



WATERBORNE

Waterborne Technology Platform





01

WHO ARE WE?

WVW



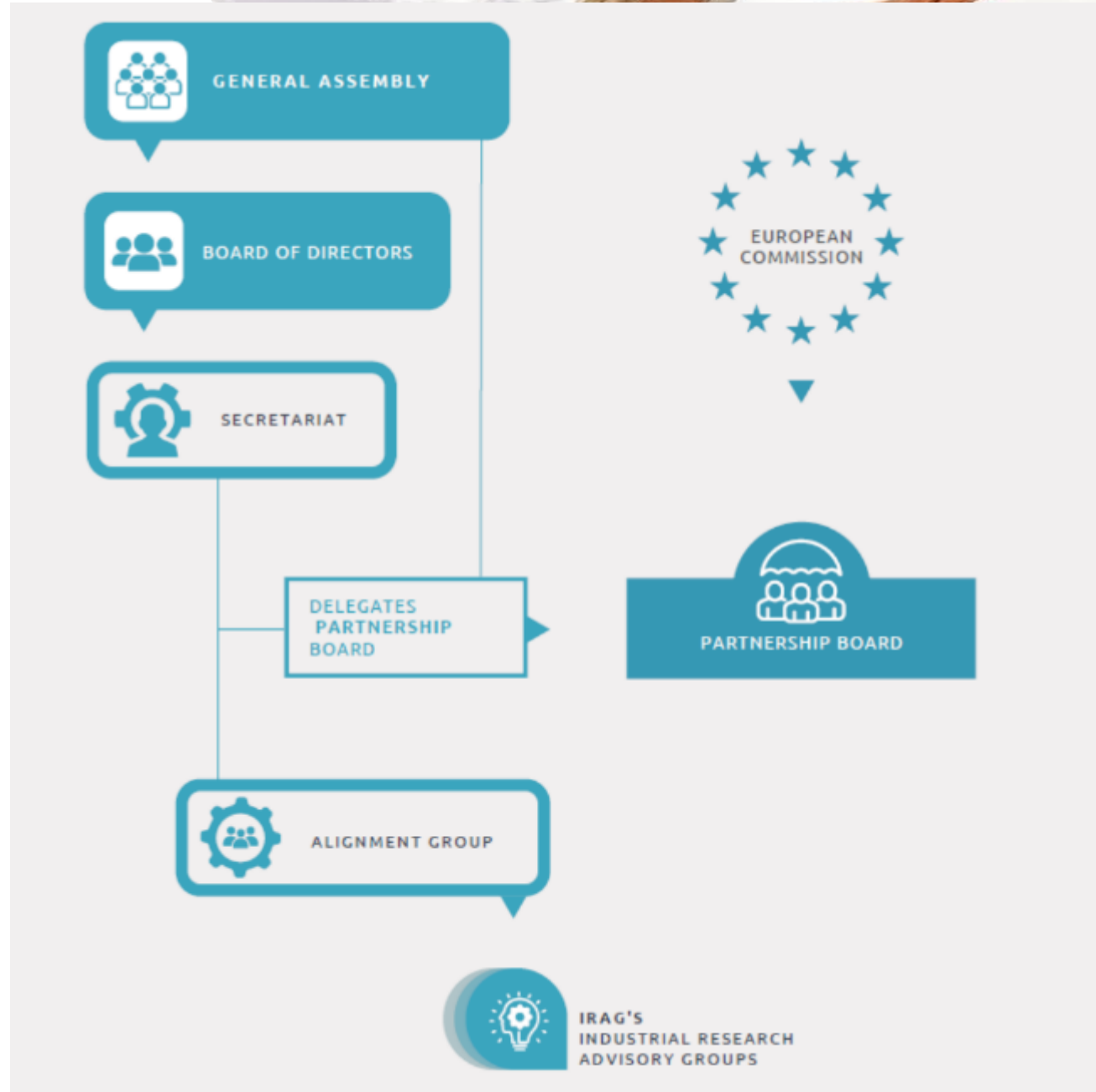
Waterborne TP Association

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 125 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



