



Logistics Research & Innovation

#HorizonEU

**HORIZON
EUROPE**

**THE EU
RESEARCH & INNOVATION
PROGRAMME**

2021 – 2027

Cluster 5

**Patrick MERCIER-HANDISYDE
European Commission - DG R&I**

European Logistics Innovation Day

The Boostlog Project Public Event

* Disclaimer: draft WP

*Research and
Innovation*

5th July 2022



Transport Policy Context



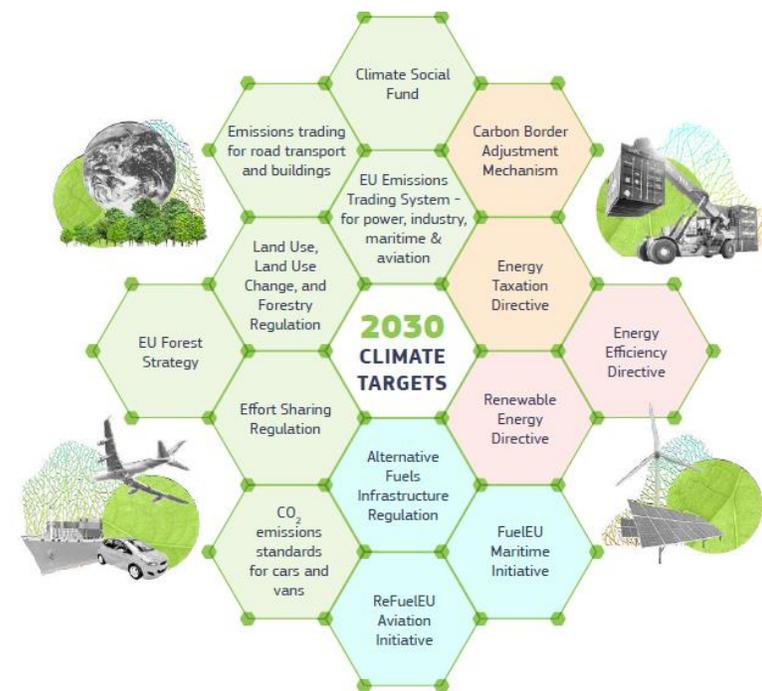
Green Deal – EU Climate Neutral by 2050

Our first major milestone down this ambitious path will be a **55% reduction of emissions by 2030**. These are legal obligations laid down in the first **European Climate Law**.

Climate change is the biggest challenge of our time. And it is an opportunity to build a **new economic model**.

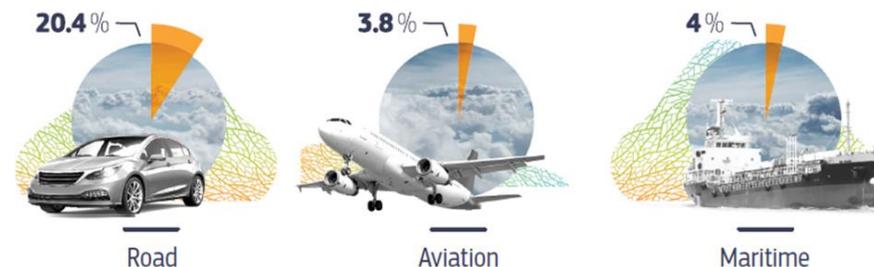
The green transition presents a major **opportunity for European industry** by creating markets for clean technologies and products.

Our transition to greener mobility aims at offering **clean, accessible and affordable transport** even in the most remote areas.



TRANSPORT NEEDS TO CUT EMISSIONS BY 90% BY 2050

Share of total EU Greenhouse Gas (GHG) emissions, per mode



Sustainable and Smart Mobility Strategy

A clean, digital and modern economy for the EU transport sector.

82 initiatives in 10 key areas for action (“flagships”) including:

1. Boosting the uptake of **zero-emission vehicles, vessels and aeroplanes, renewable & low-carbon fuels** and related infrastructure.
2. Creating **zero-emission airports and ports**.
3. Making **interurban and urban mobility healthy and sustainable**.
4. **Greening freight transport** – for instance by doubling rail freight traffic by 2050.
6. Making **connected and automated multimodal mobility** a reality.
7. Boosting **innovation and the use of data and artificial intelligence (AI)** for smarter mobility.
8. **Reinforce the Single Market** - for instance through reinforcing efforts and investments to complete the Trans-European Transport Network (TEN-T) by 2030.





