



Waterborne Transport



HORIZON EUROPE

E-LASS

“EU support for future proof
waterborne transport and CINEAs
waterborne project portfolio”

Susanne Lanzerstorfer

CINEA Project Manager

Setting the Scene

13/09/2022 | 13:00 – 13:25

Online

European Climate,
Infrastructure and
Environment
Executive Agency

CINEA

In a nutshell



~ **58 billion** for the period
2021-2027



> **500 staff** by 2027

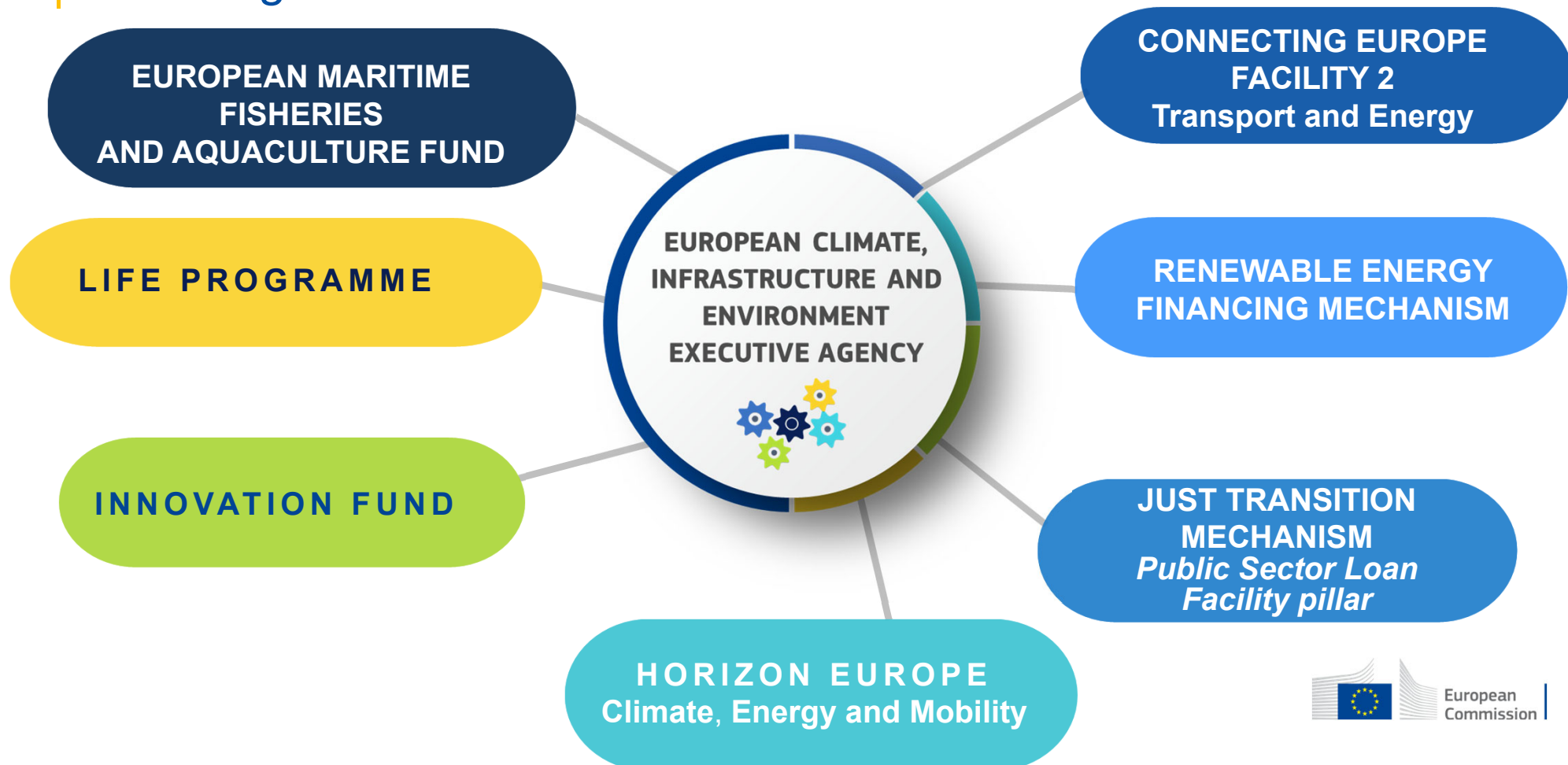


From 2800+ projects
managed in October 2021
to > **4500 projects** in 2027

- **Policy feedback** as an essential part of funding activities
- Expertise at the service **of beneficiaries** in managing the complete lifecycle of projects
- Exploitation of **synergies** and dynamic ways to work across programmes

