe



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# European Partnership Towards Zero Emission Road Transport

- Lead entity: EGVIA, [info@egvi.eu](mailto:info@egvi.eu)
- Commission services: DG R&I, Guido Sacchetto, [Guido.SACCHETTO@ec.europa.eu](mailto: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/>



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# EUROPEAN PARTNERSHIP CONNECTED, COOPERATIVE AND AUTOMATED MOBILITY (CCAM)

Vántora Virág  
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Smart, green and integrated transport NCP

2020. December 1.



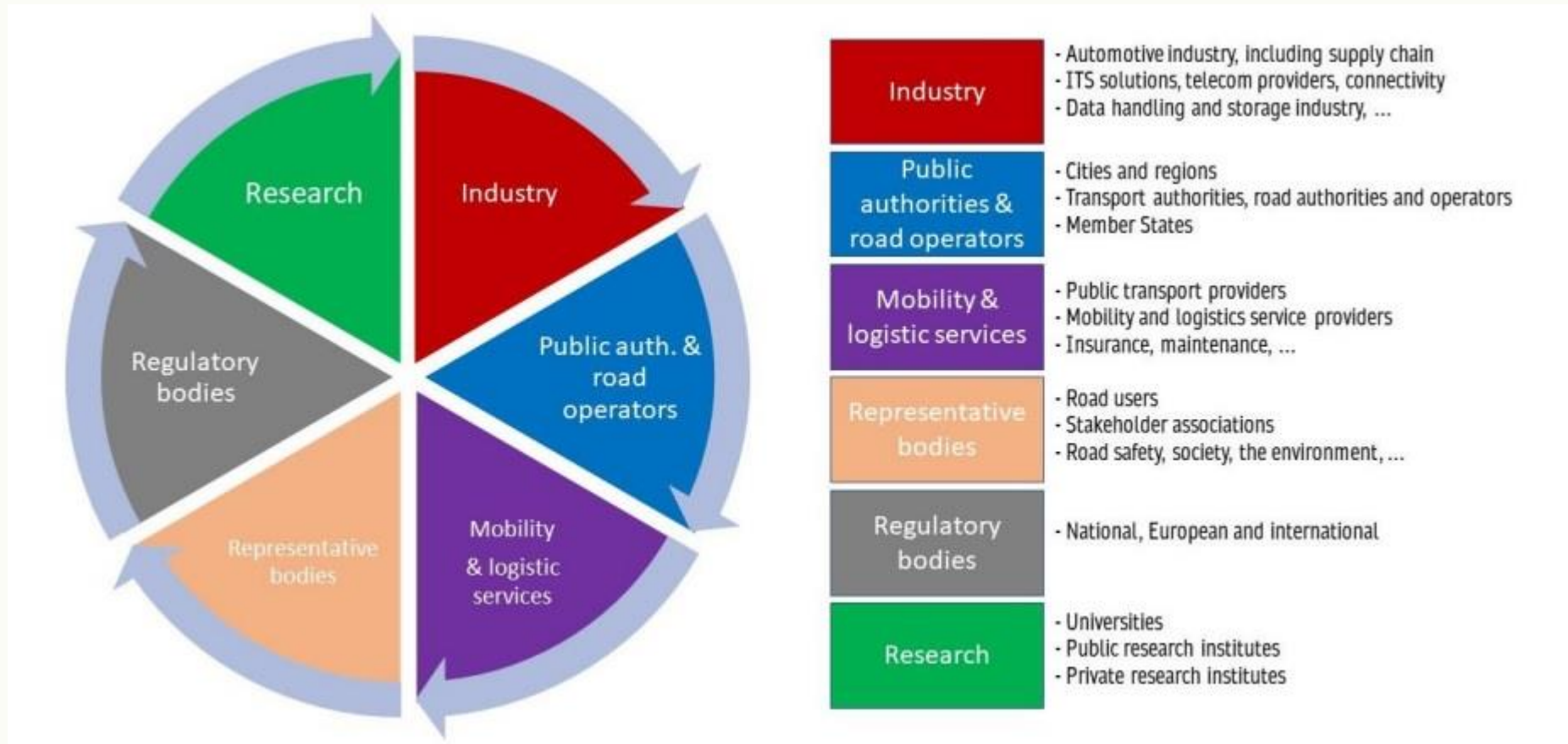
## Autonomous cars

- 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





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# 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



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# Connected, Cooperative and Automated Mobility CCAM