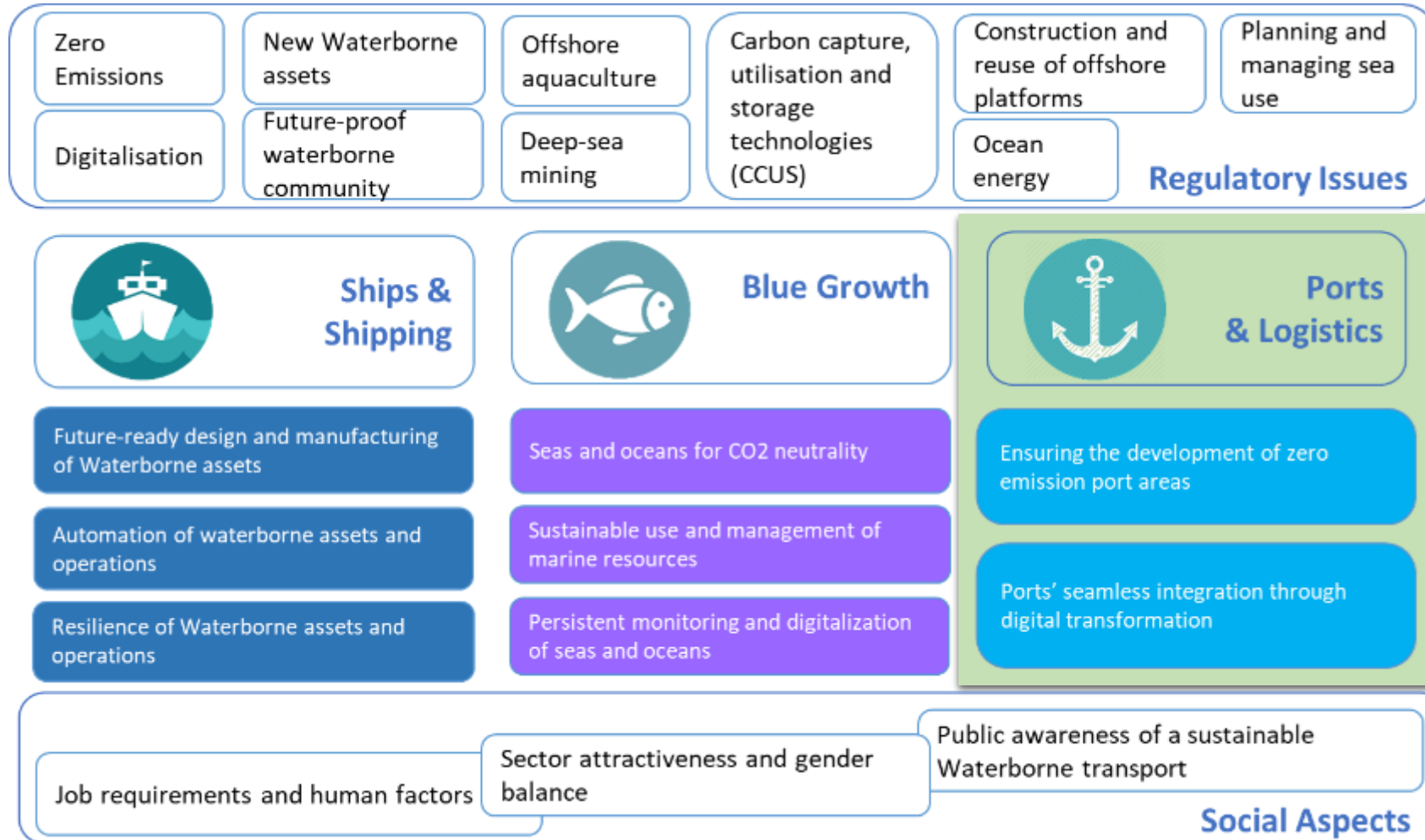


02

**SRIAs OF
THE WATERBORNE SECTOR**



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

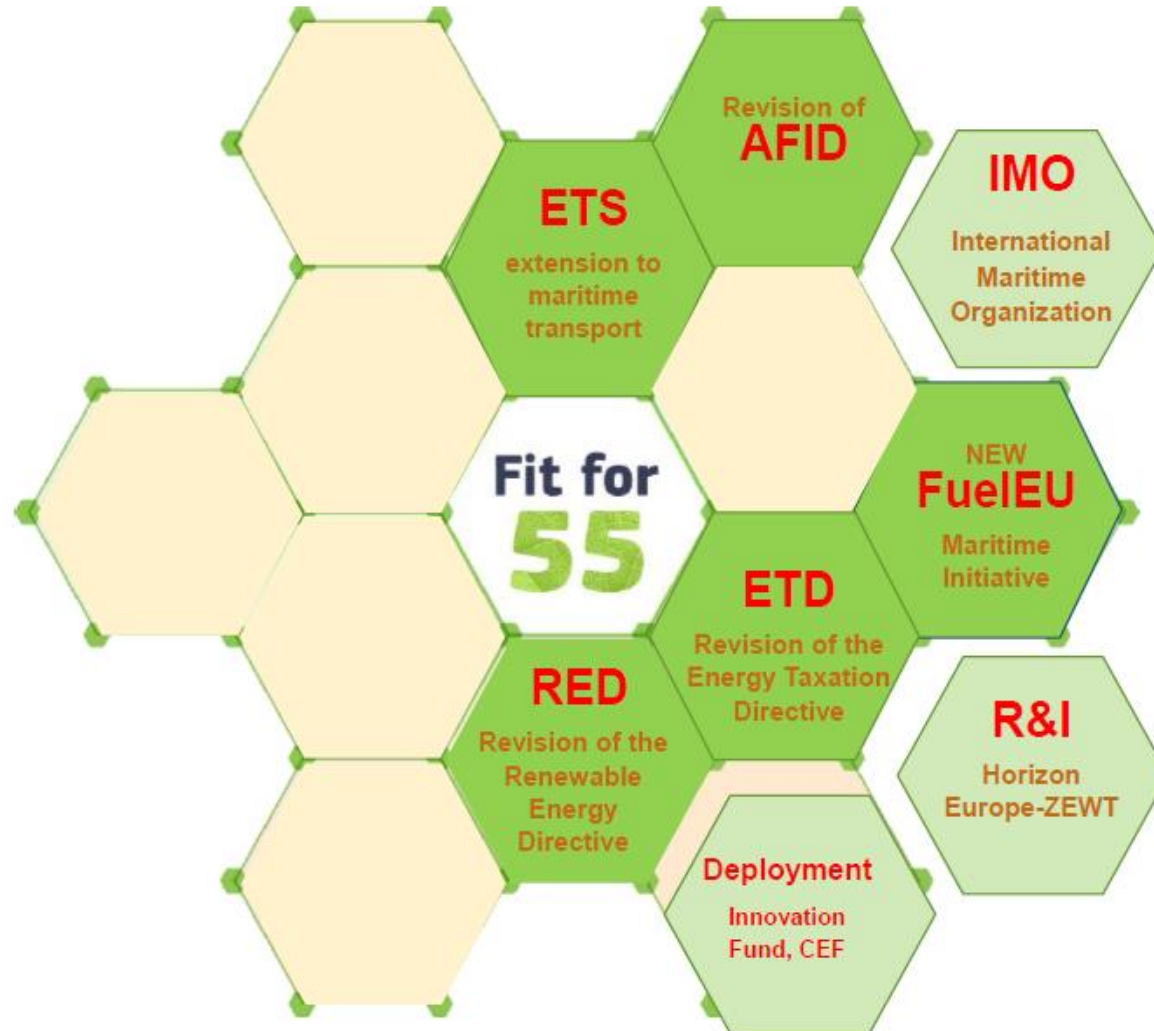




Partnership



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

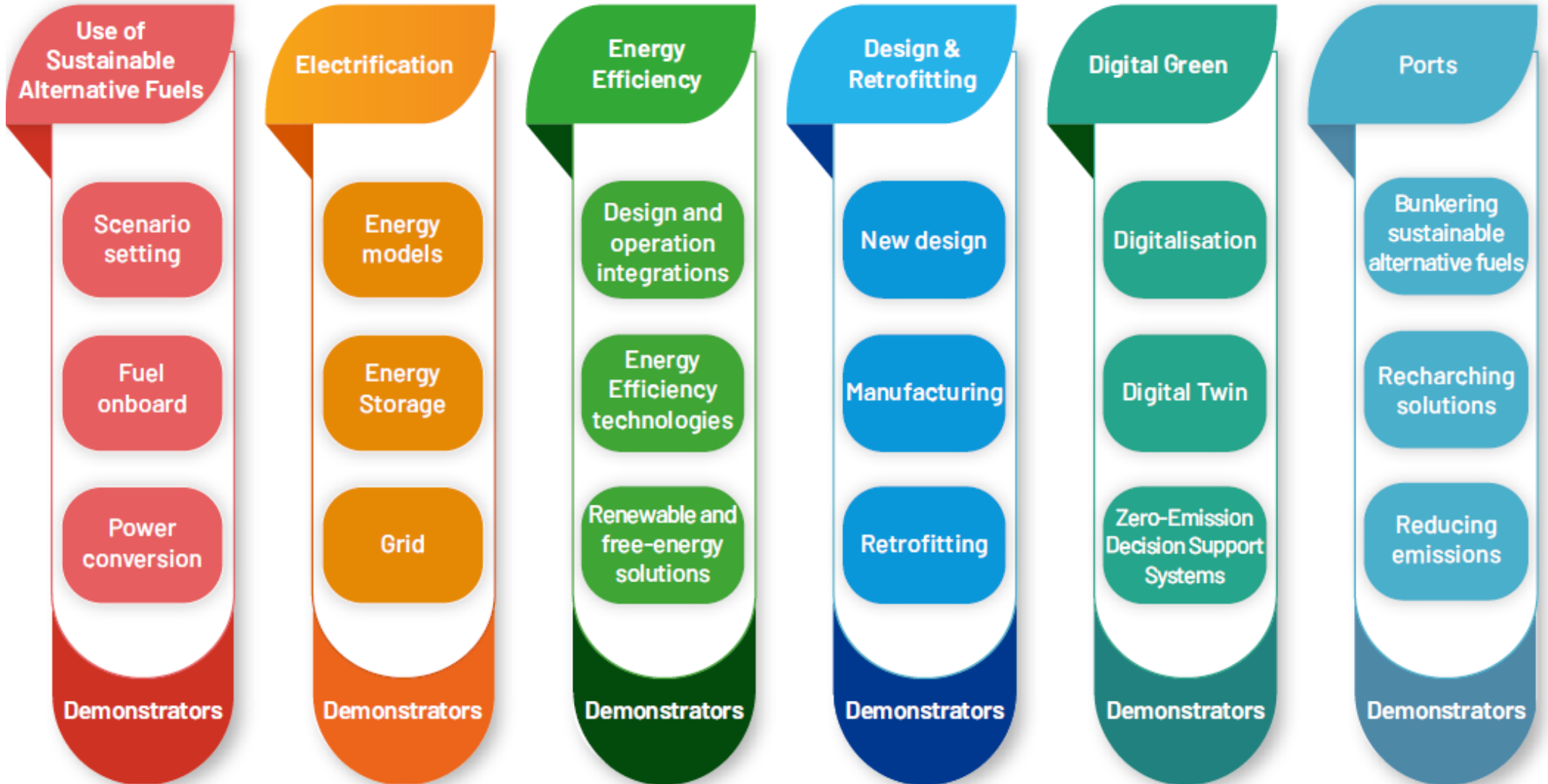


Implementation pathways

- 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 retrofiting



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

WVW



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

Open Call (EU Innovation Fund)

Innovation Fund

- Call for large scale projects opened 3 November
- **General decarbonisation** (budget: €1 billion) seeking innovative projects in renewable energy, energy-intensive industries, energy storage or carbon capture, use, and storage, as well as products substituting carbon-intensive ones (*notably low-carbon transport fuels, including for maritime and aviation*);
- **Innovative electrification in industry and hydrogen** (budget: €1 billion) seeking innovative projects in electrification methods to replace fossil fuel use in industry as well as renewable hydrogen production or hydrogen uptake in industry;
- **Clean tech manufacturing** (budget: €0.7 billion) seeking innovative projects in manufacturing of components as well as final equipment for electrolyzers and fuel cells, renewable energy, energy storage and heat pumps;
- **Mid-sized pilots** (budget: €0.3 billion) seeking highly innovative projects in disruptive or breakthrough technologies in deep decarbonisation in all eligible sectors of the Fund. Projects should prove the innovation in an operational environment but would not be expected to reach large-scale demonstration or commercial production.





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Thank you!