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Our Programmes



Connecting Europe Facility (CEF2) and its waterborne perspective



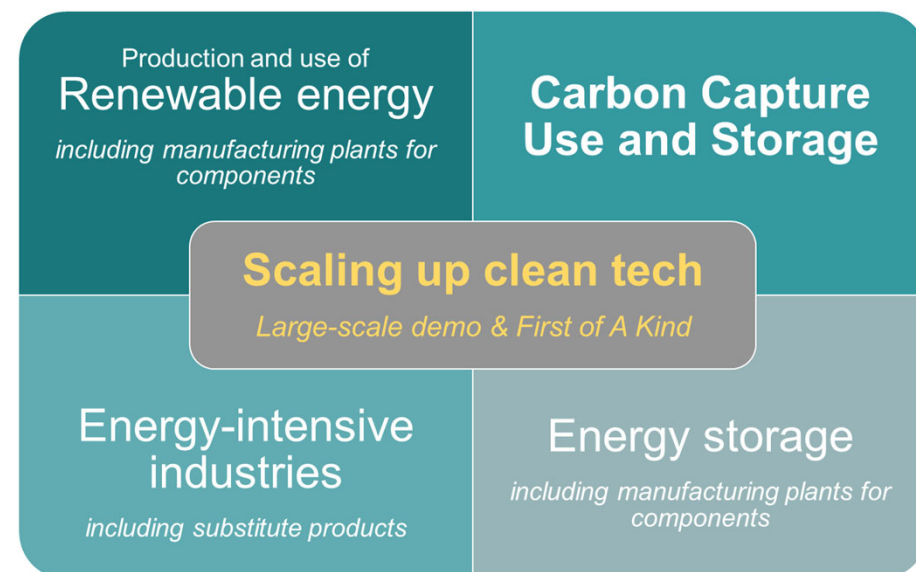
- **Alternative Fuels Infrastructure Facility:** Recharging/refuelling infrastructure; Maritime and IWW Vessels, LNG bunkering vessels
- **Motorways of the Sea:** Upgrade of port infrastructure, Facilitation of Short Sea Shipping through ICT platforms
- **Maritime and Inland Ports:** Facilitation of port access, Shore-side electricity supply, Rail/road connections within the port
- **European Maritime Single Window environment (EMSWe)**
- **Vessel Traffic Monitoring and Information Systems (VTMIS)**
- **River Information Services (RIS),** inland single window, inland port community systems

