

WORKSHOP PROGRAMME

Impacts from ship emissions and possibilities of collaboration in the BSR

Place of meeting: EXPOFORUM

23 MARCH 2018, FRIDAY

Goal of the workshop: To present the positive effects of environmental regulations on air quality and human health with special focus on urban areas, and to discuss the possibilities for increasing collaboration within clean shipping around the Baltic Sea. The workshop is part of the EnviSum project - *Environmental Impact of Low Emission Shipping: Measurements and Modelling Strategies*. Website: <https://blogit.utu.fi/envisum/> Twitter: @EnviSuMproject

Moderator: Jan Boyesen, Head of Development at MDC – Maritime Development Center

Session 1: Ship emissions and air quality modelling with emphasis on cities

- 10.00 - 10.15 Ship emissions at Urban and Regional Scale, by Jukka-Pekka Jalkanen, Senior researcher, Ph.D at the Finnish Meteorological Institute
- 10.15 - 10.30 Regional Air Quality modelling, by Jan Eiof Jonson, Scientist, Norwegian Meteorological Institute
- 10.30 - 10.45 Changes in air quality in the Tri-City (Gdynia, Sopot and Gdansk) related to the operation of seaports and changes in SECA requirements, by Prof. Tadeusz Borkowski, Maritime University of Szczecin
- 10.45 - 11.00 Discussion on air emissions and modeling with presenters and other experts

Session 2: Benefits from compliance with SECA

- 11.00 - 11.15 Compliance measurements of ship emissions of Sulphur and NO_x from airborne and fixed remote measurements, by Prof. Johan Mellqvist, Chalmers University
- 11.15 - 11.30 Benefits of SECA compliance by Sari Repka, Environmental Specialist at University of Turku and Manager of the EnviSuM project
- 11.30 - 12.00 Coffee Break**

Session 3: Collaboration within Clean Shipping

- 12.00 - 12.10 LNG bunkering market development prospects in the Baltic Sea, representative of Gazprom Fuel
- 12.10 - 12.20 Green technology and alternative fuels in shipping, by Alexey Bakhtov, Project Researcher, HELCOM's Green Team
- 12.20 - 12.50 Discussion: How can we increase collaboration within Clean Shipping around the Baltic Sea? By presenters and other experts
- 12.50 – 13.00 Wrapping up, workshop statement