



**Trond Johnsen, SINTEF Ocean** 

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**BEYOND 2023** 

S S Centre for Research-based Innovation

www.smartmaritime.no

The Research Council of Norway





## Norwegian R&D Centre for Zero-Emission Shipping







## Smart Maritime R&D centre

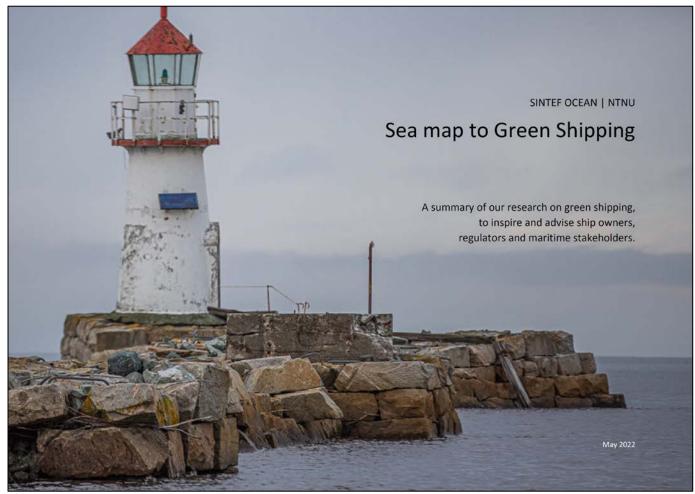
- Private funded centre project
- Main goal: Driver for R&D towards
  Zero-Emission Shipping
- 3-years strategy for scope and activities
- Managed by SINTEF Ocean with support from NTNU







## Smart Maritime sea map to green shipping





DDA comprehensive review of<br/>technology, alternative fuels as well as<br/>the thinking behind and methodology<br/>for decarbonizing shipping.







## **Proposal – Financing**

- Annual fee:
  - 50-100 KNOK for large companies
  - 25 KNOK for SMEs/organisations/public actors
- Conditions for withdrawal as today (6 months notice)
- SINTEF/NTNU inkind contribution (500-1000KNOK/year)
- RCN support for dissemination/arrangements (250-500KNOK/year)
- Total budget around 3 MNOK/year





FME MARTIVE ENERGY TRANSITION

