



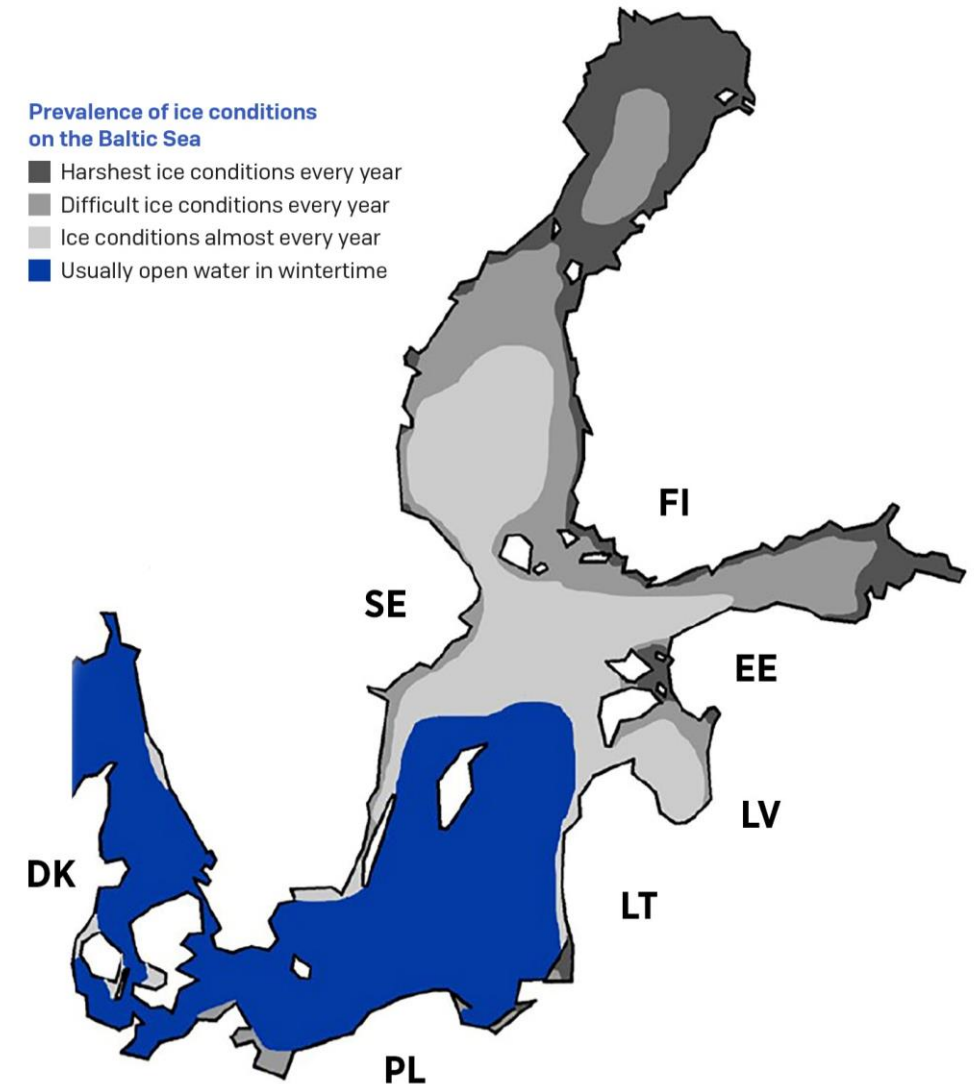
