H2020 projects and upcoming topics on emission reduction in maritime transport

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INEA – Transport research unit

• *Waterborne transport – including maritime transport, inland navigation and Blue Growth projects*
• 23 projects from H2020 programme
• *Over € 250 million EU funding*
ENERGY EFFICIENT AND EMISSION FREE VESSEL – FROM COMPONENT TO VESSEL DEPLOYMENT

- HERCULES-2
- LEANSHIPS
- E-FERRY

Fuel flexible, near-zero emission, adaptive performance marine engine
Efficient, less polluting new/retrofitted vessels with end users’ requirements
The first mid-size 100% electric ferry

**Technology readiness levels (TRL)**

- **TRL 1-2**: Principles and formulation
- **TRL 3-4**: Proof of concept and validation
- **TRL 5-6**: Validation in real environment
- **TRL 7-8**: Prototype demonstration and completion
- **TRL 9**: Proven and operational
Project information

HERCULES-2
http://www.hercules-2.com/

LEANSHIPS
https://www.leanships-project.eu/home/

E-FERRY
http://e-ferryproject.eu/
H2020 – upcoming funding opportunities

- **LC-MG-1-8-2019**: Retrofit solutions and next generation propulsion for waterborne transport – budget € 23 Million, opening 05/09/2018, closing 16/01/2019
  

- **MG-BG-02-2019**: Ship emission control scenarios, marine environmental impact and mitigation – budget € 8 Million, opening 04/12/2018, closing 24/04/2019
  

- **LC-SC3-RES-23-2019**: Development of next generation biofuel and alternative renewable fuel technologies for aviation and shipping – budget € 20 Million, opening 07/05/2019, closing 27/08/2019
  
H2020 eligible countries

- EU Member States + Territories linked to the Member States (Aruba, Bermuda etc.)

- H2020 associated countries

- 3rd countries – any other country can participate, but without EU funding
  http://ec.europa.eu/research/participants/docs/h2020-funding-guide/cross-cutting-issues/international-cooperation_en.htm

- Special international cooperation topics – must be indicated in the work programme
How to participate?

• Partner search tool
http://ec.europa.eu/research/participants/portal/desktop/en/organisations/partner_search.html

• Waterborne platform
https://www.waterborne.eu/
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