



# HELCOM Stakeholder Conference: Baltic Sea – NECA

Monday 4 March 2013 (9:45-ca.16.30)  
Marina Congress Center, Katajanokanlaituri 6 B, Helsinki, Finland

**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 Kутаeva, 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