



WATERBORNE

# Waterborne Technology Platform





01

WHO ARE WE?

WVW



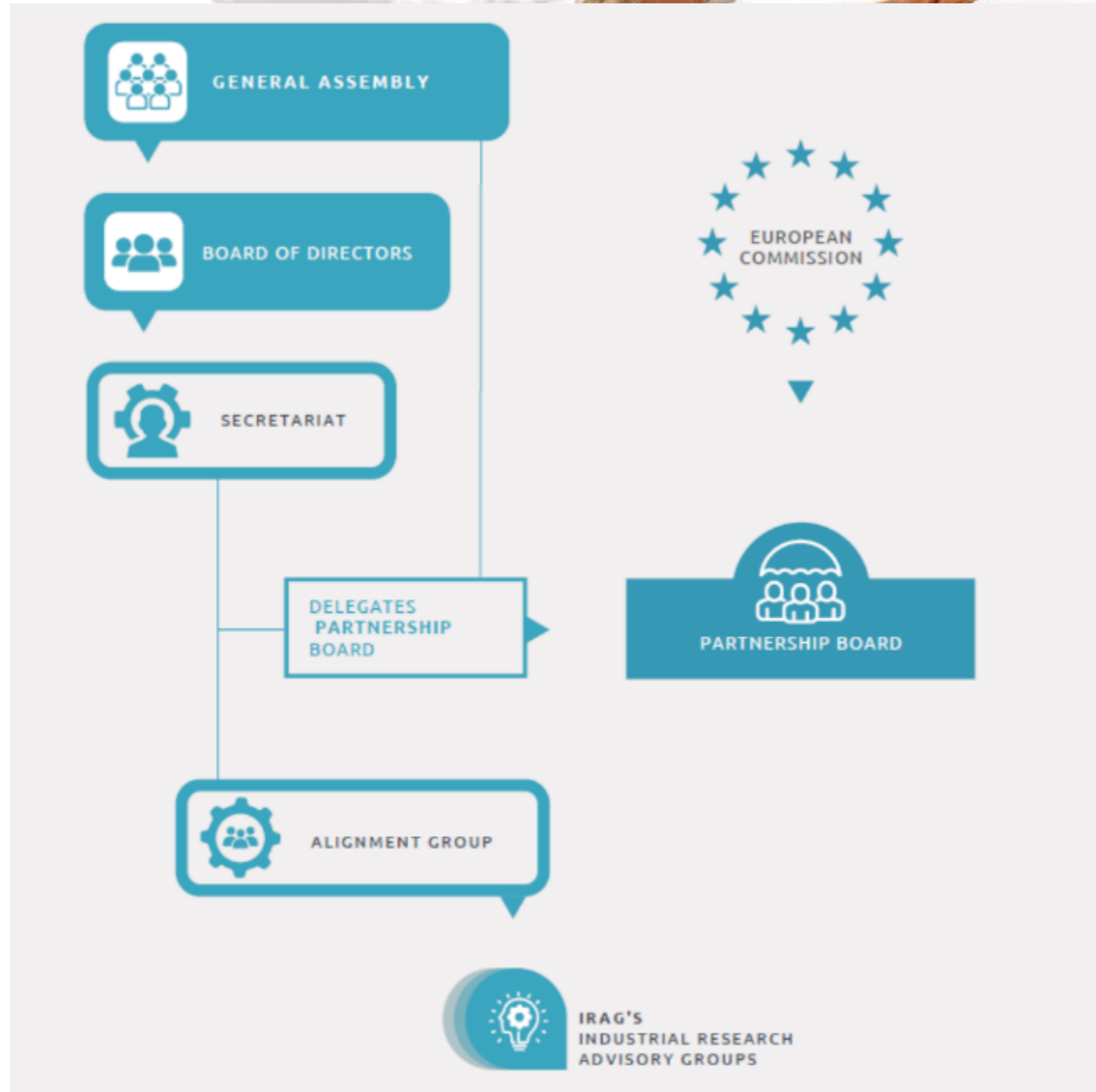
# Waterborne TP Association

## 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 or research institutes, waterway and port operators;
- Currently 128 members, representing the main stakeholders of the European waterborne transport sector (shipyards, maritime equipment manufacturers, shipowners, research institutes, academia, associations, etc....),
- Waterborne = Maritime + Inland Navigation and lakes + Ports!
- cPP on Zero-Emission Waterborne Transport and other activities
- Three working groups: Ships & Shipping, Ports & Logistics and Blue Growth