Innovation Fund

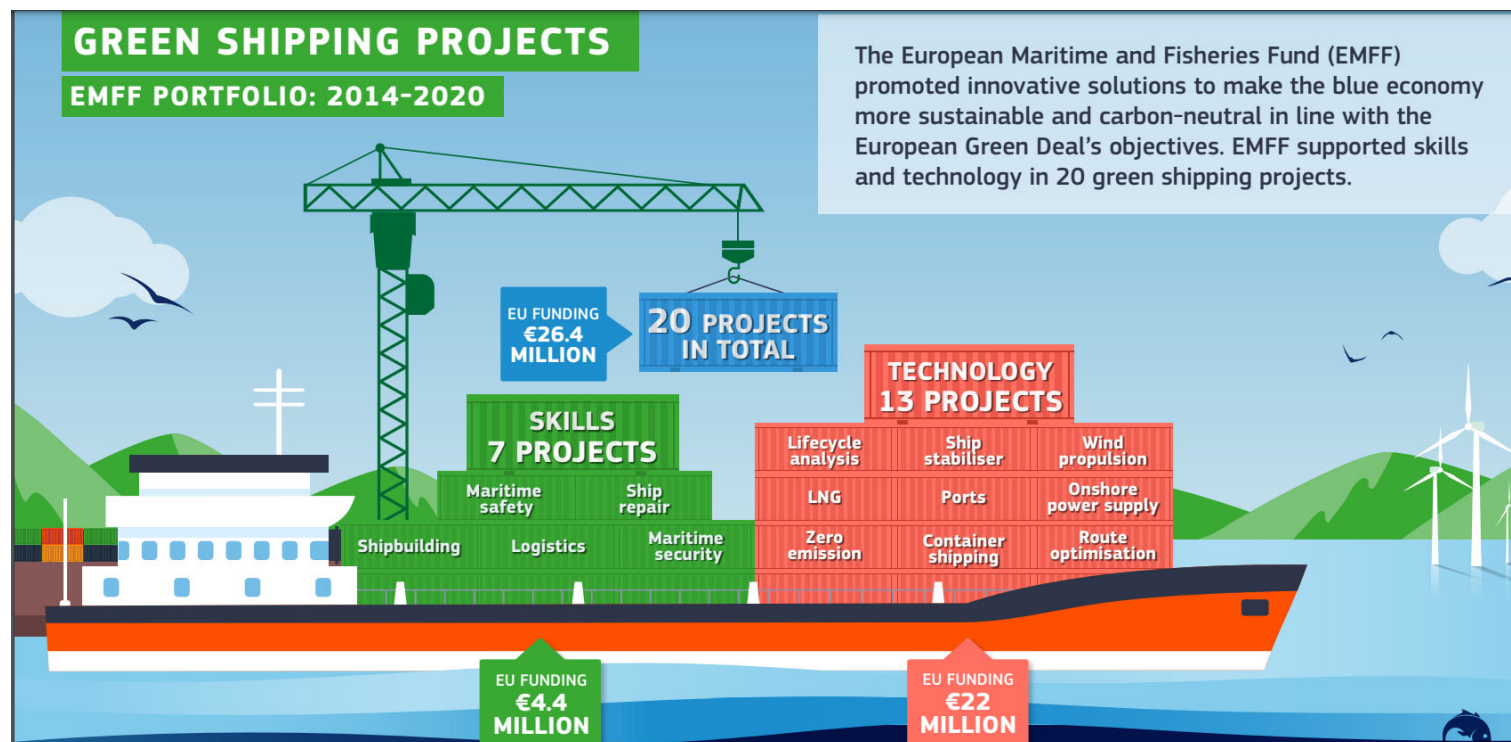
and its waterborne perspective



- The Innovation Fund will provide around EUR 38 billion of support from 2020 to 2030, depending on the carbon price, for the commercial demonstration **of innovative low-carbon technologies**, aiming to bring to the **market industrial solutions to decarbonise Europe** and support its transition to climate neutrality.
- CINEA currently manages **7 large-scale projects (total grants of around €1 billion)** and 30 small-scale projects (total grants of around €100 million).
- Example of eligible projects:
 - ships propelled by renewable energy (for example hydrogen or wind-assisted propulsion) and
 - ports meeting their energy needs by switching to renewable sources (for example port energy system based on photovoltaic solar energy).



European Maritime, Fisheries and Aquaculture Fund (EMFAF) and its waterborne perspective



EMFAF:

- Supports more sustainable **fishing and aquaculture** practices
- Supports the growth potential of the **blue economy**
- Protect **marine ecosystems**

Seabasin Strategies with a high interest on:

- Green shipping in the Western Mediterranean Region
- Ports in the Atlantic

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The H2020 Waterborne portfolio

H2020 WATERBORNE PORTFOLIO (2014-2021)

CINEA's Horizon 2020 waterborne portfolio covers projects funded via:

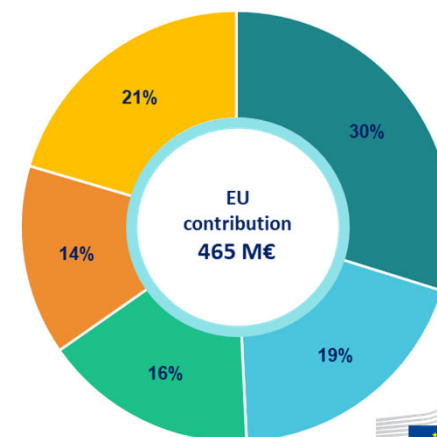
BLUE GROWTH
waterborne transport related topics

2020 GREEN DEAL CALL / AIRPORTS & PORTS TOPIC / PORTS SUBTOPIC

MOBILITY FOR GROWTH
waterborne transport topics (and related topics)

