



Waterborne Transport



HORIZON EUROPE

“EU support for future-proof
waterborne transport: the
implementation of the Waterborne
portfolio by CINEA”

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Head of Sector C.3 Clean Transport Industry CINEA

06/09/2022 | 16:30 – 16:45

SMM 2022 Fair, Hamburg

The European Climate Infrastructure and Environment Executive Agency (CINEA)



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



> **500 staff** by 2027

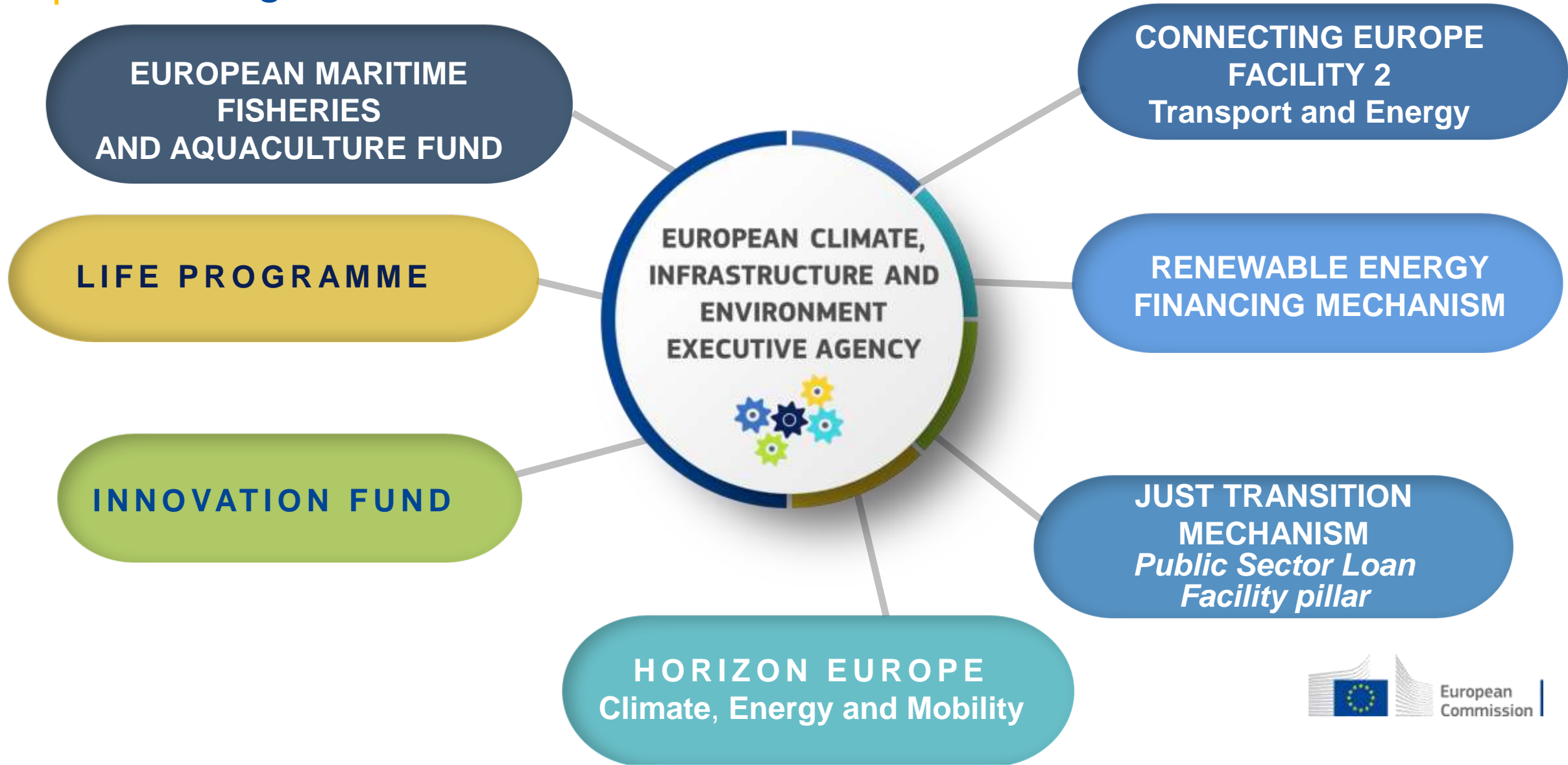


From 2800+ projects
managed in October 2021
to > **4500 projects** in 2027

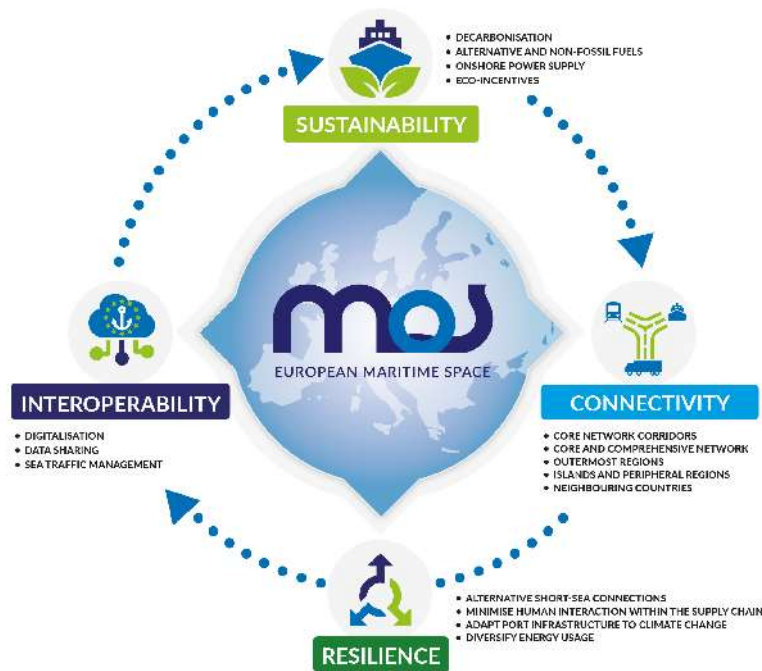
- **Policy feedback** as an essential part of funding activities
- Expertise at the service of **beneficiaries** in managing the complete lifecycle of projects
- Exploitation of **synergies** and dynamic ways to work across programmes

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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, energy bunkering vessels (electricity; H2...). Open call (1,5bn€) with several cut of dates (next November 2022)
- **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

