EU Strategy for the Baltic Sea Region

20131004
Copenhagen

LEAD PARTNER, Port of Trelleborg

Trelleborgs Hamn AB
-Port of Trelleborg-

PARTNERS

Formal Partners

1 Port of Trelleborg
2 City of Trelleborg
3 Port of Stockholm
4 Port of Helsinki
5 Port of Turku
6 Norwegian Shipowners Association
7 Port of Tallinn
8 Port of Kalundborg
9 City of Hamburg
10 Port of Rostock
11 Stadtwerke Lübeck
12 Baltic Sea Forum
13 County Administrative Board of Skåne
14 Environmental Development Association (EDA)
15 Port of Klaipeda
16 University of Klaipeda
17 Klaipeda Science and Technology Park
18 Maritime Institute of Gdańsk
19 Port of Oslo

Associated Partners

1 Swedish Maritime Administration
2 German Ministry of Transport
3 State Chancellery of Schleswig-Holstein
4 Germanischer Lloyd
5 Rosmorport (Kaliningrad)
6 Vestfold County Council
7 Port of Nexø
8 World Future Council
9 E.ON Gas Sverige AS
10 Exmar BV
11 Nordic LNG AB
12 Stena Line
13 Baltic Ports Organisation
14 German Shipowners Association
15 TT-Line GmbH
16 Maritimt Forum
17 Baltic Subregional States Cooperation
18 Gazprom
19 City of Swinoujscie
20 Port of Gdańsk

Supporting Organisations

1 Danish Maritime Authority
2 HELCOM – Baltic Marine Environment Protection Commission
3 Council of the Baltic Sea States (CBSS)
4 German Hydrogeographic Org.
5 City of Lübeck
6 OKEANOS Foundation
7 Ministry of the Environment
8 AIDA Cruises GmbH
9 SIDA
10 City of Gdańsk
11 Ministry of Infrastructure
12 Ostsee Mineralöl – Bunker GmbH
13 Det Norske Veritas
14 Swedish Ministry of Enterprises

THE VISION

“Create efficient shipping with small effects on the environment and by that mitigate the eutrophication of the Baltic Sea”

THE OBJECTIVE

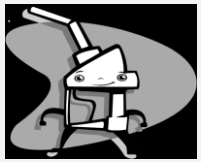
“Develop tools and solutions for and by the shipping sector to state as best environmental practice examples, assisting in making the Baltic Sea a model region for clean shipping”

THE PROJECT AIMS

- **Reduce ship borne air pollution at sea, in ports and in port cities**
- **Reduce nutrient inputs to the sea**
- **Create a strategy for environmentally differentiated port dues and an Environmental Port Index**
- **Create technological pilot projects in full scale as best practice examples**
- **Create an interrelation concerning the project goals between all stakeholders in the Baltic Sea**

CORE SUBJECTS

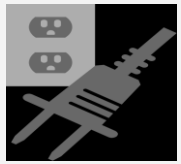
Environmental Port Index



Environmentally differentiated port dues

Alternative fuels in shipping

Port reception facilities for sewage from ships



Onshore power supply for ships at berth

ENVIRONMENTAL PORT INDEX

- **Benchmarking** a port's environmental performance
- **Help port management** to understand which environmental issues to concentrate on
- **Educate staff** on environmental issues related to port activities
- **Marketing tool**

ENVIRONMENTALLY DIFFERENTIATED PORT DUES

Environmentally differentiated port fees are applied as a financial incentive to support and encourage shipping companies to reduce their environmental impact

ALTERNATIVE FUELS IN SHIPPING

Today three options for meeting Emission Control Area (ECA) 2015 requirements:

- **Scrubber,**
- **Low sulphur fuel oil, or**
- **LNG as fuel and installing gas engines**

Other fuels: methanol

RECEPTION FACILITIES FOR SHIP SEWAGE

2015:
New passenger and cruise ships are not allowed to release their sewage into the Baltic Sea

2018:
The same ban will apply to the rest of the passenger and cruise ships

ONSHORE POWER SUPPLY FOR SHIPS AT BERTH

By connecting a ship to onshore power the negative environmental effects are reduced

CLEANSHIP REPORTS

1. Air pollution emissions from ships in partner ports
2. Demand study port infrastructure
3. European oil, gas, LNG and electricity markets
4. Energy logistics and structure in Baltic Sea Ports
5. Sustainable shipping and port development
6. Funding mechanisms
7. Development of future changes for Clean Baltic Sea Shipping
8. Port Reception Facilities for ship-generated sewages
9. An analysis of Environmentally Differentiated Port Fees
10. Use of LNG and biogas in the Port of Trelleborg
11. Bunkering of ships that use LNG or dual fuel at Klaipeda State Seaport
12. LNG for ferries and cruise ships
13. Environmental Port Index – integrating port and shipping interests
14. High-voltage Onshore Power Supply in the Port of Oslo

www.clean-baltic-sea-shipping.eu