Cluster 5
Horizon Europe
Horizon Europe

Pillar 1
Excellent Science

- European Research Council
- Marie Skłodowska-Curie Actions
- Research Infrastructures

Pillar 2
Global Challenges and European Industrial Competitiveness

- Clusters
  - Health
  - Culture, Creativity and Inclusive Society
  - Civil Security for Society
  - Digital, Industry and Space
  - Climate, Energy and Mobility
  - Food, Bioeconomy, Natural Resources, Agriculture and Environment
- Joint Research Centre

Pillar 3
Innovative Europe

- European Innovation Council
- European innovation ecosystems
- European Institute of Innovation and Technology

Widening Participation and Strengthening the European Research Area

- Widening participation and spreading excellence
- Reforming and Enhancing the European R&I system
Global Challenges and European Industrial Competitiveness

Boosting key technologies and solutions, underpinning EU policies and Sustainable Development Goals

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

Joint Research Centre
Cluster 5

Climate, Energy and Mobility
Cluster 5 aims

- climate neutrality in Europe by 2050
- deep reduction of greenhouse gas emissions
- zero pollution
- becoming a globally leading actor for sustainable technologies and services
Cluster 5 – Destinations

1. Climate sciences and responses
2. Cross-sectoral solutions for the climate transition
3. Sustainable, secure and competitive energy supply
4. Efficient, sustainable and inclusive energy use
5. Clean and competitive solutions for all transport modes
6. Safe Resilient Transport and Smart Mobility services for passengers and goods
Possible partnership programmes

- Transforming Europe's rail system
- Integrated Air Traffic Management
- Clean Aviation
- Clean Hydrogen
- Built environment and construction
- Towards zero-emission road transport
- Mobility and Safety for Automated Road Transport
- Batteries
- Clean Energy Transition
- Driving Urban Transition
- Smart and zero-emission waterborne transport
Related European initiatives

“Beyond the inevitable social transitions and lifestyle changes, a key contribution to success is the development of [...] cost-effective climate neutral alternatives for emitting activities”

- European Green Deal
- A Clean Planet for All
- Europe fit for the digital age – digitalization of the energy and transport systems
Horizon Europe timeline

- 2018: EC decides on a Follow-up R&I programme
- 2019: Partial agreement on content
- 2020: Spring 2020 WP Outlines
- 2020: Summer 2020 Topic drafts
- 2021: Jan 2021 WP adoption
- 2021: Feb 2021 Horizon Europe Launch
- 2021: Q1 2021 (?) First calls open
Questions?
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NCP for H2020
- SC3, Secure, clean and efficient energy
- SC5, Climate action, environment, resource efficiency and raw materials
- Euratom

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Thank you!