



TRAFIKVERKET

Navigating the transition: Research, innovation, and new opportunities in shipping

2026-04-15

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Trafikverket's role

- Trafikverket: national transport infrastructure responsibility
- Ensures efficient, safe shipping
- Integrates maritime in transport system
- Funds maritime research and innovation
- Collaborates with academia and industry

Färjerederiet

- Trafikverket Färjerederiet: operates national ferry services
- Connects road network via ferries
- Ensures accessibility, reliability, safety
- Focus on electrification, sustainability
- Testbed for maritime innovation



We fund research

- Trafikverket funds maritime R&I
- Focus on efficiency, sustainability, safety
- Supports applied, system-oriented research
- Collaborates with academia, industry
- Enables implementation and scaling



Shipping portfolio

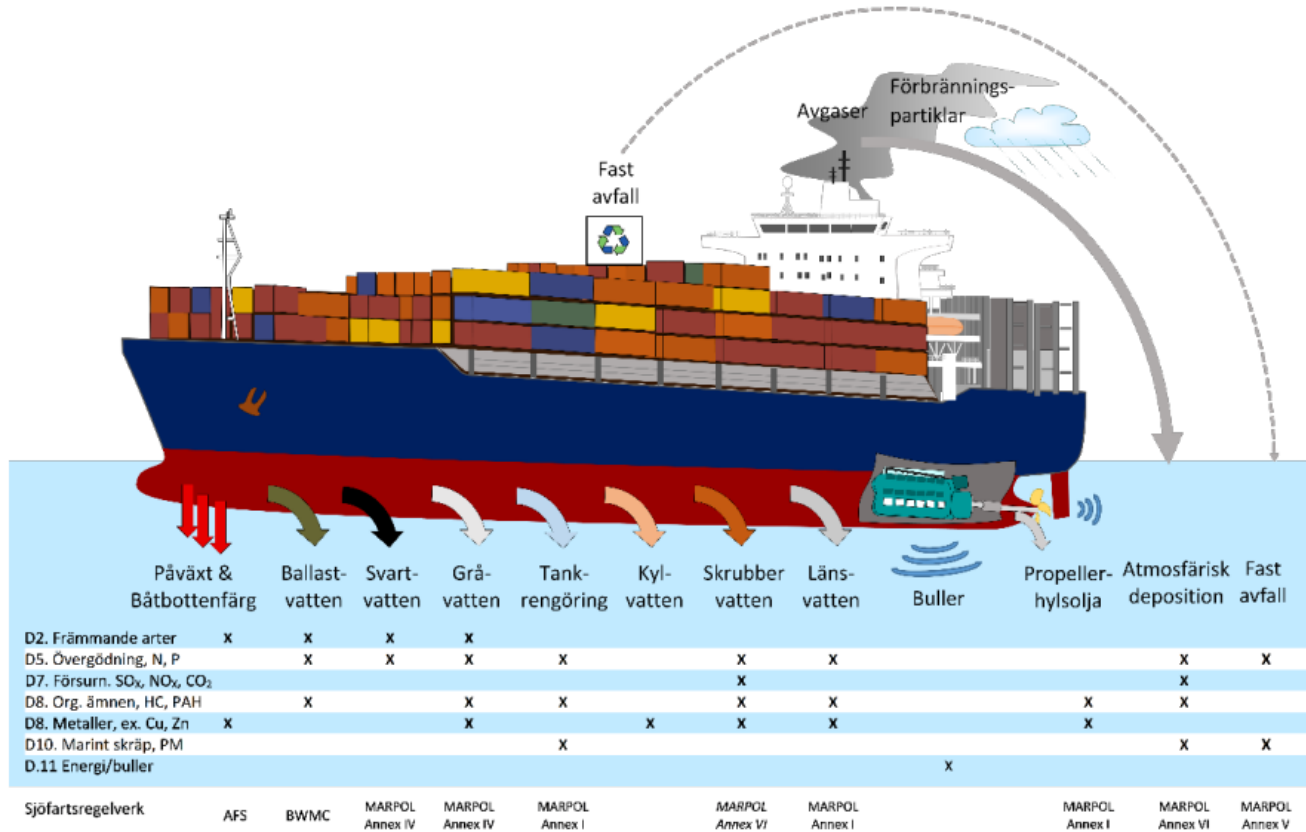
- Up to SEK 100 million per year
- Merchant fleet and maritime system (ports/fairways) in focus
- Among the larger recipients are the Swedish Maritime Administration and RISE
- Lighthouse – industry program (sustainable shipping)
- Good alignment with Vinnova and the Swedish Energy Agency