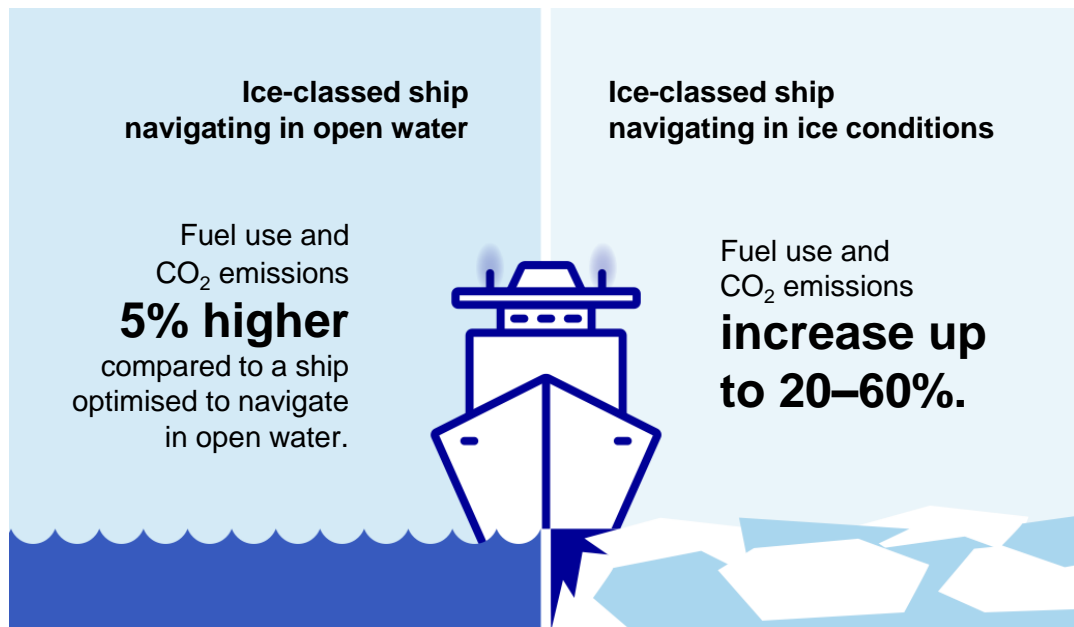
Decarbonizing shipping

