



WHEN TRUST MATTERS

Closing remarks and summary from the project

Eirill Bachmann Mehammer, Senior Consultant, DNV

Task Lead, Piloting & Nordic Collaboration Platform

3 December 2024

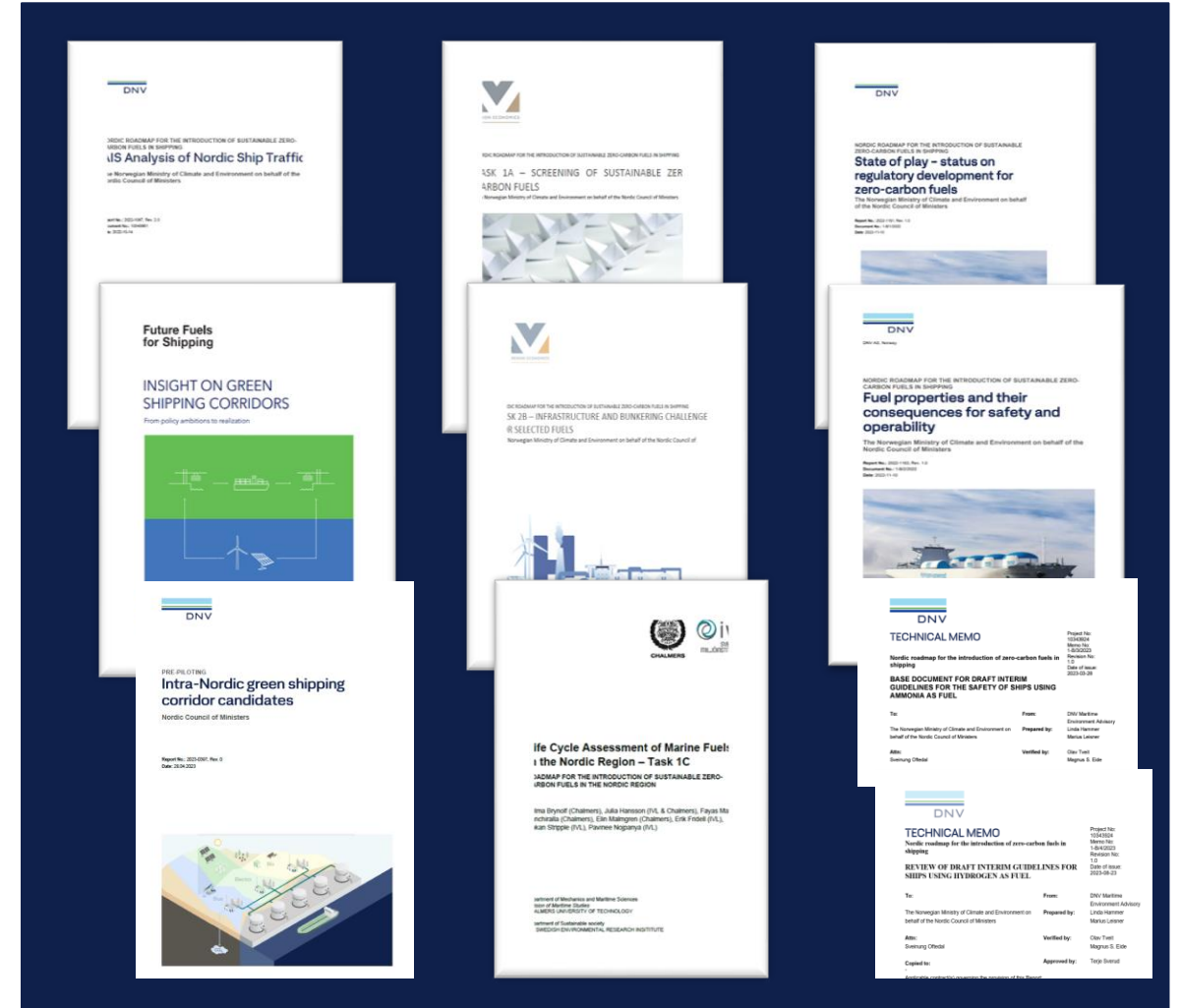


The Nordic Roadmap project (2022-2025)

