The aim of the event is to shed further light on the implementation of the Baltic Sea NECA - Nitrogen Oxide (NOx) Emission Control Area (ECA) – under Annex VI of the MARPOL.

The expected participants will represent ship owners and ports of the HELCOM member countries, manufacturers of related technology, other stakeholders as well as country representatives.

The Helsinki Commission (HELCOM) is an intergovernmental organization of the nine Baltic Sea coastal countries, the EU Commission and a number of observer organisations (maritime industry, environmental NGOs, other stakeholders). The organization has a permanent secretariat in Helsinki, Finland.

HELCOM was established in 1980 to oversee the implementation of a regional treaty called the Helsinki Convention signed by the coastal countries in 1974, ratified in 1980 and revised in 1992. This piece of international law covers explicitly the pollution from ships in the Baltic Sea (Article 8, Annex IV). To implement this part of the Convention, the Contracting Parties cooperate within the targeted HELCOM MARITIME group i.a. to ensure the effective and harmonized implementation of rules adopted by the International Maritime Organization in the Baltic Sea region (Helsinki Convention Annex IV, Regulation 1).

This conference on the Baltic Sea NECA will be followed by, and report to, the main decision-making body of the Commission, HELCOM Annual Meeting (HELCOM 34/2013), held on 5-6 March 2013.

PROGRAMME

08.30-09.45  Registration and coffee
09.45-10.00  Opening and introduction to the work of HELCOM MARITIME

Ms. Lolan Eriksson, Chair of HELCOM MARITIME  
Ms. Natalia Kutaeva, Vice-Chair of HELCOM MARITIME

Moderator: Ms. Anna Petersson, Swedish Transport Agency

10.00-10.30  I Regulation of NOx emissions from shipping

Mr. Edmund Hughes, International Maritime Organization (IMO)

The IMO regulations concerning the NOx emissions, including Tier III NOx emissions standards for ships’ diesel engines

Mr. Jorma Kämäräinen, Finnish Transport Safety Agency (Trafi)
Introduction to the Baltic Sea NECA status application process
10.30-11.00

II Environmental effects of Baltic NECA
Mr. Jukka-Pekka Jalkanen, Finnish Meteorological Institute
Effect of Baltic NECA on NOx Emissions

Mr. Mikhail Sofiev, Finnish Meteorological Institute
Effects of Baltic NECA on Environment

11.00-12.00

III Compliance and technology
Mr. Holger Steinbock, BG Verkehr
Compliance options to meet Tier III NOx emissions standards: SCR technology, LNG, etc.

Mr. Göran Hellén, Wärtsilä
Development and manufacture of modern diesel engine and their compliance with Tier III NOx emissions standards

Mr. Ralf Oldenburg, MAN Diesel & Turbo SE
First field experiences of an IMO Tier III – compliant SCR-system on board a vessel

Mr. Lev Novikov, JSC “CNIDI-ECoservice” (Engine Research & Development Center)
Baltic Sea NECA - operational, technological and material adventures

12.00-13.00

Lunch break (Industry Exhibition on available Tier III technology)

13.00-13.45

IV Baltic NECA and shipping: estimations and practical experiences
Mr. Juha Kalli, Centre for Maritime Studies-University of Turku
Costs and benefits of the implementation of Tier III regulations in the Baltic Sea area

Mr. Alexey Klyavin, Association of Shipping Companies (Russia)
Baltic NECA: Effect of Shipping

Mr. Niels Bjørn Mortensen, Maersk Maritime Technology
The experience of a ship owner on the operation of NOx abatement technologies

13.45-14.45

V Final discussion, further development and measures to reduce emissions

Participants: All speakers and the audience
U.S. Coast Guard representative attends through a live video link

Moderators: Ms. Anna Petersson, Swedish Transport Agency
Mr. Jorma Kämäräinen, Finnish Transport Safety Agency (Trafi)

14.45-15.00

Coffee break
15.00-16.30  **Presentations and Industry Exhibition on available Tier III technology**

Mr. Joseph McCarney, *International Association for the Catalytic Control of Shipping Emissions to Air (IACCSEA)*

An overview of the technology options to meet IMO Tier III NOx limits

Ms. Karin Liljegren, *D.E.C. Marine AB*

Challenges of SCR long term continuous operation

Mr. Michael Rutkowski, *H+H Umwelt- und Industrietechnik GmbH*

Latest Information on SCR Technology for Marine Application