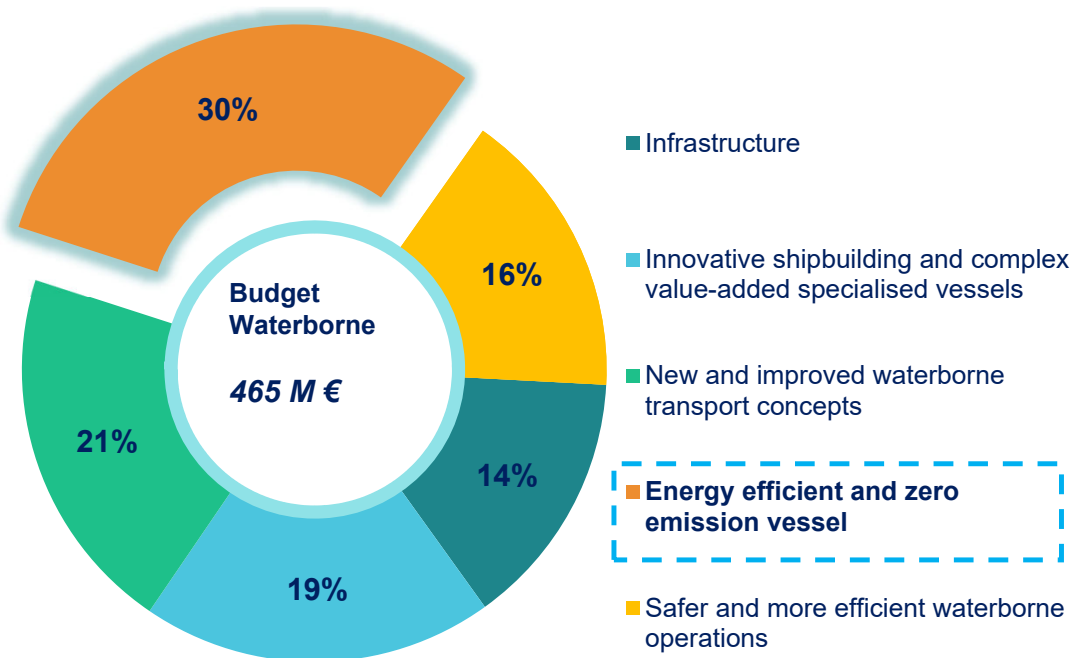


- Energy efficient and zero emission vessel
- Innovative shipbuilding and complex value-added specialised vessels
- Safer and more efficient waterborne operations
- Infrastructure
- New and improved waterborne transport concepts



H2020 Waterborne Portfolio (2014-2021)

The transformation towards zero-emission waterborne transport



✓ **18 projects**

✓ **139 M € H2020 EU Contribution**

✓ **295 beneficiaries**

H2020 Waterborne Portfolio (2014-2021)

The transformation towards zero-emission waterborne transport

Develop alternative technologies:

-engines:



-methanol:



-ammonia:



-LNG:



-wind power:



-hydrogen:



The transformation
towards zero-emission
waterborne transport

Quantify and assess the
impacts of shipping
emissions

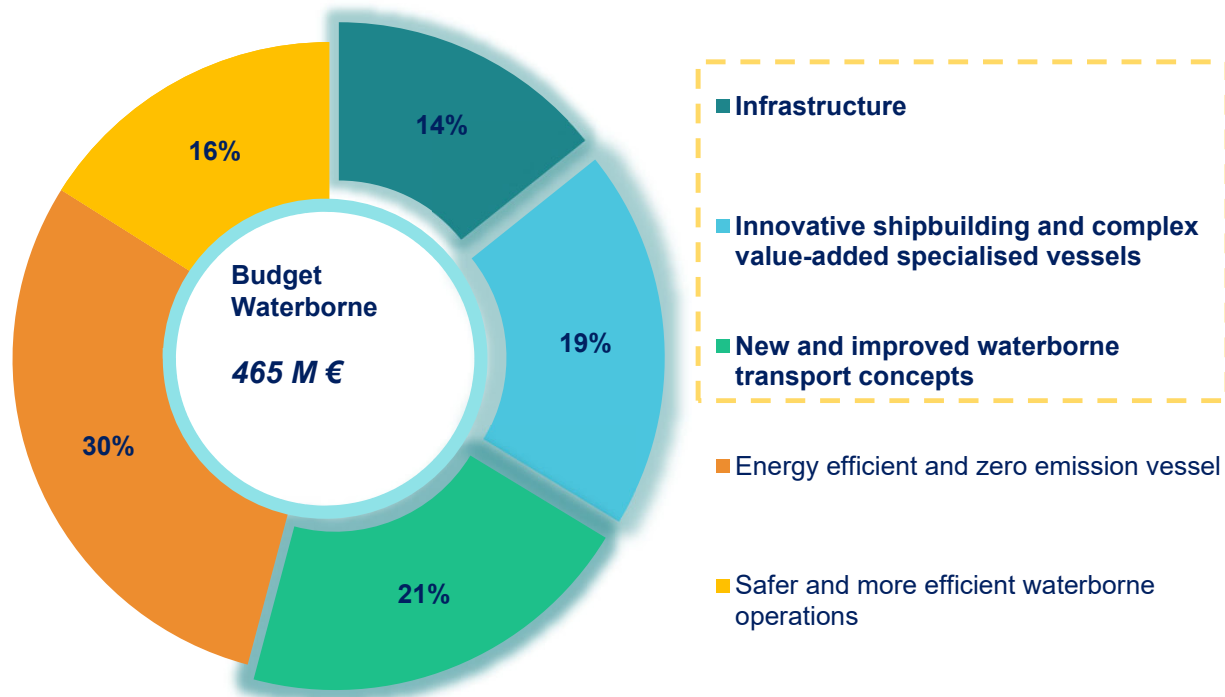


Inland Navigation support



H2020 Waterborne Portfolio (2014-2021)

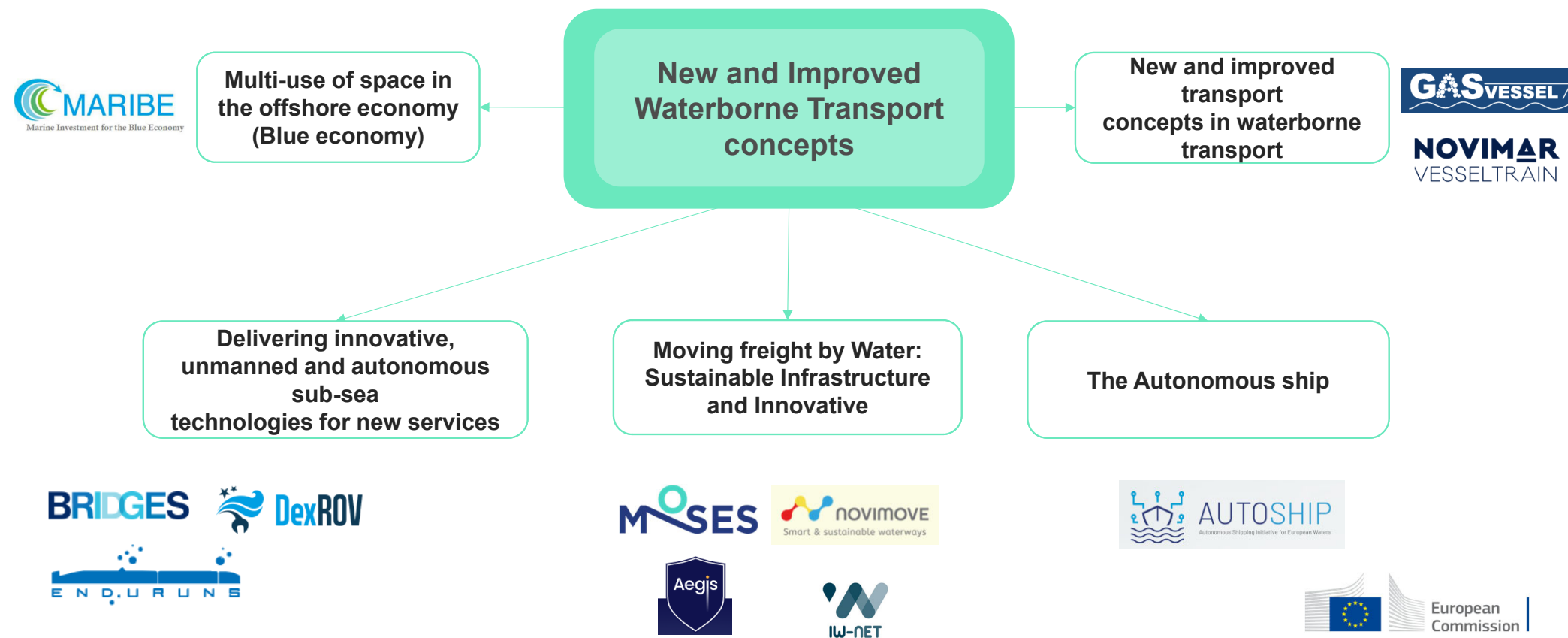
Competitive, Connected and Automated Waterborne Transport