Nordic collaboration with 70 partners coordinated by DNV and funded by the Nordic Council of Ministers

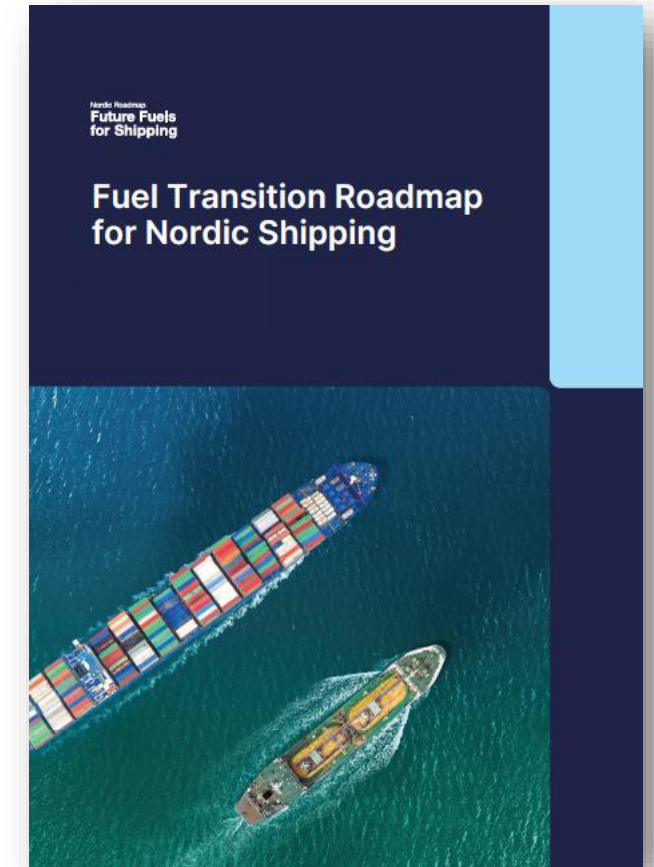
Objectives:

- Gain **technical knowledge** and regulatory development
 - Establish a **Nordic collaboration platform** and **green shipping corridor pilot studies**
 - Develop a **Nordic fuel transition roadmap**
-
- Fuels in focus: ammonia, hydrogen and methanol
 - 10 technical deliverables to date
 - 3 ongoing green shipping corridor pilot studies



The Fuel Transition Roadmap for Nordic Shipping

- Responds to the **Nordic government commitments** for decarbonisation of shipping and IMO ambitions
- **Unified** fuel transition strategy with a **strong focus on safety**
- To **accelerate the fuel transition** in Nordic shipping, we have:
 - Identified **3 key barriers** to the uptake of zero-emissions fuels
 - Provided **20 specific actions** to overcome the key barriers
 - Highlighted that **Nordic governments** have key roles to play



Download the full report here:
<https://futurefuelsnordic.com/>



Contact persons:



