

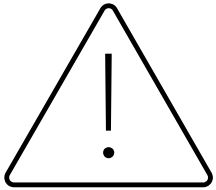
Decarbonization of maritime transport

Policy incentives for sustainable marine fuel

Pierre Pochard, Business Development Manager Switzerland

12 May 2025

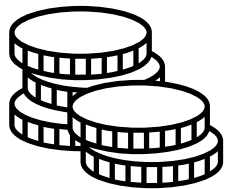
3 key bottlenecks hindering the uptake of zero-emission fuels



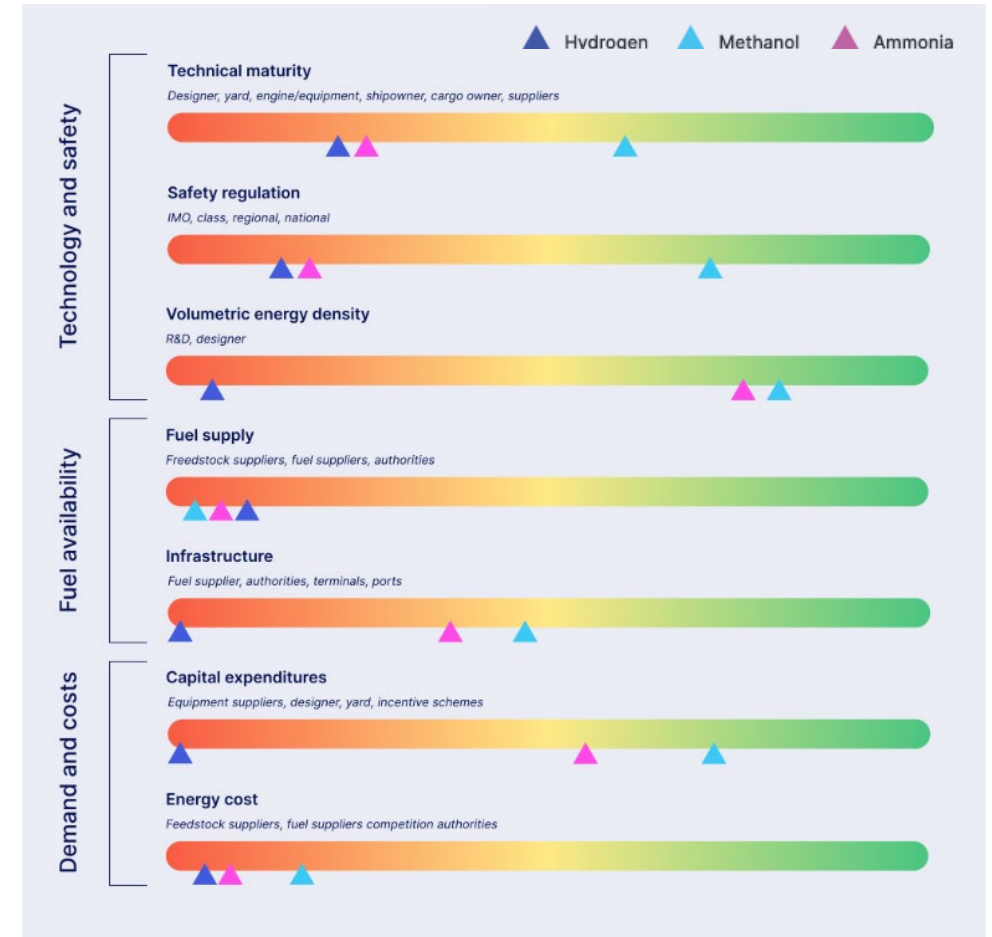
Technology and safety



Fuel availability

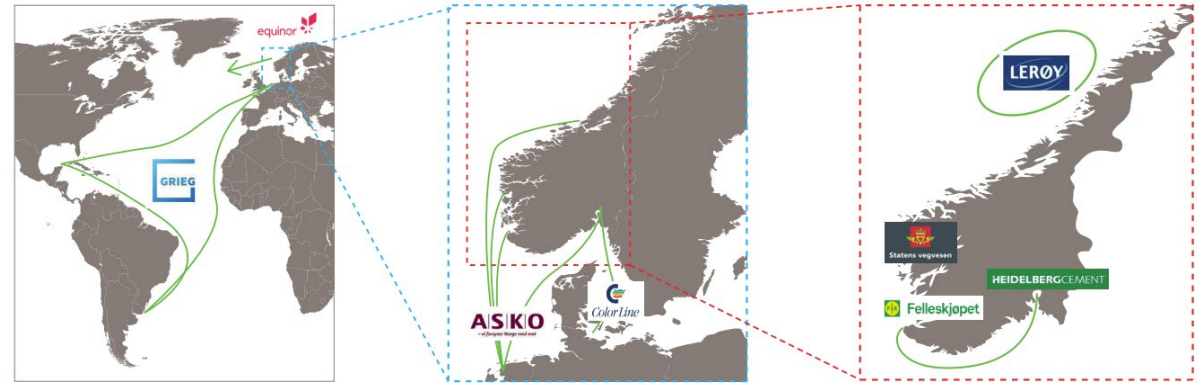
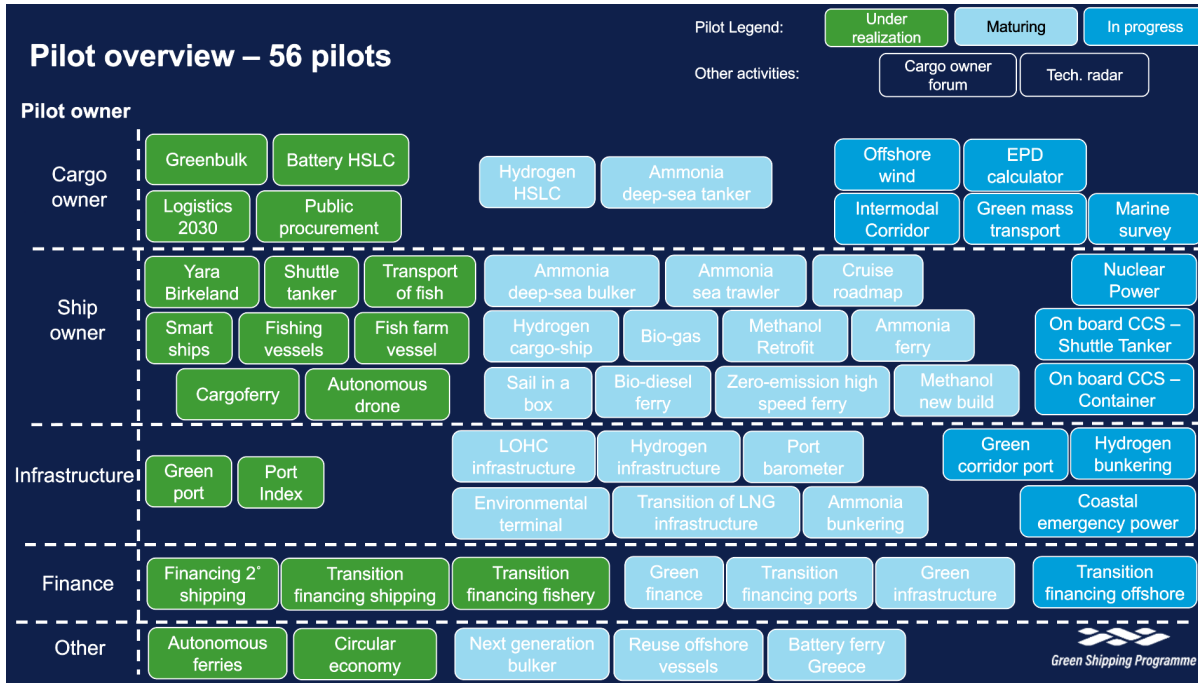


Demand and costs



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>

Green Shipping Programme (2015-)



Port-to-port zero emission pilots

Realized/ under realization:

- Heidelberg/Felleskjøpet – **Greenbulk**, H2-ship between east and west Norway
- ASKO – Two battery-electric **seadrones**
- Yara – Battery-electric and to be autonomous **Yara Birkeland**

Feasibility studies:

- Color Line – zero emission high speed ferry, Kristiansand - Hirtshals
- Color Line – ammonia ferry, Oslo - Kiel
- Grieg – ammonia deep-sea bulkers, US/Brazil/EU
- Hydro – Hydrogen cargo-ship, Norge/EU
- Equinor – Ammonia deep sea tanker
- Thome/Sinoceanic – Methanol retrofit, US west coast – south America
- ASKO – intermodal green corridor
- Port of Bodø – green corridor port