A Finnish perspective

3 May 2023
Nordic Roadmap project "Future Fuels for Shipping"
Conference in Helsinki

Eero Hokkanen, Ministerial Adviser
Climate and Environment Unit

The Baltic Sea's northernmost waters are covered by sea ice every winter





**This is normal,
regular
shipping in the
EU's
northernmost
waters.**



**Ice conditions
will not
disappear on
account of
climate
change. They
will become
more variable
and harder to
predict.**



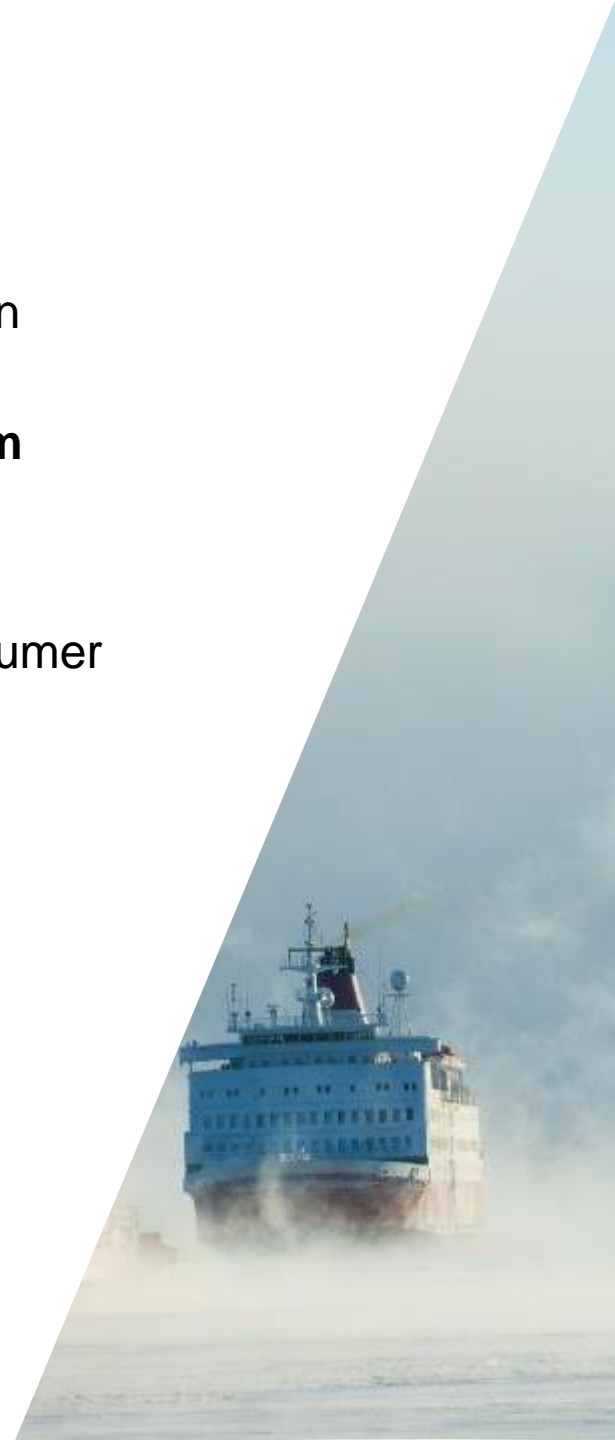
Short-sea shipping in the Baltic Sea

- International maritime traffic to and from Finland is mainly short-sea shipping between Finland and other European states
- **Over 70% of imports by sea come from the Baltic Sea region and over 90% from Europe in general** (source: Ojala et al. 2020, MERLOG30)
- Considerable amount of Finland's foreign trade moves in **roro & ropax vessels**
- The role of ropax vessels is central especially in general cargo (groceries, daily consumer goods)

↓ Source: Lighthouse, 2020

Table 7 Emissions reported in the MRV for different shipping segments¹⁵

Ship type	Emissions total	Emissions within EEA	Emissions per distance (median)	Emissions per transport work (median)
	Mtonnes CO ₂	Mtonnes CO ₂	kg CO ₂ / NM	g CO ₂ /tonne-NM
Bulk	18.1	2.93	290	8.48
Container	44.4	13.1	570	20.13
General Cargo	6.13	4.64	185	28.02
Oil Tanker	18.1	4.46	435	8.82
RoRo	6.06	4.51	338	91.03