Horizon Europe Programme



HORIZON EUROPE

EURATOM

SPECIFIC PROGRAMME: EUROPEAN DEFENCE FUND
Exclusive focus on defence research & development

Research actions

Development actions

SPECIFIC PROGRAMME IMPLEMENTING HORIZON EUROPE & EIT*
Exclusive focus on civil applications

**Pillar I
EXCELLENT SCIENCE**



European Research Council

Marie Skłodowska-Curie

Research Infrastructures

**Pillar II
GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS**



Clusters

- Health
- Culture, Creativity & Inclusive Society
- Civil Security for Society
- Digital, Industry & Space
- **Climate, Energy & Mobility**
- Food, Bioeconomy, Natural Resources, Agriculture & Environment

Joint Research Centre

**Pillar III
INNOVATIVE EUROPE**



European Innovation Council

European Innovation Ecosystems

European Institute of Innovation & Technology*

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation & spreading excellence

Reforming & Enhancing the European R&I system

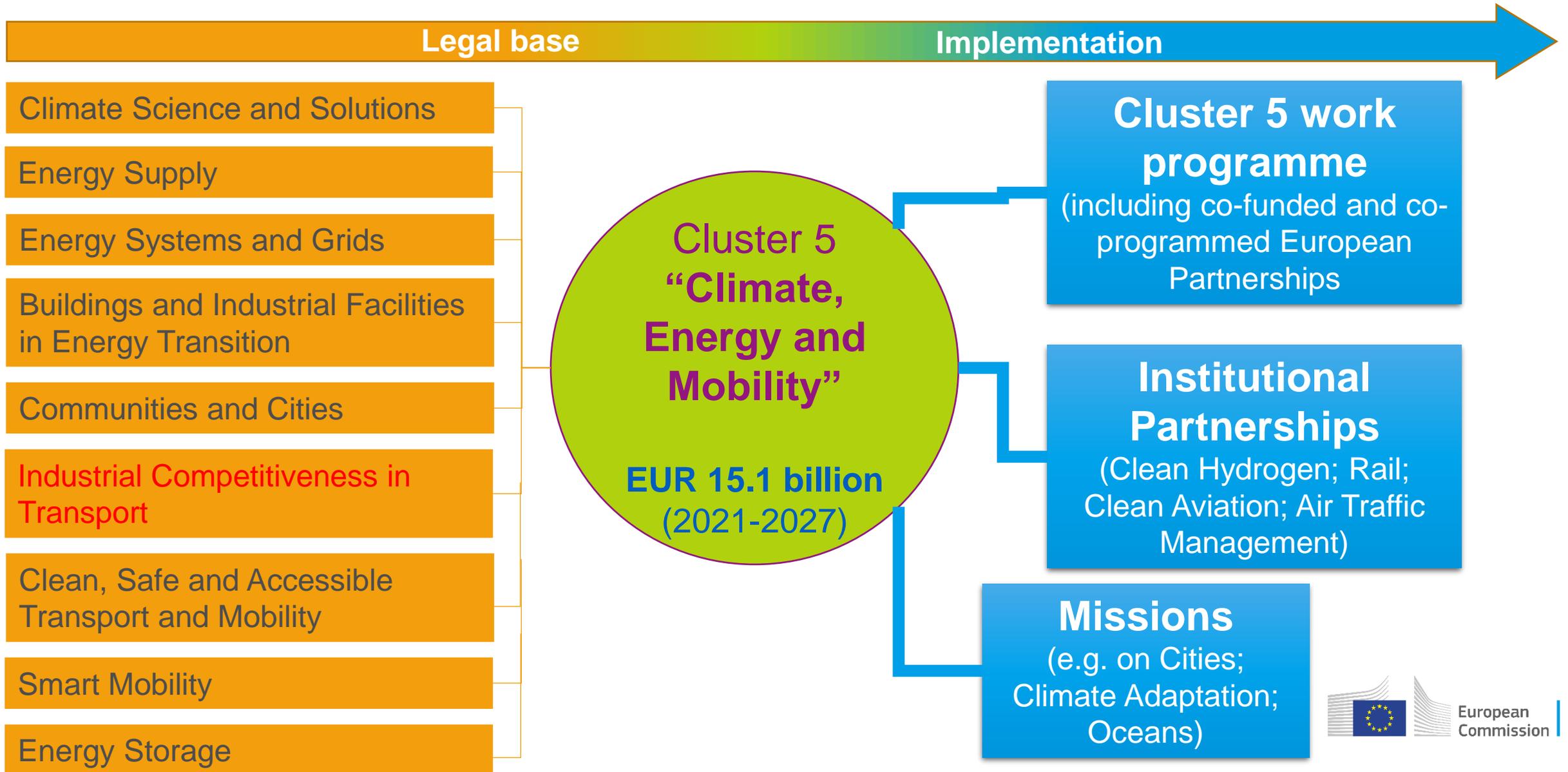
Fusion

Fission

Joint Research Center

* The European Institute of Innovation & Technology (EIT) is not part of the Specific Programme