Eirill Bachmann
Mehammer

Task Leader
Collaboration
Platform & Pilots



Øyvind
Endresen

Project
Manager

The Nordic collaboration platform

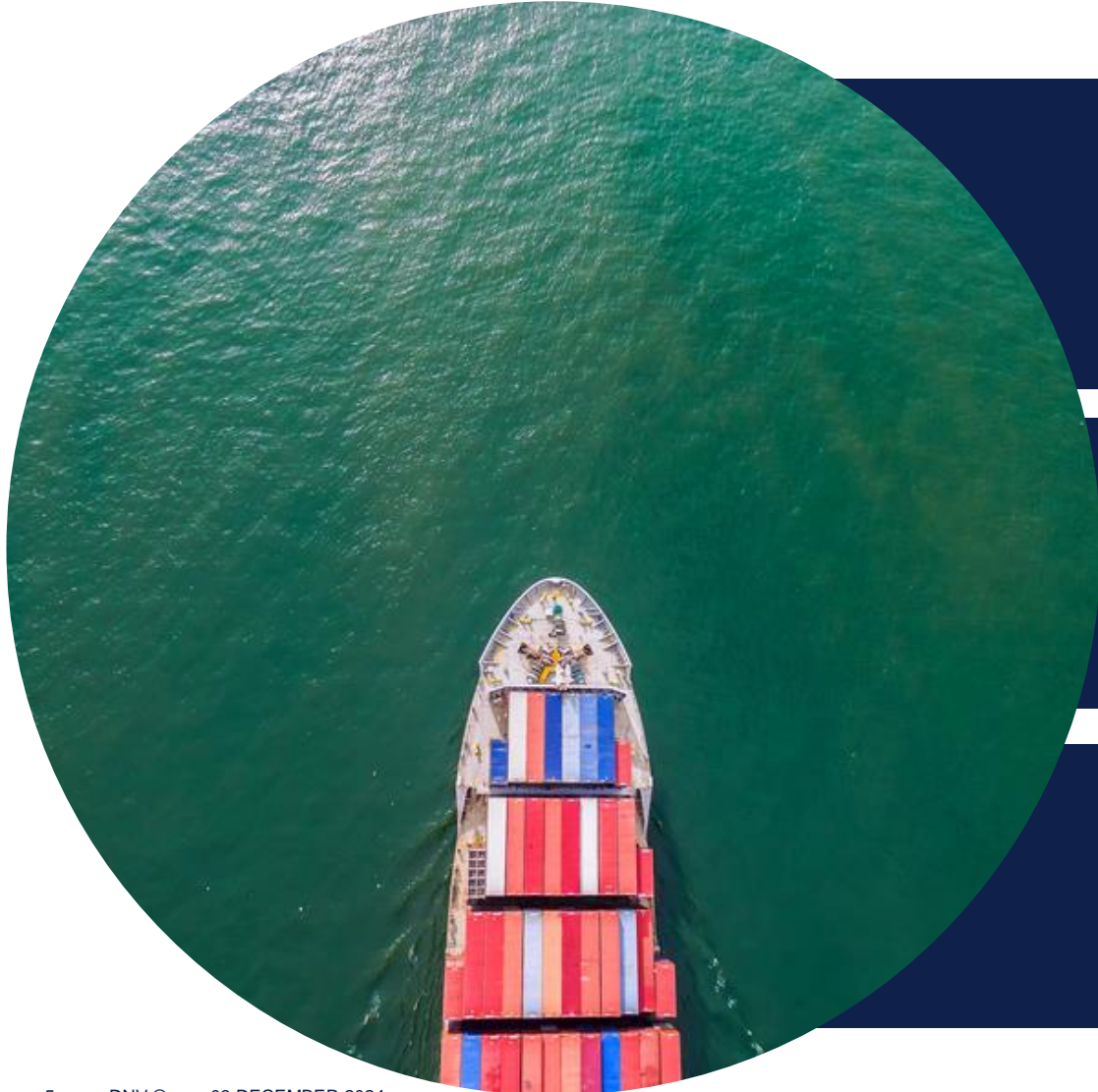


- Events, deliverables, and website
- Follow-up of the pilot studies
- Input to the Roadmap

Visit the project website:
<https://futurefuelsnordic.com/>



Experiences from green shipping corridor pilot studies



Esbjerg – Immingham

Fuel: Ammonia

Pilot owner: CIP (HØST PtX)

Gothenburg – Frederikshavn

Fuel: Methanol vs biofuels and electricity

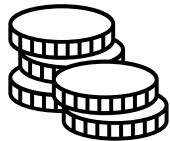
Pilot owner: Stena Line

Oslo – Rotterdam

Fuel: Hydrogen

Pilot owner: Port of Oslo

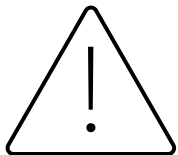
Overcoming the three key barriers hindering the uptake of zero-emission fuels