Global measures

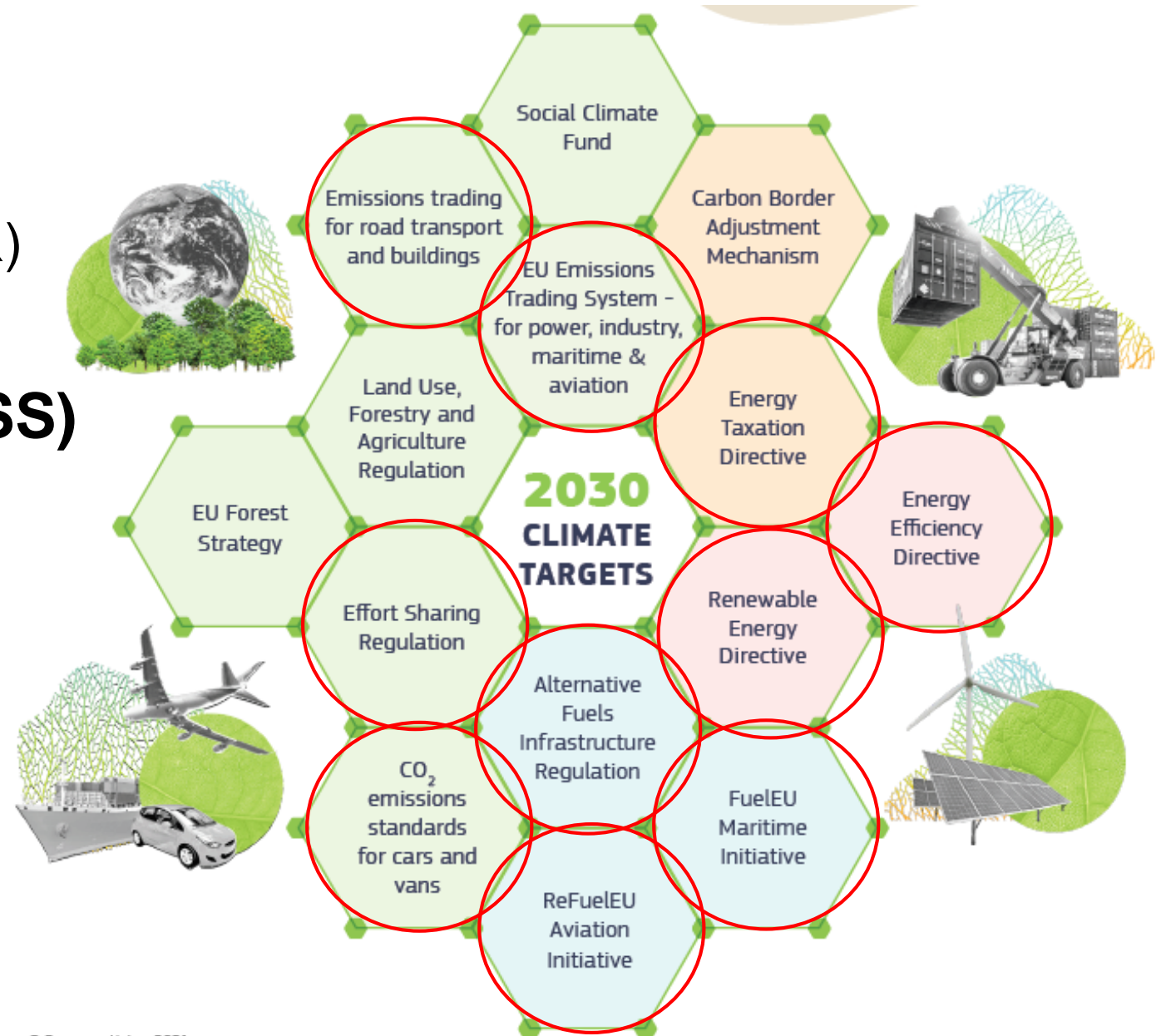
International Maritime Organization

- Updating the IMO's initial strategy on the reduction of GHG emissions from ships (i.a. the 2050 **target** from -50% to -100%)
- **tight timeline** for the introduction of emissions reduction measures, need to renew working arrangements
- Global **life-cycle guidelines** for fuels
- Global **market-based measure**
- Level playing field



Regional measures

- **EU: Fit for 55**
 - (ETS, FuelEU Maritime, AFIR)
- **EUSBSR, HELCOM (CBSS)**
- **Nordic Council of Ministers**
 - Nordic Roadmap for the introduction of sustainable zero-carbon fuels in shipping



National measures in Finland

- Government Programme: carbon neutrality by 2035
 - ➔ Roadmap for fossil-free transport
 - ➔ **Government Resolution on reducing GHG emissions from maritime and inland waterway transport**
- 30 measures, published in May 2021
 - 1) Transition to alternative fuels
 - 2) Existing ships' energy efficiency & new low-emission vessels
 - 3) Management of maritime and inland waterway transport
 - 4) Ferry traffic and boating
 - 5) Carbon pricing and other MBM's in international shipping
 - 6) International cooperation



Finland's candidature to the IMO Council

Finland seeks election to the **Council of the IMO** in **category 'C'**, for the 2024-2025 term at elections held during the 33rd Regular Session of the **IMO Assembly in 2023**

Finland has been an IMO Member State for over six decades (since 1959). In the IMO, we have actively worked to ensure safe and sustainable shipping.

Active participation in all IMO Committees and most Sub-Committees





Thank you!

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