



WHEN TRUST MATTERS



### Nordic Roadmap project overview

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## The Nordic commitment

- Declaration on Zero Emission Shipping by 2050 (COP26, November 2021)
- Clydebank Declaration for green shipping corridors (COP26, November 2021)
- Ministerial Declaration on zero emission shipping routes between the Nordic countries (May 2022)
- Solution Statement by the Nordic Prime Ministers on a Sustainable Ocean Economy and the Green Transition (August 2022)

+ The 2023 IMO Strategy on Reduction of GHG Emissions from Ships



## What is a green shipping corridor?

### **Clydebank Declaration (COP26):**

"Green shipping corridors are zero-emission maritime routes between two (or more) ports"



### Nordic collaboration coordinated by DNV and funded by the Nordic Council of Ministers

### **Overall aim:**

Reduce key barriers to implementation and establish a common roadmap for the whole Nordic region and logistics ecosystem towards zero-emission shipping.

### **Objectives:**

- Gain technical knowledge and regulatory development
- Establish a Nordic collaboration platform and green shipping corridor pilot studies
- Develop a Nordic fuel transition roadmap

# The Nordic roadmap project (2022-2025)





Eirill Bachmann Mehammer



**Nordic Council** 

of Ministers

Endresen Project

Øyvind

Task Leader Collaboration Platform & Pilots

Manager

### More than 50 partners

### Nordic Council of Ministers



We are welcoming more partners! For more information, visit the project website:

#### https://futurefuelsnordic.com/





### Ten technical deliverables to date





Reports available at: https://futurefuelsnordic.com/project-deliverables/



## Key highlights from our deliverables





## 3 key bottlenecks for fuel uptake



Barriers identified	Actions to overcome barriers
<ul> <li>Cost remains a significant challenge</li> </ul>	<ul> <li>Cost- and risk-sharing mechanisms such as procurement policies, green financing, and Contract for Difference (CfD)</li> </ul>
<ul> <li>Lack of fuel availability and bunkering infrastructure</li> </ul>	<ul> <li>Creating a common Nordic playground:</li> <li>Unified approach to matters relating to alternative maritime fuels safety</li> </ul>
<ul> <li>Lack of safety requirements onboard and on shore for ammonia and hydrogen, limiting early uptake</li> </ul>	<ul> <li>Promoting green fuel infrastructure</li> <li>Building a market for green cargo transport, with standardized GHG emission accountability</li> </ul>



## Focus for the rest of the Nordic Roadmap project



### **Green shipping corridor pilot studies**

- Ongoing work to establish 3 pilot studies (techno-economic feasibility studies)
  - Public-private collaboration with high visibility
  - Network of contributing partners
  - Pilot owner decides the scope of the pilot study
  - Pilot facilitator financed through Nordic roadmap

### Expected outcome of each pilot study

- Established partnership
- Assessed specific corridor and relevant fuels
- Identifying critical bottlenecks
- Preparing the ground for a real-life corridor



## **Nordic Fuel Transition Roadmap**

Aims to **accelerate** the uptake of green fuels

- Assumes that the fuel transition follows an S-curve
- Details **stakeholder actions** to overcome barriers
- Identifies green shipping corridors as key enablers for acceleration

Critical for success to get **input** from all players in the maritime value chain



The S-curve can describe the market development of many new technologies, including up-take of LNG and battery powered ships

## **Conferences & Events**



- <u>Kick-off Conference</u> in Oslo, 15 November 2022
- Conference in Helsinki, 3 May 2023
- Workshop in Reykjavik, 3 October 2023
- <u>Webinar</u>, 8 November 2023, 09.00-11.00 (CET)
- Workshop in Gothenburg, 11 April 2024 SAVE THE DATE!
- Conference in Denmark, autumn 2024



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