# Waterborne TP Association – Organisational structure



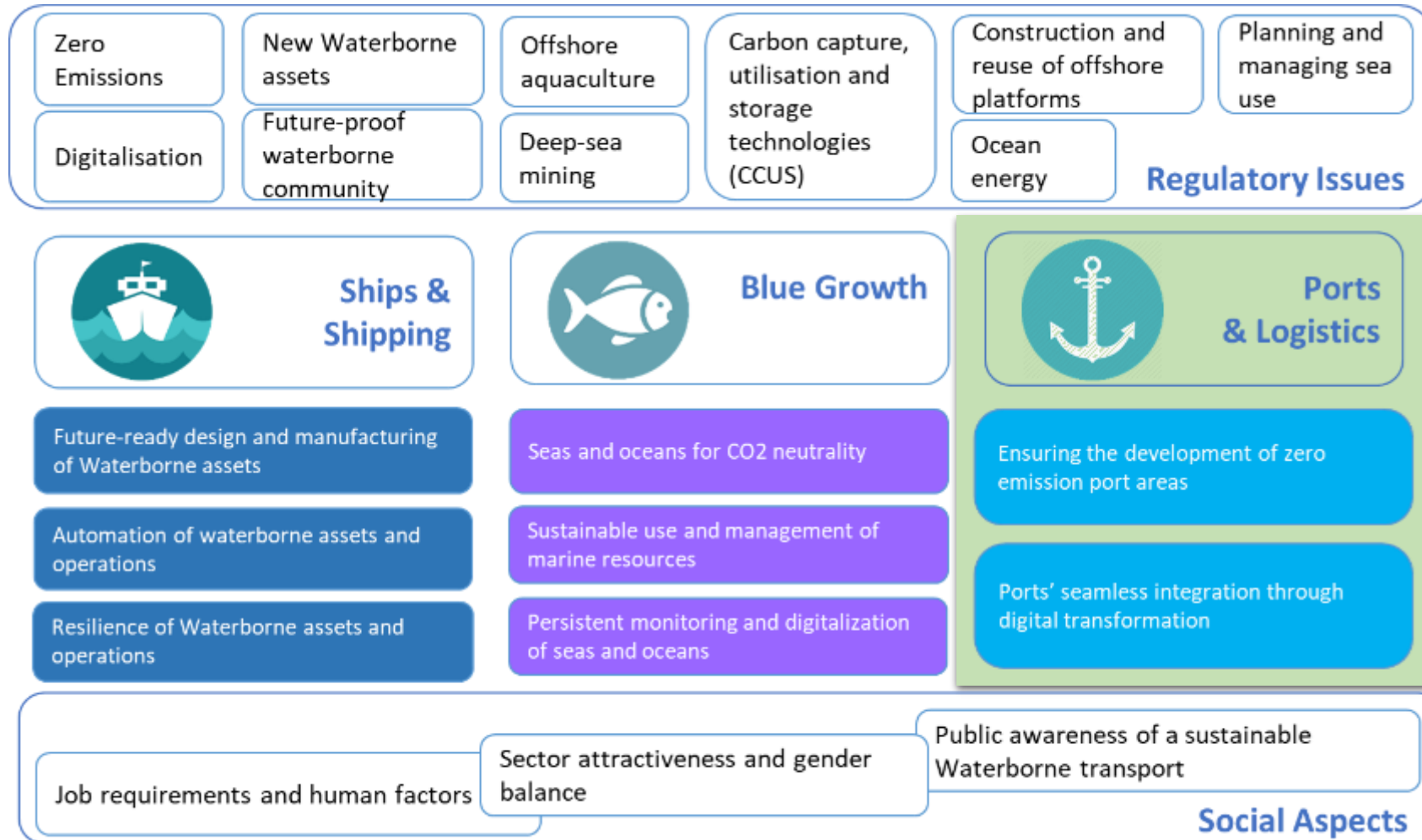


02

**SRIAs OF  
THE WATERBORNE SECTOR**



# Strategic Research and Innovation Agenda (SRIA) for the European Waterborne Sector – Global view

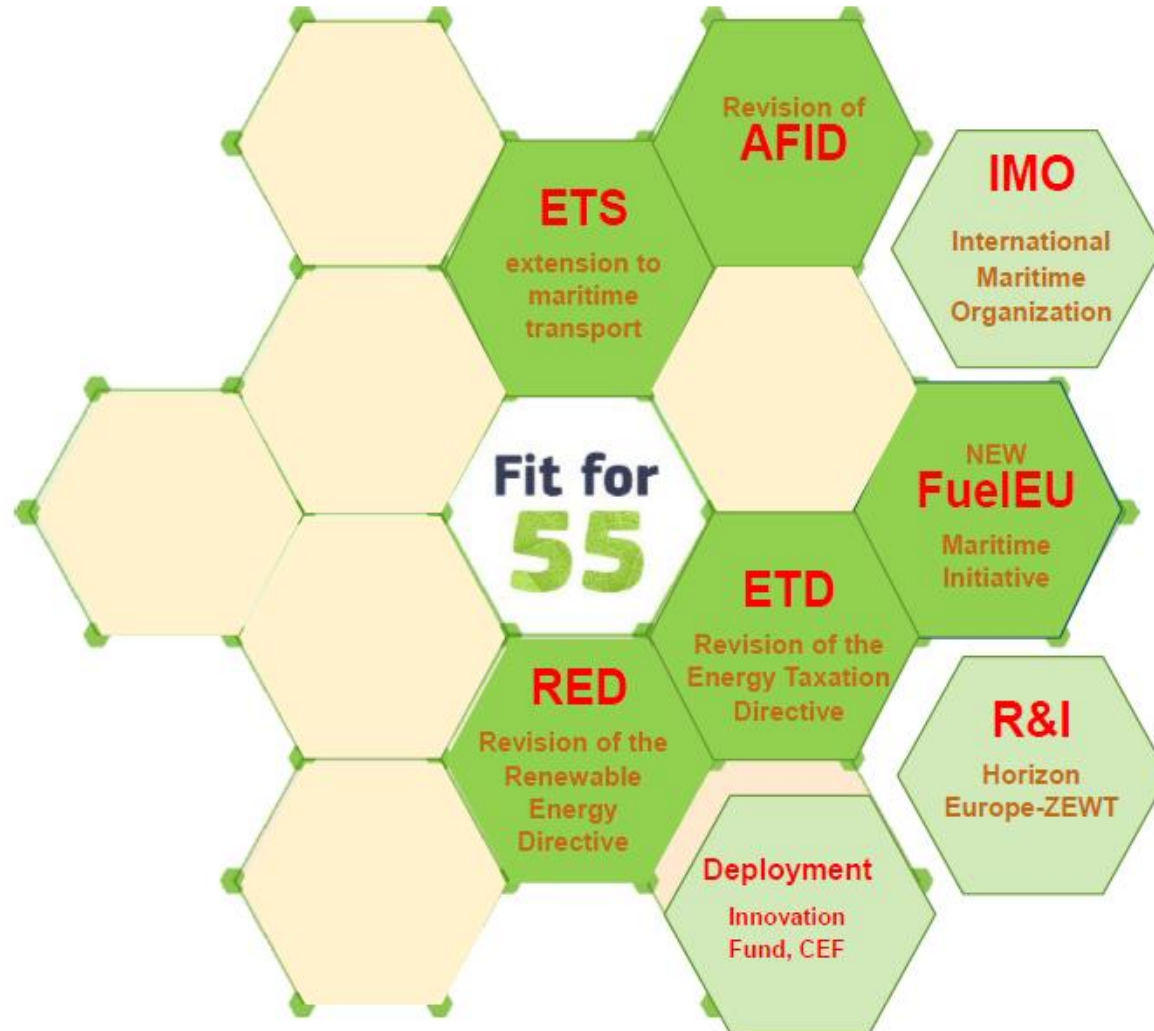




Partnership



# Decarbonising Waterborne Transport: “Basket of Measures”



**MARITIME**

**ZEWT= Zero Emission Waterborne Transport Partnership**

## What is an EU Partnership

- Collaboration between the EU and the Waterborne Association (crucial role of Member States and Associated Countries)
- Definition of roadmap for research, innovation, and technology development
- co-Programming of EU calls for research, including demonstration
- EU will run calls and projects in the normal way
- Spin-off: much more attention for maritime sector in other EU funds (Innovation Fund, CEF)
- Recognition of the importance of the sector (all actors in the waterborne transport ecosystem)



# Zero-emission waterborne transport partnership

*(Co programmed partnership, lead by Waterborne TP which mobilises a critical mass of over 100 partners, over €0.5 Bn EU funds leveraged 6 times with private investment to achieve zero-emission waterborne transport vessels)*

## Strategic Research and Innovation Agenda:

R&I to develop and demonstrate zero-emission solutions for all main ship types and services by 2030 which will enable zero-emission waterborne transport by 2050.

Eliminating **GHG emissions** from new ships and retrofitted existing ships by means of sustainable alternative climate-neutral fuels, renewable energies, electrification and energy efficiency.

