



Electrifying Potential: Shore-side Power
Generation in Ports

How ports are contributing to achieving the EGD goal

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3/12/2020



BPO – who we are?

BPO – Baltic Ports Organization



established

October 10, 1991
Copenhagen



nearly 50 members

major ports in the 9 countries



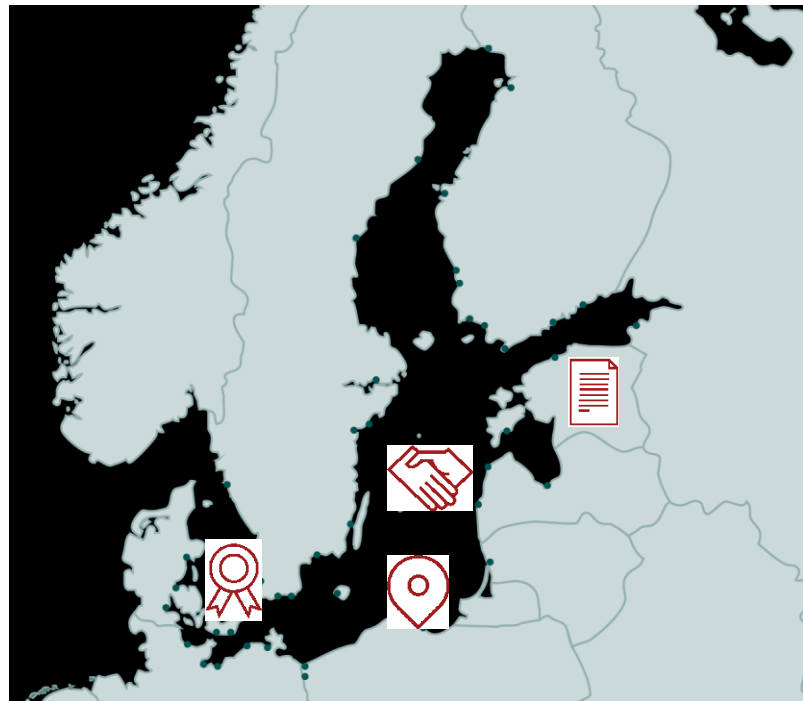
registered in Estonia

Port of Tallinn headquarter



office in Gdynia

Poland





BPO – who we are?

BPO's mission



Kimmo Naski, BPO Chairman



The BPO's mission is to **contribute to sustainable development** of maritime transport and the port industry in the Baltic Sea Region, thereby **strengthening its global competitiveness**.