Connecting Europe Facility (CEF2) and its waterborne perspective (examples)



Sustainability: Zero Emission Ferries

(2014-EU-TM-0489-S)

Total Costs: € 27,744,253

EU contribution: € 13,150,000

Beneficiaries: Denmark & Sweden

- Replaced the marine gas oil fuelled propulsion systems of two RoPax ships with pure electricity power provision, in the ports of Helsingør and Helsingborg
- Provided the On-shore Power Supply (OPS) facilities in the corresponding ports



Interoperability/Data sharing: Sea Traffic Management (STM) Validation Project

(2014-EU-TM-0206-S)

Total Costs: € 40,485,244

EU contribution: € 19,826,809

Beneficiaries: Sweden, United Kingdom, Ireland & Spain

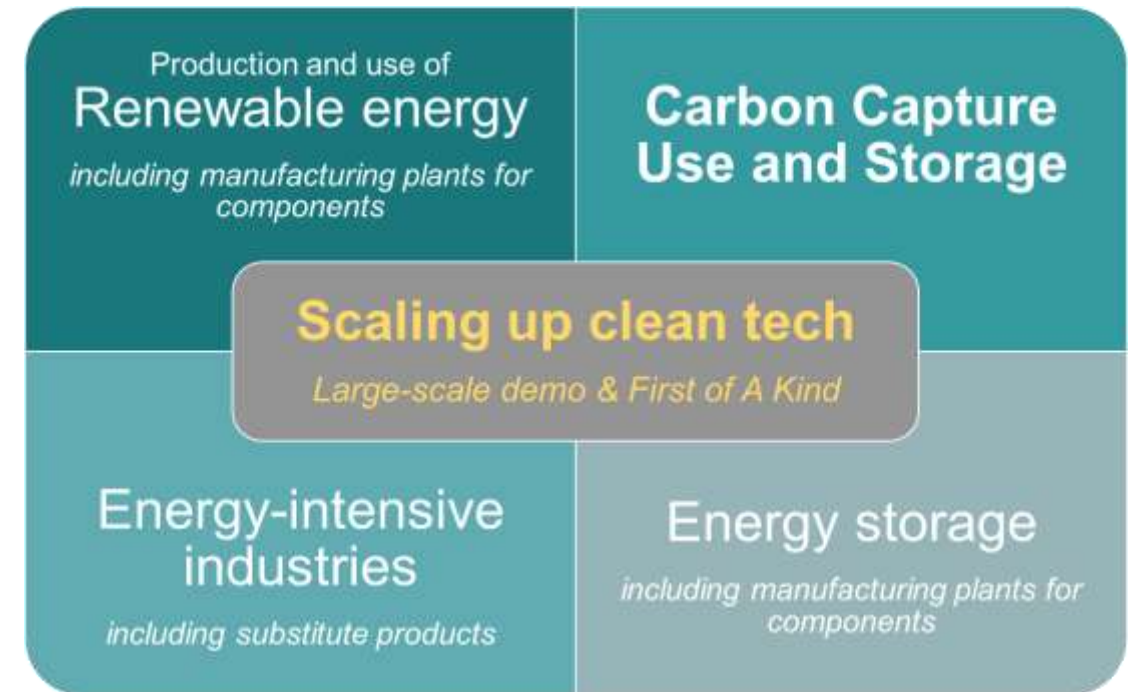
- Established large-scale test beds for a new Sea Traffic Management concept in the Nordic region and in the Mediterranean Sea with the participation of 311 ships, 12 ports and 12 simulator centers
- Validated a Voyage & Flow management and Port Collaborative Decision Making concept, improving situational awareness and operation and increasing operational safety