✓ 29 projects
✓ 252 M€
✓ 475 beneficiaries

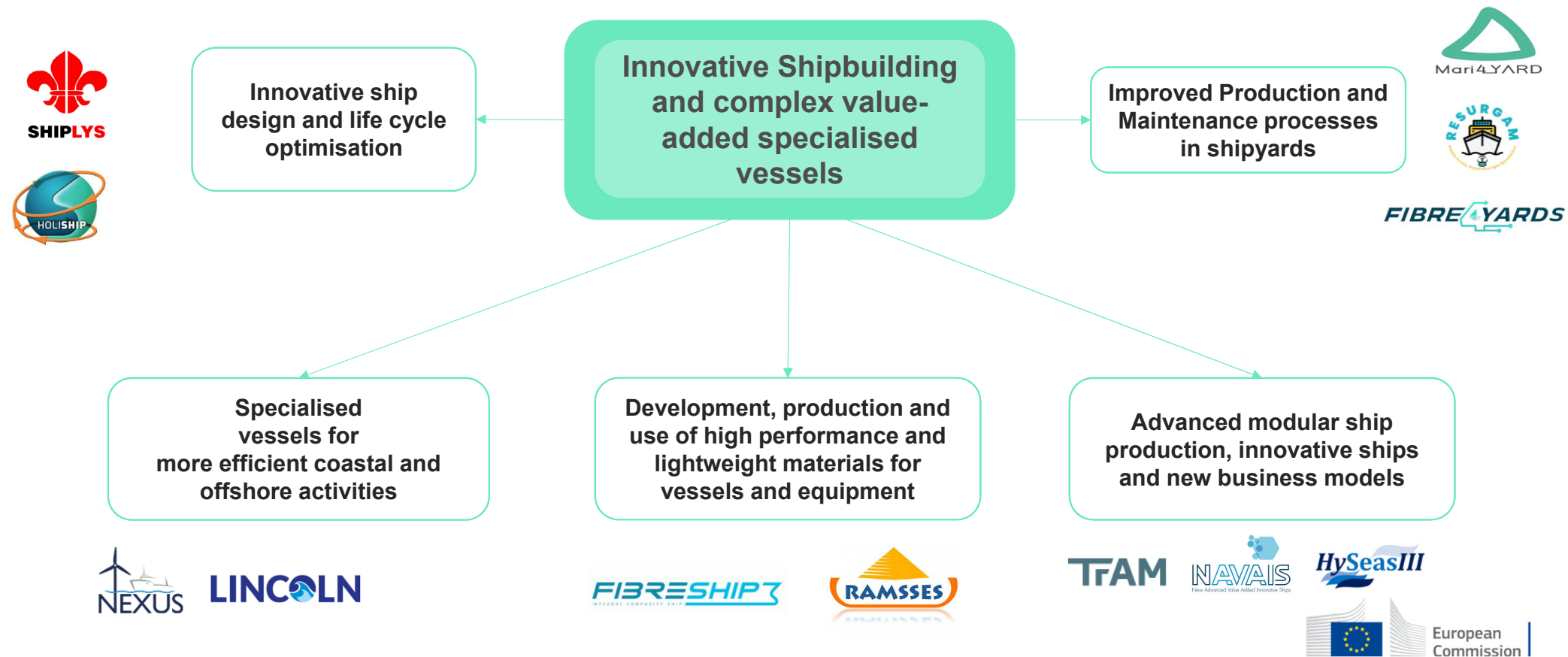
New and improved waterborne transport concepts

H2020 Waterborne Portfolio



Innovative Shipbuilding and complex value-added specialised vessels

H2020 Waterborne Portfolio



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Horizon Europe - state of play

- 4 Calls evaluated
 - 2021-D5 and 2022-D5 : Clean and competitive solutions for all transport modes
 - 2021-D6 and 2022-D6 : Safe, Resilient Transport and Smart Mobility services for passengers and goods
- 28 Projects signed or under Grant Agreement Preparation (€200M EU funding)
 - *Alternative fuels*
 - *Energy efficiency on-board*
 - *Electrification*
 - *Digitalisation*
 - *Safety*
- Work Programme 2023-2024 to be released by end of 2022. Transport call deadline in April 2023. Stay tuned!!



