



Clean Baltic Sea Shipping

October 2010 - September 2013



Clean Baltic Sea Shipping a flagship project for the EU Baltic Sea Strategy

Main objectives

- REDUCE SHIP BORNE AIR POLLUTION AT SEA, IN PORTS AND IN PORT CITIES
- REDUCE NUTRIENT INPUTS FROM SHIPS TO THE SEA TO A ZERO-LEVEL
- CREATE A JOINT STRATEGY FOR DIFFERENTIATED PORT DUES
- CREATE PILOT PROJECTS IN FULL SCALE AS BEST PRACTICE EXEMPLES
- CREATE AN INTERRELATION CONCERNING THE GOALS BETWEEN ALL STAKEHOLDERS



Planned and reached Achievements M1

- **Pilot projects with shoreside electricity for ferries and cruisers have been started by Port of Oslo and Port of Trelleborg**
- **Pilot projects with voluntary ferry owner –port agreements for pumping over all sewage and biological wastes when in port have been started in Ports of Stockholm, Trelleborg and Helsinki**
- **A comprehensive Port dues study has been started by Ports of Stockholm**
- **The Port of Klaipeda has started to elaborate how small scale LNG logistic can be derived from its large scale import terminal**



Strategies and supporting studies

1. Baseline calculation for emissions in partner ports.
2. A study regarding the demand for environmentally related infrastructure in ports,
3. A study on the availability of electricity and gas/LNG
4. A study regarding developments in the bunker, electricity, gas and LNG markets.
5. Analysis of existing economic instruments like environmentally differentiated port dues.



Project Partners

20 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
- 7 Port of Tallinn
- 8 Port of Kalundborg
- 9 Baltic Energy Forum
- 10 City of Hamburg (BSU)
- 11 Port of Rostock
- 12 Stadtwerke Lübeck
- 13 Baltic Sea Forum
- 14 Region Skaane
- 15 Environmental Development Association (EDA)
- 16 Port of Klaipeda
- 17 University of Klaipeda
- 18 Klaipeda Science and Technology Park
- 19 Maritime Institute of Gdansk
- 20 Port of Oslo

20 Associated Partners

- 1 BSSSC
- 2 Swedish Maritime Administration
- 3 BMVBS
- 4 Staatskanzlei
- 5 Germanischer Lloyd
- 6 Rosmoport
- 7 Vestfold County
- 8 Nexö
- 9 Martimt Forum
- 10 EON Sweden
- 11 Exmar
- 12 Nordic LNG
- 13 Scandlines AB
- 14 Baltic Ports Organisation (BPO)
- 15 Verband Deutscher Reeder
- 16 TT Line
- 17 Port of Gdansk
- 18 City of Swinoujscie
- 19 World Future Council
- 20 GAZPROM

11 Supporting Organisations/Partners

- 1 Danish Maritime Authority (DMA)
- 2 Helcom
- 3 CBSS EGMP Minutes
- 4 Bundesamt für Seeschifffahrt und Hydrografie (BSH)
- 5 Stadt Lübeck
- 6 Okeanos
- 7 SIDA
- 8 AIDA Cruises
- 9 City of Gdansk
- 10 Ministry of Infrastructure, Poland



Workpackages

WP 1 Management

WP 2 Communication

WP 3
Analyses, e.g. demand
for new infrastructure

WP 4
Develop scenarios &
general designs

WP 5
Pilot applications

WP 6
Strategy and
recommendations

Organization of working groups

- WG1: Environmentally differentiated Port Dues ,
Lead: Ports of Stockholm
- WG2: Irregular traffic, especially Cruisers ,
Lead: Port of Trelleborg and Port of Helsinki
- WG3: Regular traffic, i.e. Ferries & RoRo-Ships
Lead: Port of Trelleborg and Port of Helsinki
- WG4: LNG logistics ,
Lead: Baltic Energy Forum



Political Committee Members

- Danish Maritime Authority
- Swedish National Maritime Administration
- Finnish National Transport Administration
- BSSSC
- CBSS
- BPSPC
- HELCOM
- EU Commission
- German Ministry of Transport
- Swedish Ministry of Enterprise
- RosmoPort
- IMO
- InnoShip
- Port of Trelleborg
- Ports of Stockholm
- Port of Helsinki
- Port of Oslo
- Port of Hamburg
- Lübeck City
- Swedish Shipowners Association
- German Shipowners Association
- Baltic Sea Forum



Political Committee

- Frequency 2 times / year, back to back with other large meetings when possible
- Inauguration meeting connected to 20 May 2011, European Maritime Day in Gdansk
- Next meeting 24-27 October 2011, BDF Summit
- Meeting 20 May 2012, in connection with European Maritime Day in Gothenburg



Pilot projects

1. Port of Trelleborg will elaborate how Bio-LNG logistics can be organised from a biogas plant to ships at the berths.
2. Port of Klaipeda will elaborate how local small scale LNG logistics to ships can be derived from a large LNG import terminal.
3. AIDA cruises will develop the idea to supply ships during stay in port with natural gas from the local gas grid.
4. Port of Rostock will undertake a study of how cruisers can get LNG in ports
5. The development of an Environmental Port Index Lead by the Ports of Stockholm, Helsinki and Turku.
6. Shoreside electricity for large size ferries is set to be developed by the Port of Oslo in cooperation with Color Line and Port of Trelleborg .



Challenges

- **A joint clean shipping strategy requires intensive interrelation between all stakeholders**
- **The project contains both local and regional Governments, ports, universities, NGOs, shipping companies, and concerns environmental and health communities**
- **Communication and dissemination of objectives and results are of paramount importance for this project**
- **The final goal is a Baltic Sea free from water and air pollution**



Milestones

Milestone 1 (11th June 2010 until March 2011) and outputs:

- There have been two meetings in each of the work groups. It was the strong will of the partners to start with the pilots as soon as possible. Therefore work on the pilots were started by mid milestone one. Decisions on the location and date of these meetings were taken during the kick-off meetings in Trelleborg and Stockholm 2010. The workgroups and pilots have now produced the first half year reports.

Milestone 2 (April 2011 until September 2011) and outputs:

- Up to two meetings of the work groups. During these meetings general developments will be discussed as well as the outcomes of the pilots. In the respective ports hosting the pilots local task groups from port, ship owners, authorities will be established, which discuss the necessary elaborations and guide the development. At the end of this milestone the second concise half yearly reports will be produced.



Milestones

Milestone 3 (October 2011 until March 2012) and outputs:

- Up to two meetings of the work groups. Pilots should be ready by about 40%. Production of the third half year report and upload to the website.

Milestone 4 (April 2012 until September 2012) and outputs:

- Up to two meetings of the four work groups. Pilots should be ready by 75%. 4th half year report on findings, results and recommendations.

Milestone 5 (October 2012 until March 2013) and outputs:

- In this milestone all pilots will be ready by 100% or at least close by. The non-investitive pilots (Latvian national clean shipping strategy and the Environmental Port Index) will be ready 100%, printed out and displayed at the website.

Milestone 6 (April 2013 until September 2013) and outputs:

- Absolute finalisation of the technical pilots, and the CBSS final main document.





Thanks for your attention



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