Baltic port market

Total volume

2010 (mln t) 814.1

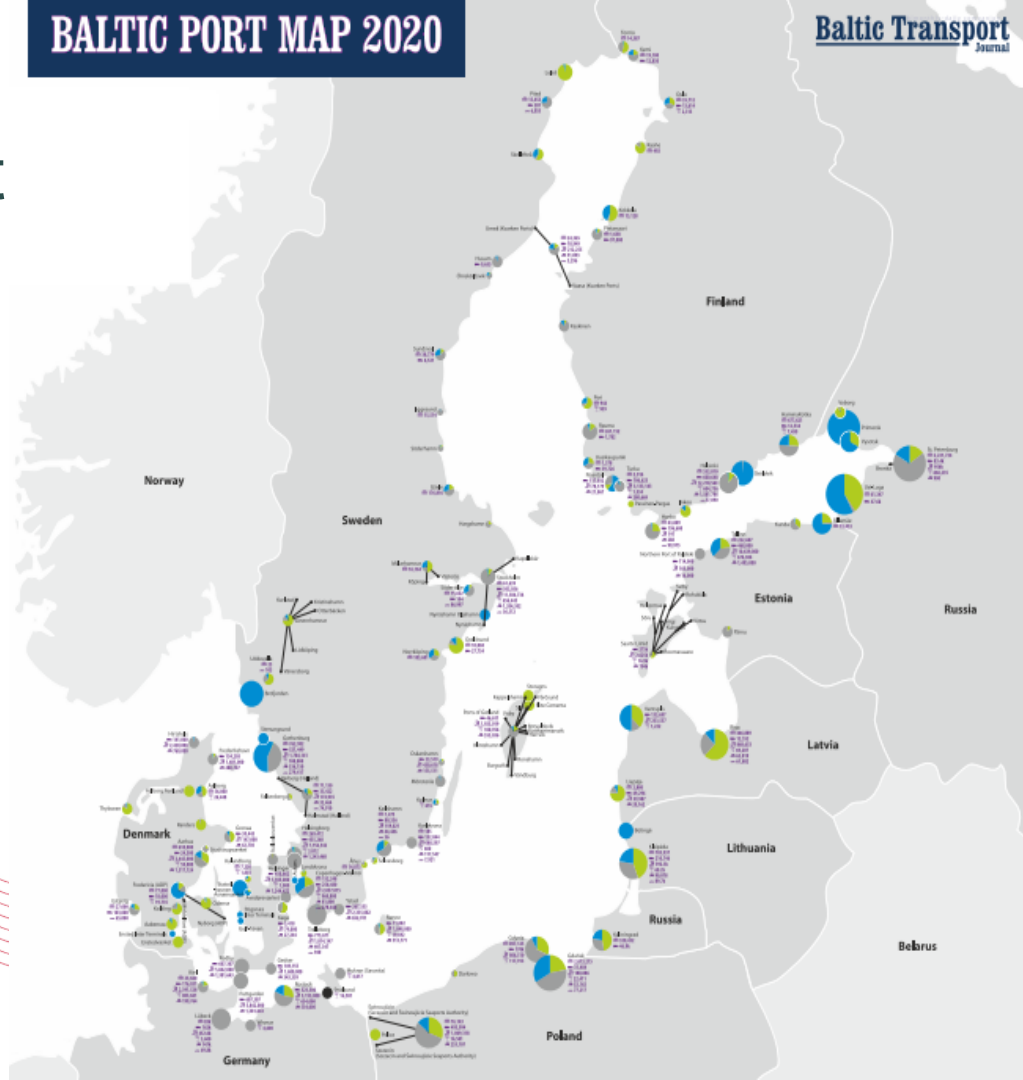
2018 (mln t) 942.5

2019 (mln t) 947.6

2019/2018 (%) 0.54%

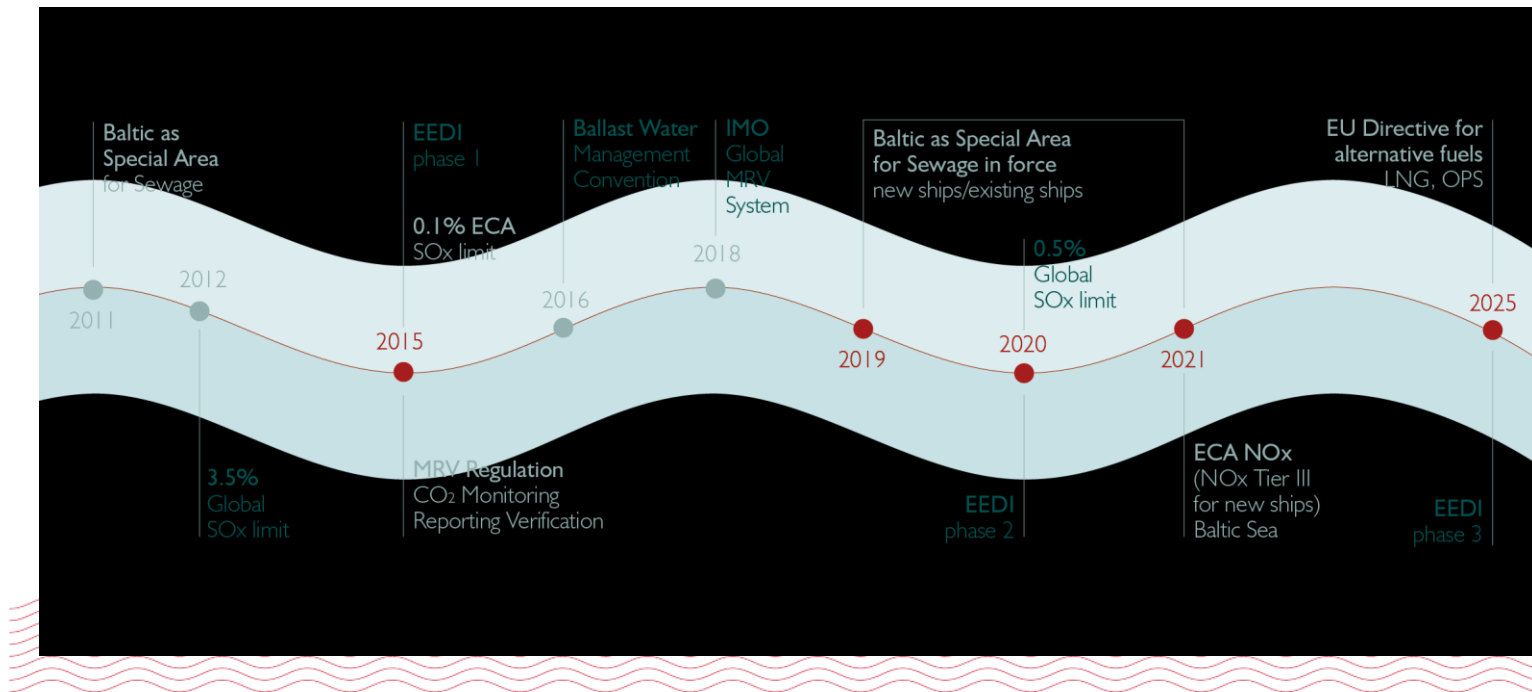
2019/2010 (%) 16.39%

2020? -6-8%

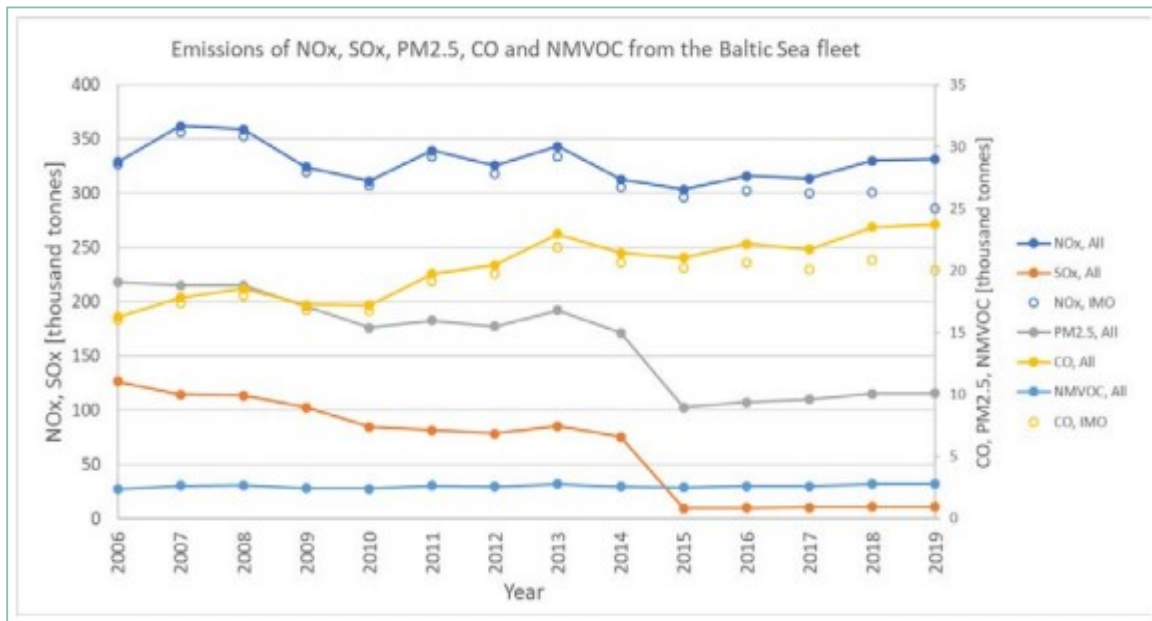




Regulating maritime transport in the Baltic Sea Region



Emissions of NOx, SOx, PM2.5, CO from ships in the Baltic Sea in 2006-2019



Source: Finnish
Meteorological Institute