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Horizon Europe - state of play

- 4 Calls evaluated (15 waterborne related research topics)
 - 2021 and 2022 - D5: Clean and competitive solutions for all transport modes
 - 2021 and 2022 D6: Safe, Resilient Transport and Smart Mobility services for passengers and goods
- 28 Projects started or under Grant Agreement Preparation (200Mil EU funding)
 - *Alternative fuels*
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 - *Digitalisation*
 - *Safety*



- **Fighting climate change**
- **Make the energy and transport sectors more sustainable**

Strategic Policy Framework for Waterborne Transport:

To accelerate the transition towards zero emission waterborne transport, exploiting opportunities from digitalisation and increasing the competitiveness of the European Waterborne transport sector within global markets.

Forthcoming funding opportunities

Horizon Europe

- Work Programme 2023-2024 under finalisation
- Budget for waterborne: Expected 160mil
- Next Call:
 - Launch: **December 2022**
 - Deadline **April 2023**
- Areas covered
 - *Alternative carbon neutral fuels*
 - *Electrification*
 - *Digitalisation-Automation*
 - *Underwater noise abatement*
 - *New Business models for decarbonisation*

Innovation fund

Large Scale Demonstrators 2023

Launch: **November 2022**

Deadline: **March 2023**

Results: **Q3 2023**

Budget: expected EUR 3 bn

Small Scale Demonstrators 2023

Launch: **Q2 2023**

Deadline: **Q3 2023**

Results: **Q4 2023**

Budget: expected EUR
100 million

Forthcoming funding opportunities

CEF 2

Alternative Fuels Infrastructure Facility
(AFIF) Calls:

Areas covered:

Recharging/refuelling infrastructure
(electricity, H2 and LNG), Maritime and
IWW Vessels (electric and H2), LNG
bunkering vessels, LNG storage

Open Call with several submission
deadlines:

10 November 2022,

13 April 2023,

19 September 2023.

Budget: **€1,575 billion**

EMFAF

Blue careers and Regional flagships
call:

Launch: **October 2022**

Deadline: **April 2023**

Budget: **€13 mil**

INFODAY on 24th November 2022:
Blue careers and Regional flagships
call





“The European Green Deal is not only about emissions. It is about boosting innovation. It is about modern mobility.

The European Green Deal is our new growth strategy.”

Speech by President von der Leyen in the Plenary of the European Parliament at the debate on the European Green Deal (11 December 2019)

Keep in touch - CINEA



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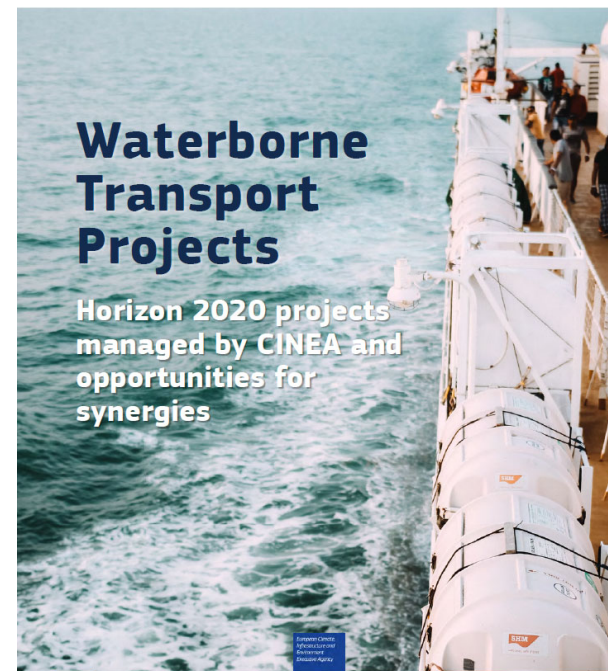


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and Environment Executive Agency](#)



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Slide 19

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put your contact here

MIALOCQ Gabriel (CINEA); 12-09-2022

Thank you



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