Demand and costs



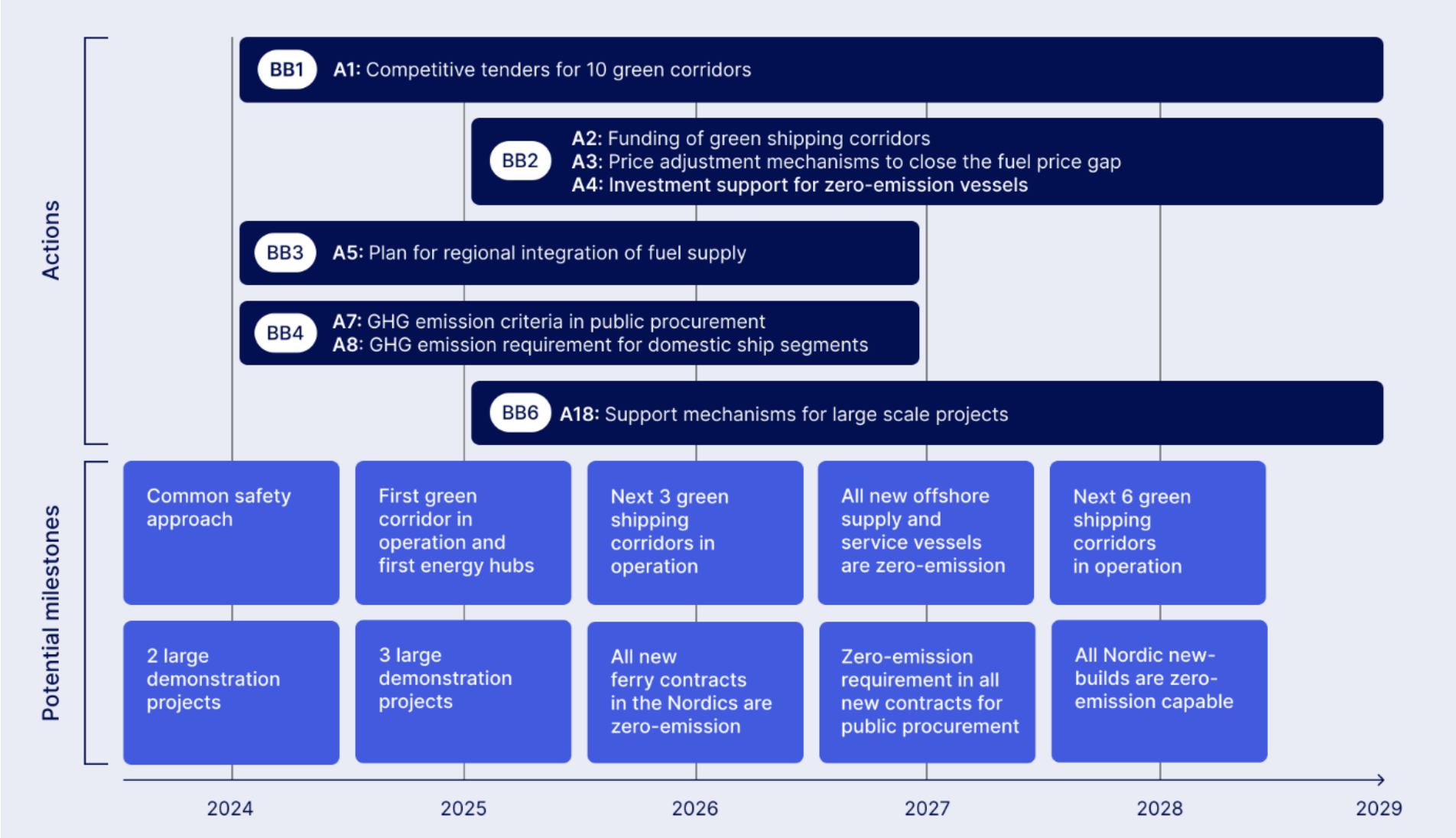
Fuel availability



Technology and safety

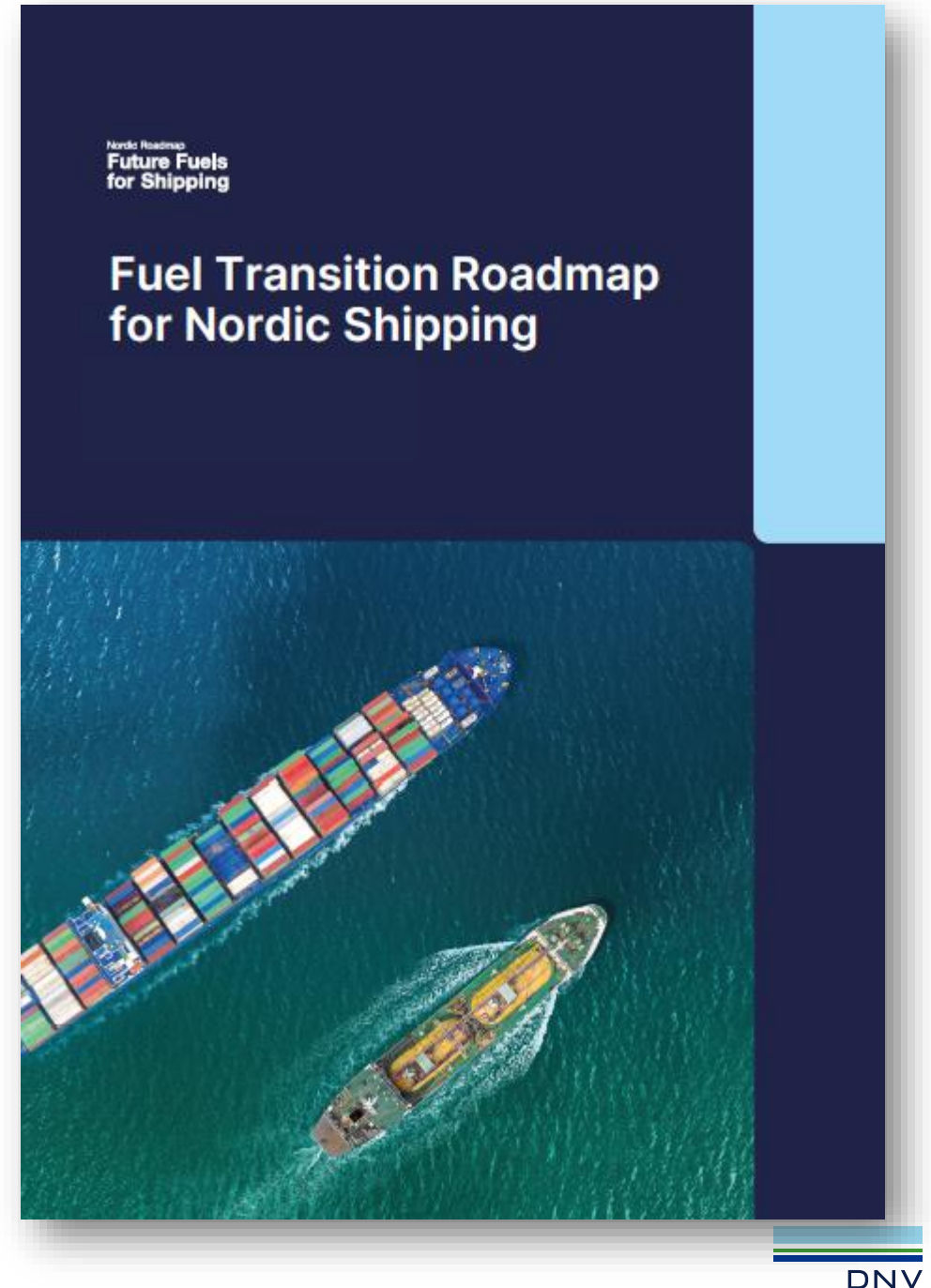
Source: DNV – Nordic Roadmap project, <https://futurefuelsnordic.com/>
DNV (2022), Insight paper on green shipping corridors, <https://futurefuelsnordic.com/insight-paper-on-green-shipping-corridors>

Critical actions and potential milestones towards 2030



Next step: Implementation

- We urge Nordic governments to **implement the actions** identified, including:
 - Contribute to closing the cost gap
 - Set up competitive tenders for green corridors
- The actions will **provide confidence** for the industry to invest in zero-emission vessels, and the needed fuel infrastructure
- By leading the way, the Nordics can benefit from **value creation** and boosted exports, *and* play a **key role** in the global fuel transition



Thank you!

Eirill Bachmann Mehammer, Senior Consultant, DNV
Task Lead, Piloting and Nordic Collaboration Platform

Eirill.Bachmann.Mehammer@dnv.com

www.dnv.com