



WATERBORNE

STRATEGIC RESEARCH AGENDA

for the European
Waterborne Sector



01

WHO ARE WE?

WVW



WHO ARE WE?

A European Technology Platform for the Waterborne sector

- Continuous dialogue between waterborne stakeholders such as shipbuilders, ship-owners, maritime equipment manufacturers, infrastructure and service providers, classification societies, universities or research institutes, energy companies, environmental non-profit organisations, waterway and port operators, fisheries and citizen associations and with the EU Institutions, including Member States;
- Common medium and long-term R&D Vision and a Strategic Research Agenda (SRA).
- Waterborne = Seaborne + Inland rivers and lakes + Ports!





02

**MISSIONS OF
THE WATERBORNE SECTOR**



MISSIONS OF THE WATERBORNE SECTOR

Green, Safe &
Smart

- **The transformation of the Waterborne transport**
 - Green and clean Waterborne transport
 - Connected and automated Waterborne transport
 - Safe and secure Waterborne transport
 - Safe, competitive and eco-friendly yards
- **Developing European leadership and new business models for blue growth sectors**
 - Understanding and protecting the oceans, seas and inland waters
 - The oceans, seas and inland waters as a source/font of natural resources
 - Working and living at sea
- **Integrating shipping and inland navigation into seamless port and logistics operations**
 - Port operations
 - Integrating maritime and hinterland logistics
 - Port infrastructure



MISSIONS OF THE WATERBORNE SECTOR

Safe transport

OBJECTIVE:

Safe and secure Waterborne transport

Targets :

- 2030: Radically improve management of safety of ships: aiming for zero fatalities,
- 2050: Radically improved safety culture: zero accidents, zero loss-of-life and zero pollution.



MISSIONS OF THE WATERBORNE SECTOR

Protecting the
Ocean

OBJECTIVE:

Protecting and understanding the oceans, seas and inland waters

Targets :

- 2030: Fully integrated ocean, seas and inland waters monitoring system will be implemented,
- 2030: Systems to remove plastics from rivers, seas and oceans will have been developed,
- 2030: Understanding will be the basis for “license to exploit” for all waterborne activities in a changing climate.



MISSIONS OF THE WATERBORNE SECTOR

A natural
resource

OBJECTIVE:

The oceans, seas and inland waters as a
source/font of natural resources

Targets :

- 2030: Floating wind turbines, tidal turbines and other energy sources technically viable for large scale applications,
- 2030: First deep-sea mining pilot installations available.



MISSIONS OF THE WATERBORNE SECTOR

Living space

OBJECTIVE:

Working and living at sea

Targets :

- 2030: Multi-purpose modular systems to support and protect offshore workers and tourist,
- 2050: First floating islands for large-scale industrial or recreational activities and inhabitation.



CONCLUSIONS

- We want to make Waterborne sector to evolve along a green, safe, digital and social pathway
- Inland shipping and seaborne transport will work hand-in-hand to face the common challenges.
- Technology, regulations, and deployment measures will need to be developed simultaneously.





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Thank you!