**Cutting coastal and inland pollution to air** by at least 50% compared to current levels

**Elimination of pollution to water** (including harmful underwater noise) from ships

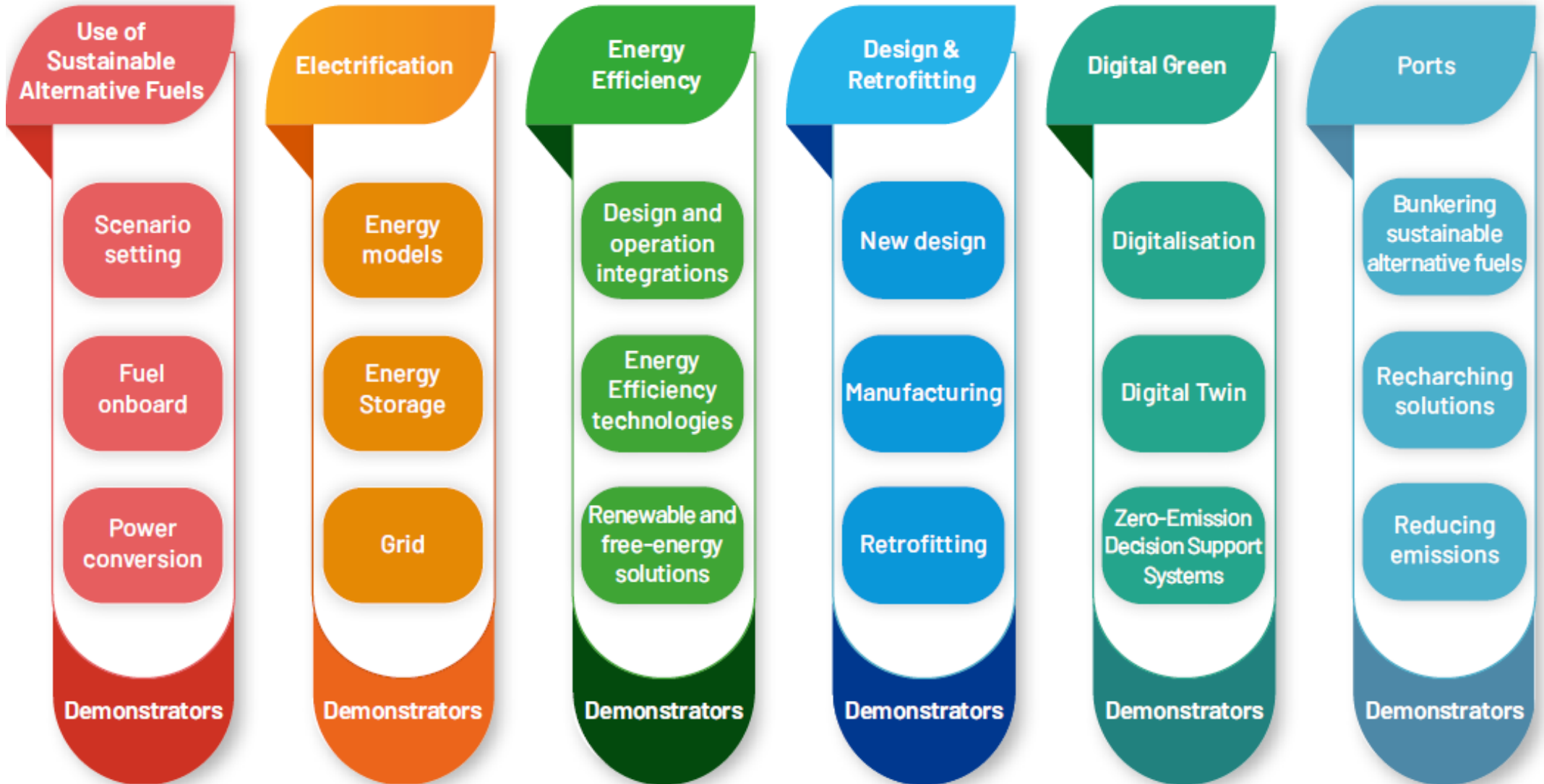


## Implementation pathways

- Simplification of fleet into 6 ship types
  - Long distance ships
  - Cruise ships
  - Ferries
  - Inland vessels
  - Short-sea ships
  - Offshore ships
- Distinction made in trade
  - Liner or tramp service
- Both newbuilt as well as retrofitting



## Activities



## Specific Economic Objective

### By 2030:

Implementation of economically viable **European new technologies** and concepts regarding zero-emission waterborne transport,

**to strengthen the competitiveness** of European industries in growing green ship technology markets and

provide the **capability to enter new markets**, presently dominated by Europe's competitors.

## Specific Societal Objectives

Facilitate **development of regulations and policies** at national and international level including the **development of standards** to enable the implementation of technological solutions for zero-emission waterborne transport.

Facilitate the **uptake** of innovative zero-emission waterborne transport technologies and solutions within the European waterborne transport sector supporting economic growth and **European employment**.



## Deployment

- Commitment of the waterborne transport sector;
- Standardisation;
- Rules and regulations;
- Legal certainty;
- Support for first movers:
  - Connecting Europe Facility;
  - Innovation Fund



03

TOPIC DEVELOPMENT



## Topic Development

- Based on SRIA for ZEWT;
- Bottom-up approach in Waterborne;
- Co-creation with European Commission Services
- Comitology in Programme Committee Horizon Europe, Cluster Climate, Energy and Mobility
- Topics 2021 / 2022 / 2023 developed, and tenders closed;
- Topics 2024: opening December 2023, topics for collaborative research

## Innovation Fund

- On 23 November 2023, two calls for proposals to accelerate the deployment of innovative technologies in Europe (€ 4.8 billion);
- €4 billion for projects in various sectors, including decarbonisation, clean tech manufacturing, maritime and energy-intensive industries. The application window will be open until early April 2024;
- The IF23 Auction aims to support renewable hydrogen production. A €800 million budget will be available for bidders until early February 2024.



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**Thank you!**