The Baltic Sea as a model region for green ports and maritime transport

Adopted at 2017



The Baltic Sea as a model region for
green ports and maritime transport



LNG bunkering – a regional approach



Source: Motus Foundation



European Green Deal



Become
climate-neutral
by 2050



Protect human life,
animals and plants,
by cutting pollution



Help companies
become world leaders
in clean products and
technologies



Help ensure a
just and inclusive
transition

Source: EU

European Green Deal about Onshore Power Supply



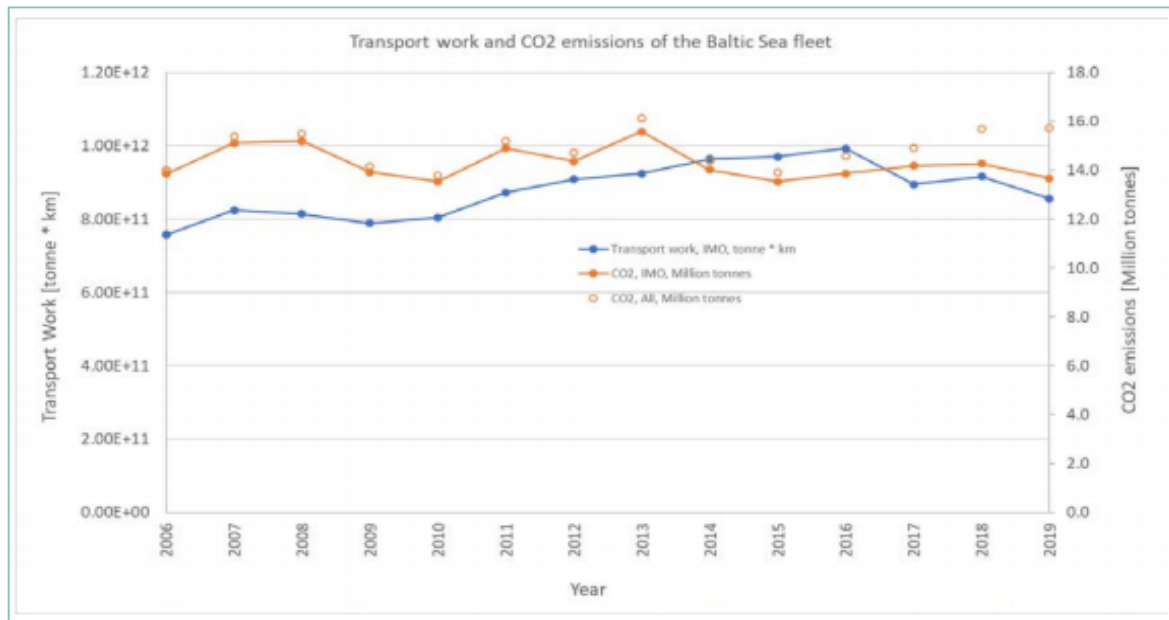
will consider applying European
to road transport, as a complement
uture CO2 emission performance
les. It will take action in relation to
t, including to regulate access of
g ships to EU ports and to **oblige
se shore-side electricity**. Similarly,
d be improved near airports by
sions of pollutants by aeroplanes
ions.”

Source: EU





CO₂ emissions and transport work of the Baltic Sea fleet during the period 2006-2019