Safety, security and competence

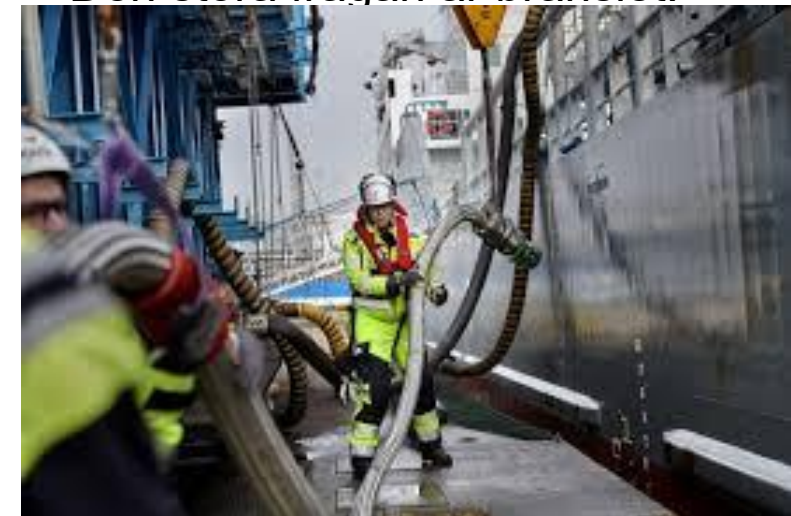


Autonom sjöfart

Climate and environment



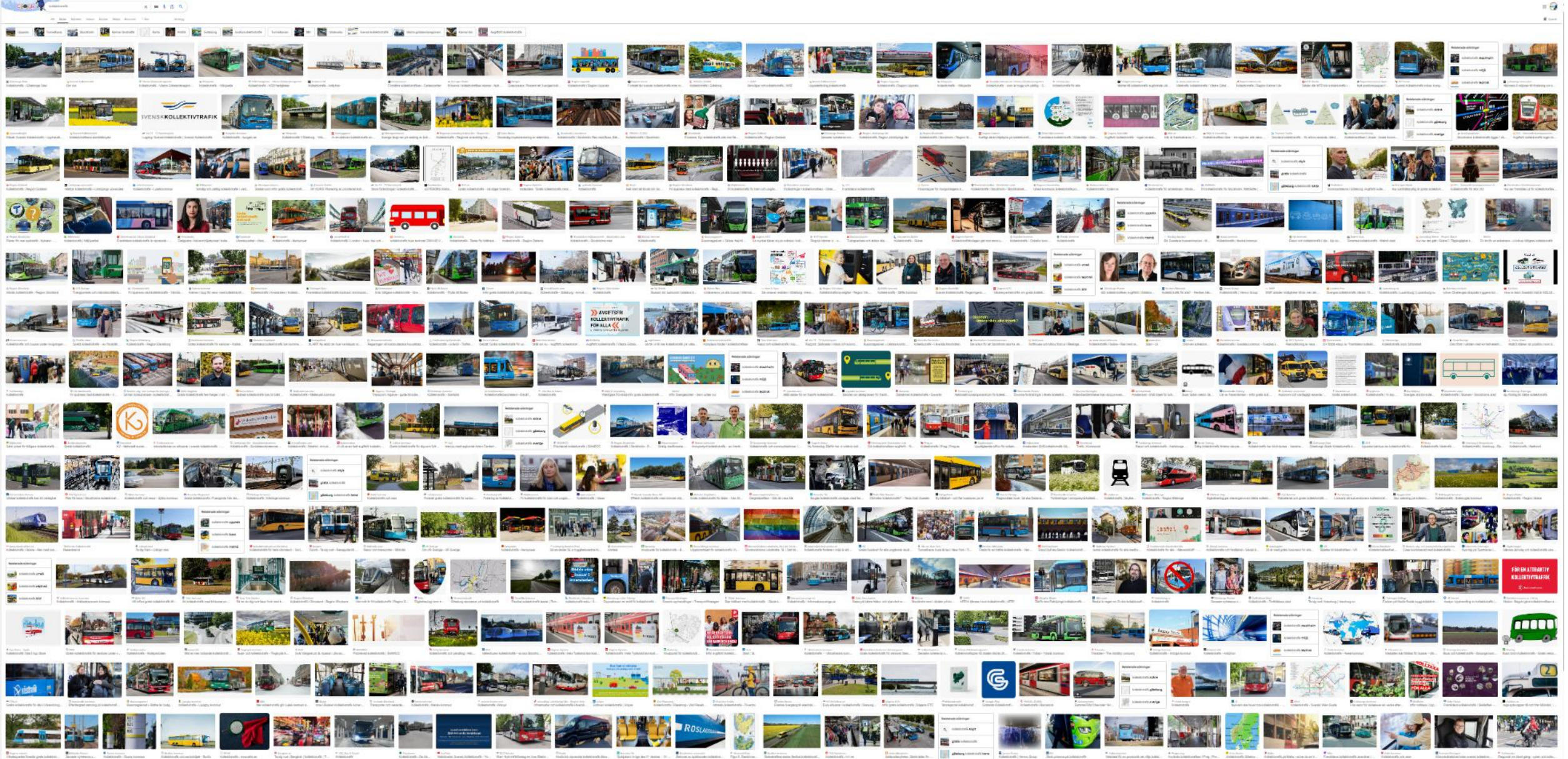
Den stora frågan är bränslet!