Cluster 5 - overview



Partnerships for Cluster 5

Institutional Partnerships

- Transforming Europe's rail system
- Integrated Air Traffic Management
- Clean Aviation
- Clean Hydrogen

Co-funded Partnerships

- Driving urban transitions to a sustainable future (DUT)
- Clean Energy Transition

Co-programmed Partnerships

- Built4People | People-centric sustainable built environment
- Towards zero-emission road transport (2ZERO)
- Batteries: Towards a competitive European industrial battery value chain for stationary applications and e-mobility (Batt4EU)
- Zero-emission waterborne transport
- Connected, Cooperative and Automated Mobility (CCAM)

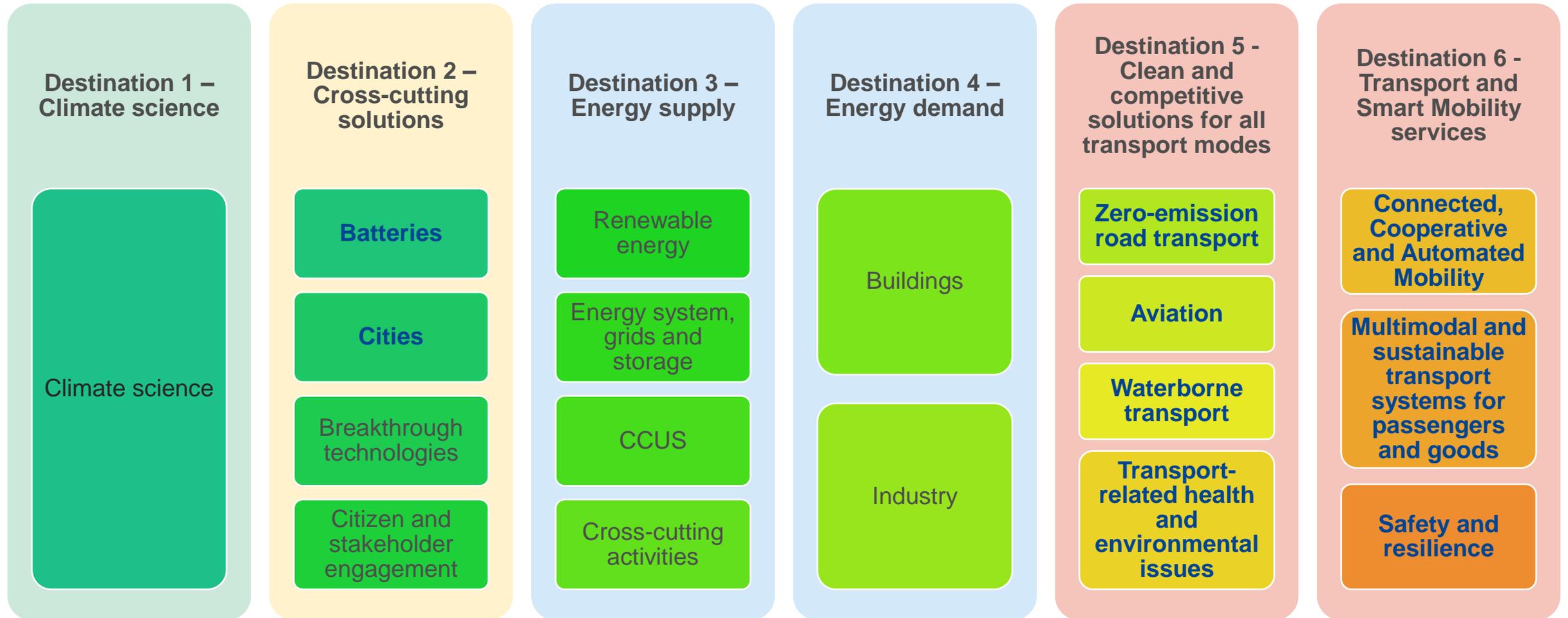
CLIMATE, ENERGY AND MOBILITY

Cluster 5

Work Programme



Work Programme - overview



R&I to support Logistics under Horizon Europe Cluster 5

- Collaborative R&I under Destination 5 and 6:
 - ✓ Transport-related health and environmental issues
 - ✓ Multimodal and sustainable transport systems for passengers and goods
 - ✓ Safety and resilience
- European partnerships:
 - ✓ Towards zero-emission road transport (**2ZERO**)
 - ✓ Cooperative, Connected and Automated Mobility (**CCAM**)
 - ✓ Zero Emission Waterborne Transport (**ZEWT**)
 - ✓ **Clean Hydrogen**



Transport Research Arena 2022



Transport Research Arena 2022



- **Transport Research Arena (TRA) 2022**
Conference and exhibition in Lisbon, Portugal,
14-17 November 2022
- For more information: www.tra2022.eu
- Registrations are now open! <https://traconference.eu/registration/>



CONFERENCE PROGRAMME