Innovation Fund and its waterborne perspective



- The Innovation Fund will provide around EUR 38 billion of support from 2020 to 2030 (at EUR 75 / tCO₂), 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).
- Relevant project examples:
 - FIRSTBIO2SHIPPING - production of the Bio-LNG for the shipping industry in Netherlands
 - GREENMOTRIL - development and operation of a GREEN energy community in the port of Motril, Spain



Innovation Fund calls 2022-2023

- 2 calls per year: 1 large scale call (LSC) and 1 small scale call (SSC)
- Calls available on EC Funding and tender opportunities portal <https://europa.eu/!QB67by>
- Further info, planning of new calls, recorded webinars and videos available on the Innovation Fund Website: <https://europa.eu/!rx34Dt>

2022 LSC

Launch: November 2022
Deadline: March 2023
Results: Q3 2023
Budget: expected EUR 3 bn

2022 SSC

Launch: Q2 2023
Deadline: Q3 2023
Results: Q4 2023
Budget: expected EUR 100 million

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



Project: Airseas

- Wind propulsion
- Ship stabiliser

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



Project: Bound4Blue

- Onshore Power Supply
- Retrofit fuel

In Maritime transport, EMFAF supports Seabasin Strategies with a high interest on:

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

14 waterborne related projects funded for a total €24M in 12 EU countries

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The H2020 Waterborne portfolio

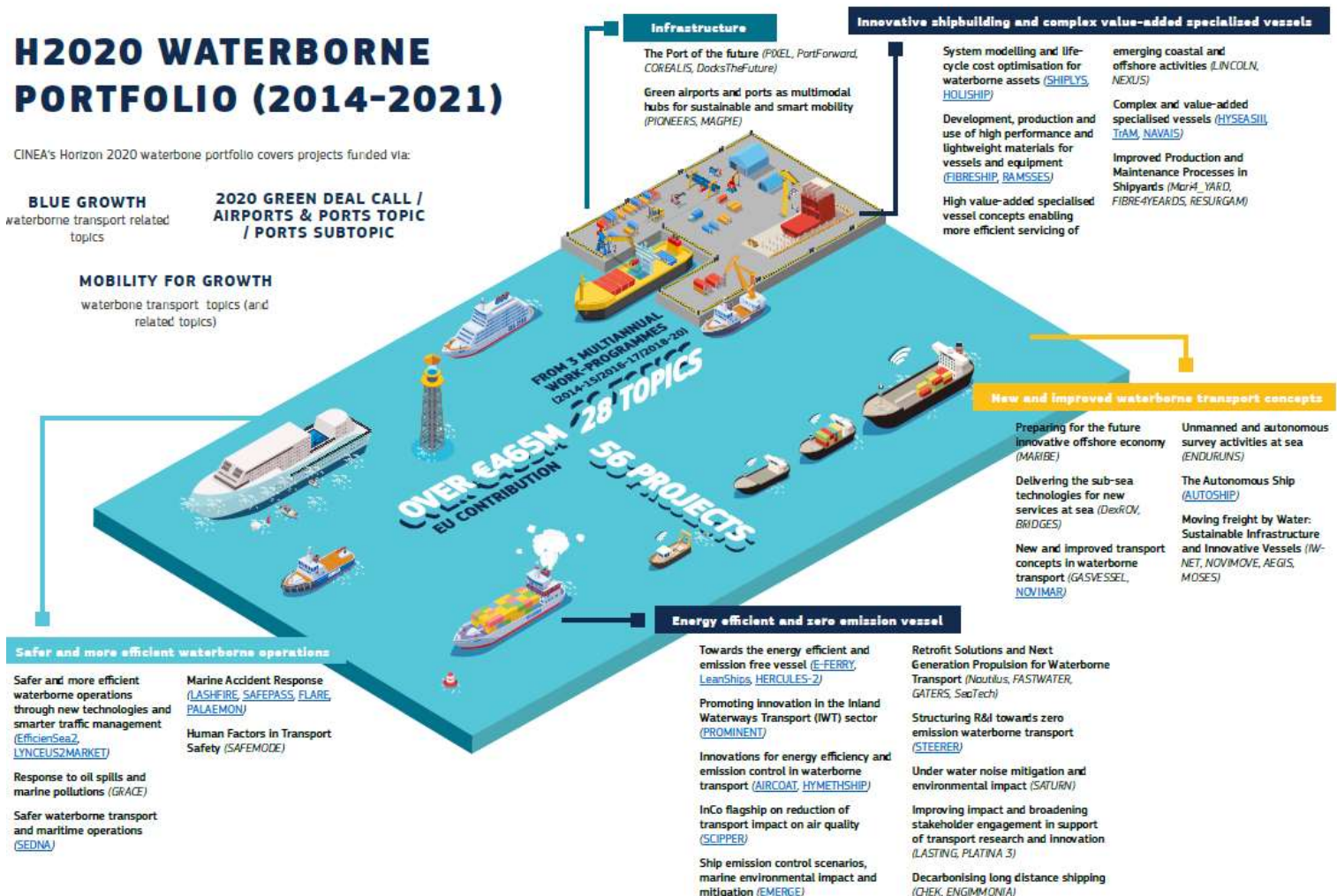
H2020 WATERBORNE PORTFOLIO (2014-2021)