- Lead entity: ERTRAC, [info@ertrac.org](mailto:info@ertrac.org)
- Commission services: [EU-CCAM-PARTNERSHIP@ec.europa.eu](mailto:EU-CCAM-PARTNERSHIP@ec.europa.eu)



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# EUROPEAN PARTNERSHIP CLEAN AVIATION (EPCA)

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Smart, green and integrated transport NCP

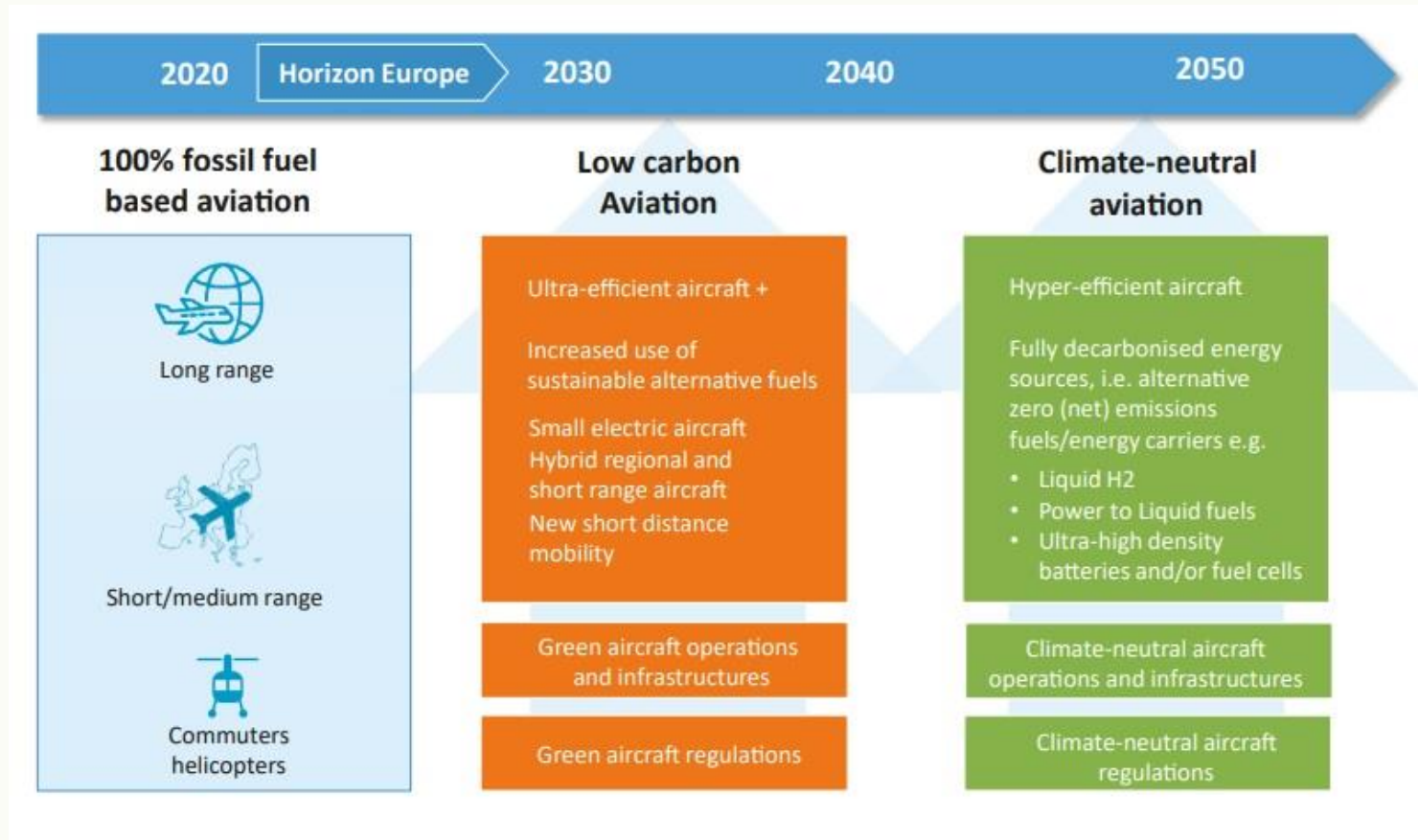
2020. december 1.



# 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](mailto:info@clean-aviation.eu)
- Commission services: DG R&I, D3, [RTD-CLEAN-AVIATION@ec.europa.eu](mailto:RTD-CLEAN-AVIATION@ec.europa.eu)
- <https://clean-aviation.eu/>



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