- Norwegian public-private partnership programme
- 100+ cross value-chain partners
- 56 pilots, 19 under realization

Project website:

<https://greenshippingprogramme.com/>

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**



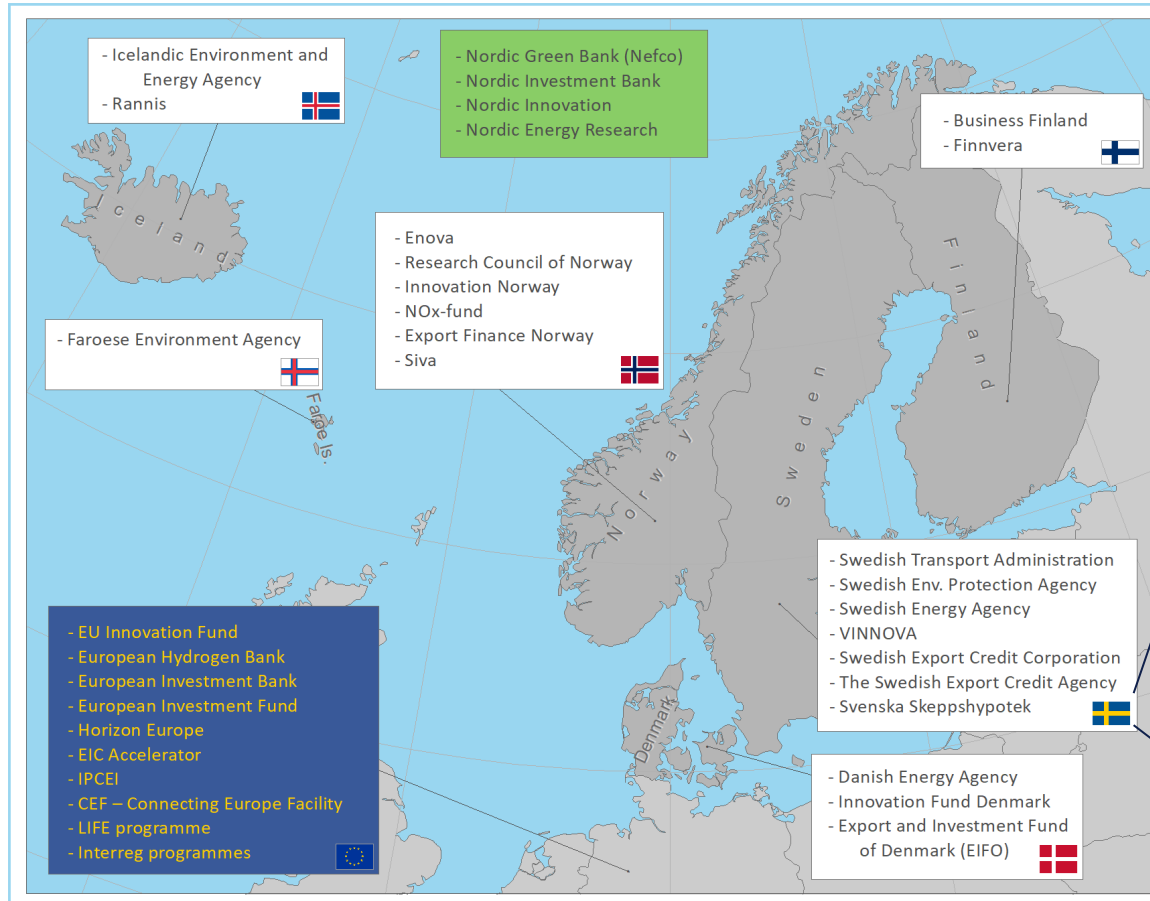
- Fuels in focus: ammonia, hydrogen and methanol
- 10 technical deliverables to date
- 3 ongoing green shipping corridor pilot studies



For more information,
visit the project website:
<https://futurefuelsnordic.com/>