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

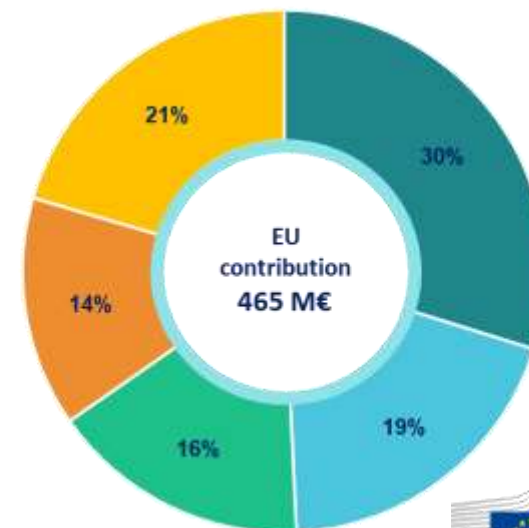
BLUE GROWTH
waterborne transport related topics

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



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Some projects

The E-ferry

Full electric ferry saving 4000 tCO₂/year



TRAM project

Full electric fast ferry just won the “ship of the year” award!





- 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!!



“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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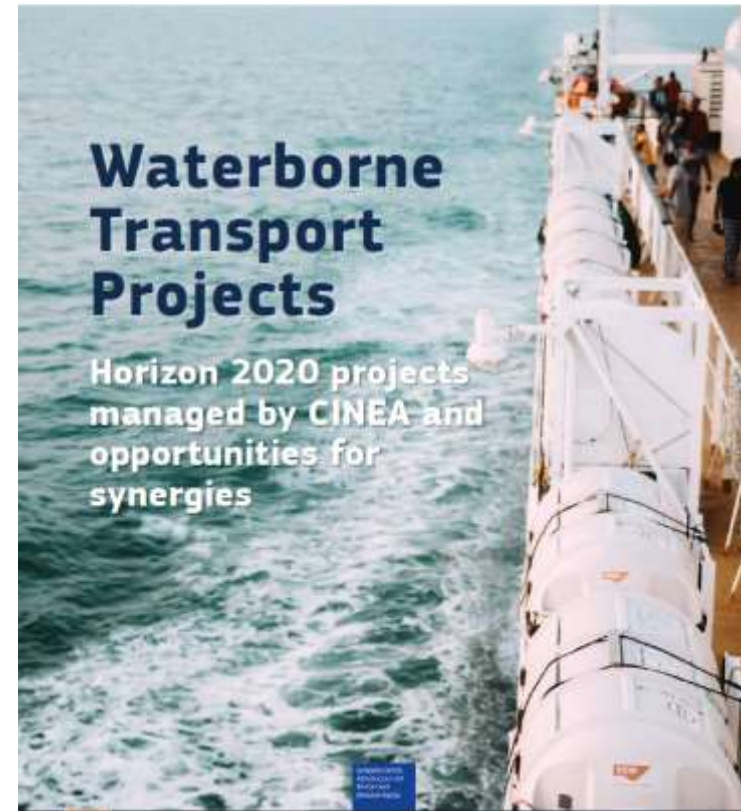


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Thank you



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