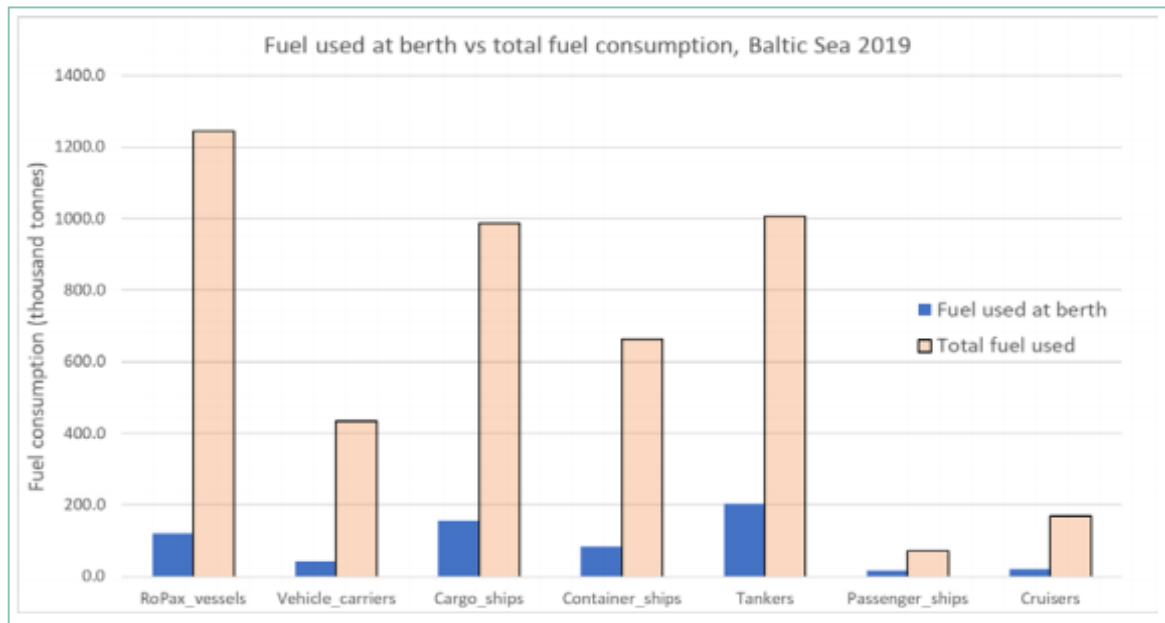


Source: Finnish
Meteorological Institute



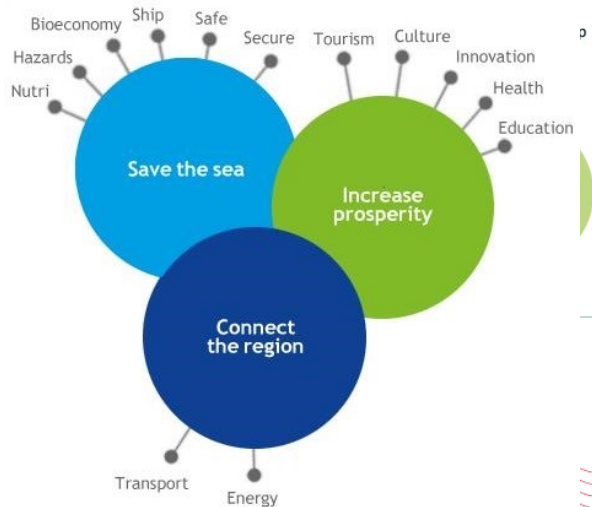


The share of fuel used in port areas by vessel type, Baltic Sea fleet in 2019



Source: Finnish
Meteorological Institute

Policy Area on Clean Shipping (PA Ship)



The overall goal of the Policy Area on Clean Shipping (PA Ship) is for the Baltic Sea Region “to become a model region for clean shipping”.

PA Ship focuses on:

- Support measures reducing emissions from shipping including digitalization.
- Support research on emerging thematic challenges related to clean shipping and its impact on the environment and wildlife in the Baltic Sea.
- Support development of shore-side facilities to enhance clean shipping measures including infrastructure for alternative fuels



The Council of Ministers for the Environment and Climate

Cleaner Cruises through More Shore Power



- adopted on October 28th 2020

„Emphasize that common Nordic policies to promote investments in shore power can contribute to a green recovery and job creation, in line with the new growth strategy of the European Green Deal, turning climate and environmental challenges into opportunities.”





Onshore Power Supply (OPS) in the BSR

Source: Motus Foundation





What next?



More OPS in the Baltic
but also challenges

Baltic port working
towards a climate
friendly port



*Example: Port of Helsinki
is said to be climate
neutral by 2035*



Baltic ports

—
We are paving the way.





Go Baltic!

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