CLUSTER 5

CLIMATE

MOBILITY

ENERGY

HORIZON EUROPE
INFO DAYS 2021

CLIMATE RESILIENT AND ENVIRONMENTALLY SUSTAINABLE TRANSPORT INFRASTRUCTURE, WITH A FOCUS ON INLAND WATERWAYS

HORIZON-CL5-2021-D6-01-09

Rafal STANECKI
Policy Officer DG MOVE

2021 – 2027
Climate resilient and environmentally sustainable transport infrastructure, with a focus on inland waterways

**Scope (1/2)**

Transport infrastructure is vulnerable to climate change and other natural or human caused disruptions. The goal is to strengthen infrastructure reliability, improve its performance and increase the resilience of the whole transport system, creating a **climate resilient infrastructure system**. The proposals should contribute to **smart, green, sustainable, climate-resilient and biodiversity friendly infrastructure** (with particular attention to inland waterways) and contain:

- Solutions for ensuring the performance of inland waterways during periods of low or high water levels
- Solutions for ensuring the performance and safety of land transport infrastructure and ports during extreme weather and man-made events.
- State-of-the-art solutions for surveillance and prediction of climate change effects, while using sustainable materials and construction techniques.
HORIZON-CL5-2021-D6-01-09

Climate resilient and environmentally sustainable transport infrastructure, with a focus on inland waterways

Scope (2/2)

- Design of standard, modular infrastructure elements for rapid deployment after disruptive events
- Development of new governance models that enable cooperation across institutional, modal and national boundaries.
- Innovative infrastructure solutions contributing to lowering the environmental footprint, resources and material consumption.

Proposals need to include at least two pilot demonstrations in operational environment (minimum at TRL7) in CEF corridors, one specific for inland waterways and a second one for integrated with waterways hinterland infrastructure.
Climate resilient and environmentally sustainable transport infrastructure, with a focus on inland waterways

Expected outcome

- Ensure navigability for inland waterways by assuring **at least 50% capacity** during extreme weather events.
- Enhance land/sea/infrastructure resilience to extreme weather and human caused events by assuring **at least 80% capacity** at network level during the disruptions.
- Contribute with **at least 20% increase** in modal shift to the sustainability of transport systems.
- Ensure resilience and smooth functioning of passenger mobility as well as freight transport and logistics networks operating on these infrastructures.
- Increase the use of recycled materials within or across transport modes by **at least 30%**.
- Reduce environmental impact during construction, maintenance, operation and decommissioning of the infrastructure in line with the EU environmental legislation.
HORIZON-CL5-2021-D6-01-09

Climate resilient and environmentally sustainable transport infrastructure, with a focus on inland waterways

Type of action: Innovation Action

EU contribution: up to € 7.5 million

Deadline:
Thank you!

# HorizonEU

http://ec.europa.eu/horizon-europe