



Horizon Europe EU model of inclusive innovation

Zero-Emission Waterborne Transport public-private Partnership

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EU contribution to innovation in global shipping



EU-IMO Global
Maritime
Technologies
Cooperation Centres

Capacity building



Mission Innovation –
Zero-emission ships

Paris Agreement



Public-Private
Partnership on Zero-
emission Waterborne
transport

**EU Research and
Innovation**



Work Program (biennial)

Public-Private Partnerships

Collaborative R&I project calls



HORIZON EUROPE

THE EU RESEARCH & INNOVATION PROGRAMME 2021 – 27



Biggest EU R&I Program to date! Budget **€95.5 billion**



More info: https://ec.europa.eu/info/research-and-innovation/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe_en

Research and Innovation

Horizon Europe – Zero-Emission Waterborne Transport Partnership

To provide and demonstrate zero-emission solutions for all main ship types and services before 2030, which will enable zero-emission waterborne transport before 2050

Public – European Commission (budget €530 M)

Private – EU waterborne (commitment €3.3 Bn)

Horizon Europe and partnerships – eligible countries

EU Member States + Territories linked to the Member States (Aruba, Bermuda etc.)

Horizon Europe associated countries (18 countries contributing to HE budget)

3rd countries – list of less developed countries automatically eligible for EU funding

3rd countries – eligible but without EU funding, unless special international cooperation topics indicated in the work programme

Conditions:

- Team up in consortium with EU partners
- EU added value

More info: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/common/guidance/list-3rd-country-participation_horizon-euratom_en.pdf



WATERBORNE

Zero emission waterborne transport partnership

Private side

Waterborne TP Association

A European Technology Platform for the Waterborne sector

- All waterborne stakeholders such as
 - ship-owners
 - shipbuilders
 - maritime equipment manufacturers
 - infrastructure and service providers
 - classification societies
 - universities
 - research institutes
 - waterway and port operators



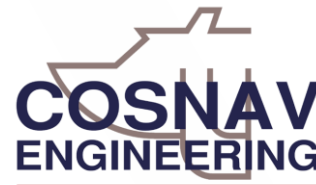
Waterborne TP Association

A European Technology Platform for the Waterborne sector:

- Dialogue between members, the EU Institutions, and Member States.
- Common medium and long-term R&D Vision and a Strategic Research Agenda (SRA).
- Waterborne = Maritime + Inland Navigation on rivers, canals and lakes + Ports!



Waterborne TP Association Industrial Members



Waterborne TP Association

- Combination of members is crucial for the success of the partnership





Zero emissions

The scope

- Alternative fuel
- Power conversion
- Ship efficiency
- Digitisation
- Other pollutions



Key take-aways

- We can only do this together
- We need the whole value chain
- We need small vessels to develop technologies for larger vessels (inland, short-sea, ferries -> cruise, tankers, bulkers, container)

Potential collaboration

- Ship owners of ship types uncommon to EU
- Flag states to discuss regulation and implementation
- Transfer of affordable technologies like wind propulsion
- Cross-over of demonstrations in similar ships:
 - Inland vessels
 - Small ferries on lakes, ferries between islands
 - Fishery vessels



Thank you

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