



# Waterborne Transport



# HORIZON EUROPE

## Workshop:

“Horizon 2020 Research and Innovation delivering smart, green, safe and competitive waterborne transport”

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*Head of Sector Waterborne - CINEA*

*The transformation towards zero-emission waterborne transport*

*Overview of the projects in the portfolio*

07/02/2022 | 10:10—11:40

# Zero emission waterborne transport

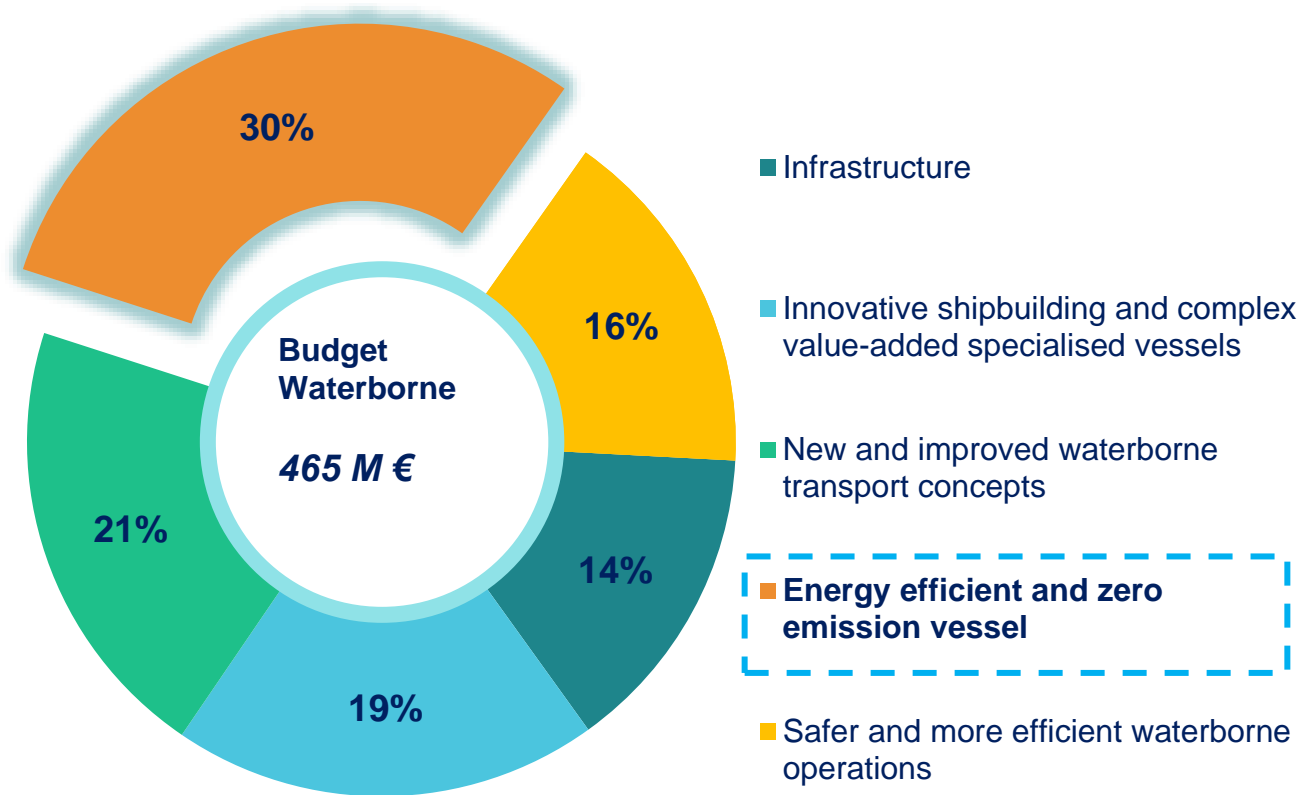
*Key challenges addressed under Horizon 2020*

Energy Storage  
emission control  
Renewable  
energy  
Wind power  
Fuel cells  
Energy Conversion  
fuel  
Synthetic  
Air pollution  
engineering  
decarbonise  
Wave power

- To develop innovative solutions to decarbonise shipping
- To improve the competitiveness of European maritime industries and shipping companies in relation with green shipping
- To create wide spread awareness and "buy in" of stakeholders towards zero-emission shipping
- To better understand impact of the vessels through monitoring detection and modelling of emissions
- To provide technical evidence to assess gaps in current regulation of vessels and air quality

# 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



# Keep in touch - CINEA



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Gabriel Mialocq

# Thank you



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