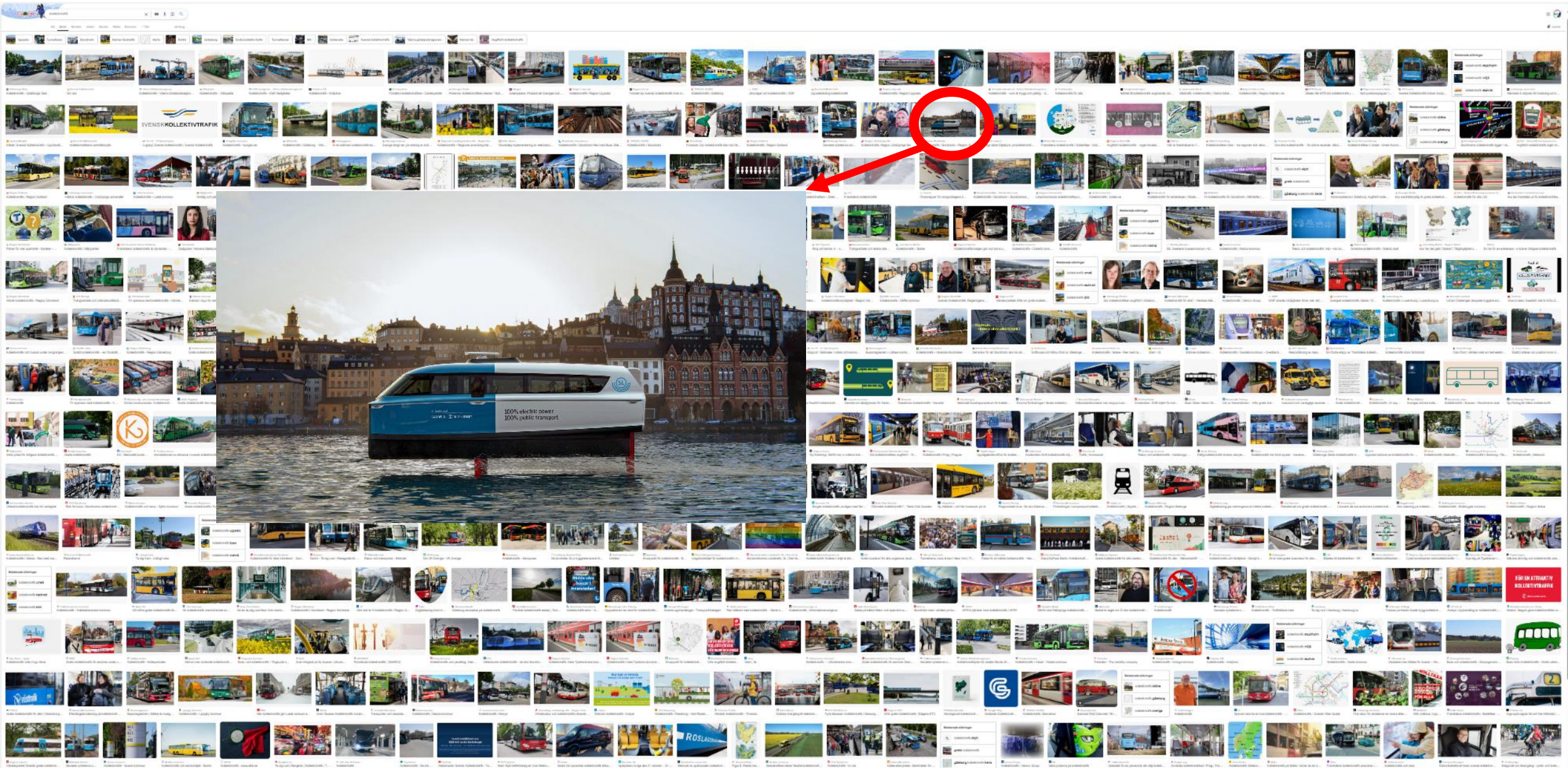


Economy, competitiveness and the role in the transport system



Google images Kollektivtrafik (Public transports)





Norway

- Many initiatives – also in non urban areas.
- Elektriccity
- Hydrogen
- Autonomy
- Attractiveness



<https://hyke.no/>



<https://www.h2-view.com/>

Copenhagen

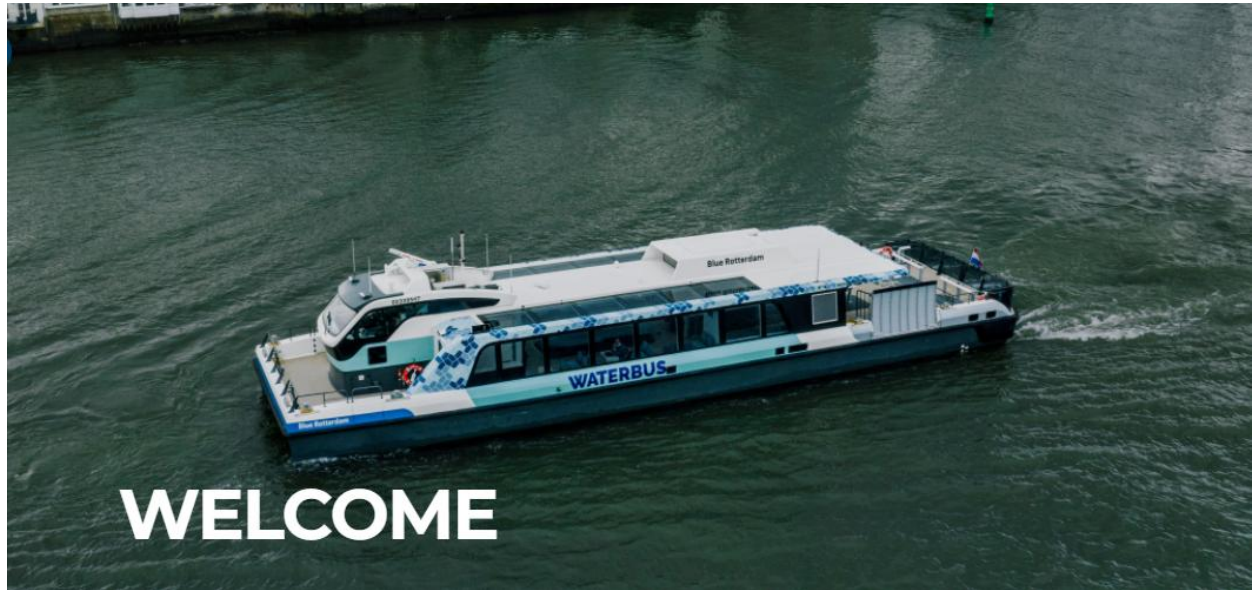
- Havnebussen
- Electric
- Priced as othe public transport



<https://www.visitcopenhagen.dk/>

Rotterdam

- Waterbus



<https://www.waterbus.nl/en/news/welcome>

London

- Cooperation between Thames Clipper and Uber → >20 ferries.
- In 2024 they received about 6 M£ in R&D support to develop zero emission ships



<https://www.masabi.com/2020/08/02/uber-boat-by-thames-clippers-launches-in-london/>

Sweden?



Bilder: Candela, Bolt, Västtrafik (x2) och Färjerederiet.

Conclusions

- Many major cities have some form of waterborne public transport – gradually increasing
- Trend: **commuting demand** is growing faster than tourism demand
- Largely **conventional services**, but with more innovative elements emerging
- **Autonomy** and sustainability requirements could be strong enablers
- **Attractive – but is it efficient?** “There’s a romance to it... the commute by boat can be a winding-down time” (Bloomberg)
- **Technology is largely in place**; business models, regulation, and user behavior remain the bigger challenges



THANKS!