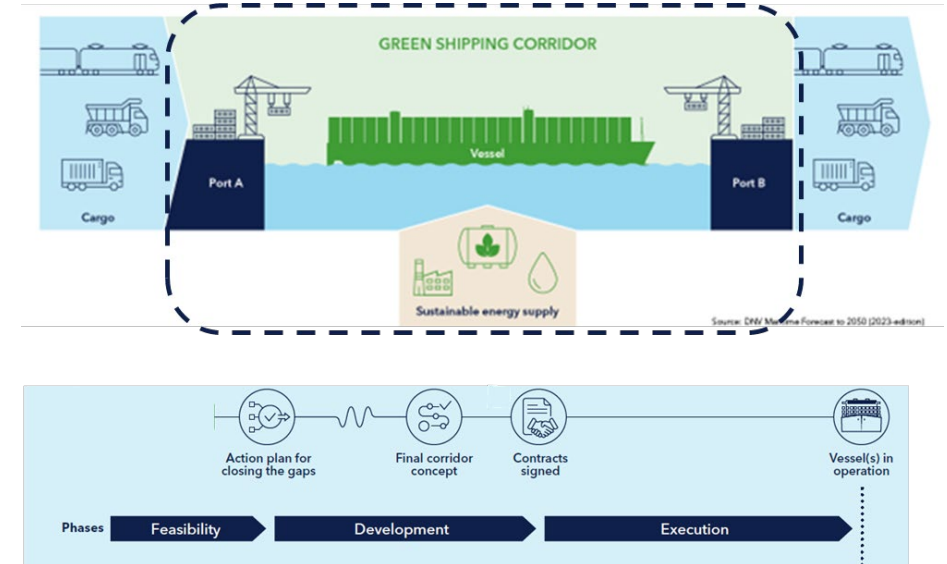
Opportunities have been mapped for each country, cross-Nordic, and EU



Region / Country	Funding entity/agency	Funding Instrument	Value chain coverage	Development stage ^{a)}	Type of funding	Link
Sweden	Swedish Export Credit Corporation	SEK Green Loans	All	E	Loan	https://www.sek.se/en/product/green-loans/
	Swedish Export Credit Corporation	Shipping	All	E	Loan	https://www.sek.se/en/shipping/
	The Swedish Export Credit Agency	Grön kreditgaranti	All	E	Guarantee	https://www.ekn.se/
	Svenska Skeppshypotek	Loans	Vessel	E	Loan	https://www.svenskaskeppshypotek.se/en/
	Swedish Transport Administration	Hållbar sjöfart - Lighthouse	Port, Vessel	D	Grant	https://fighthouse.nu/sv/verksamhet/hallbar-sjoefart
	Swedish Transport Administration	Sjöfartsporföljen	Port, Vessel	D	Grant	https://fudinfo.trafikverket.se/fudinfoexternwebb/pages/JoVisaNy.aspx?id=119
	Swedish Environmental Protection Agency	Klimatklivet	All	E	Grant	https://www.naturvardsverket.se/bidrag/klimatklivet/
	Swedish Energy Agency	Industriklivet	Energy supply	D	Grant	https://www.energimyndigheten.se/forskning-och-innovation/forskning/industri/industriklivet/
	Swedish Energy Agency	Pilot- och demonstrationsprojekt	All	D	Grant	https://www.energimyndigheten.se/forskning-och-innovation/affarsideer-test-och-internationalisering/pilot-och-demonstrationsprojekt/
	VINNOVA	Sustainable Ports - System demonstrator	Port	D	Grant	https://www.vinnova.se/en/calls-for-proposals/systemdemonstratorer-mobilitet-other/sustainable-port-system-demonstrator/
	VINNOVA	General programs	All	D	Grant	https://www.vinnova.se/en/apply-for-funding/find-the-right-funding/
	Swedish Energy Agency	Hållbara transportsystemer	All	D	Grant	https://www.energimyndigheten.se/forskning-och-innovation/forskning/transporter/hallbara-transportssystem/
	Swedish Energy Agency	Framtidens elsystem	Energy supply, Port	D	Grant	https://www.energimyndigheten.se/forskning-och-innovation/forskning/elsystem/framtidens-elsystem/

Takeaways: Financing of a green corridor is a puzzle

- Relatively novel and politically challenging concept
- Financial mechanism depends on which stage of the corridor needs financial support.
- Subsidy design parameters include recipient, target costs, support mechanism (upfront subsidies, fixed price, fixed premium, sliding premium/CfDs) and geographical scope
- Political considerations and implementation
- Significant variation between countries with respect to organisation of public funding and the funding volumes available



More details can be found in the report:

DNV (2025b), Funding opportunities for Nordic green shipping corridors, rep. no 2025-0157, Rev. 01.

Thank you.

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