

1st Announcement and Call for Abstracts

SHIPPING AND THE ENVIRONMENT II - From Regional to Global Perspectives

4-6 September 2019

Gothenburg, Wallenberg Conference Centre, Medicinareberget

International conference on the environmental impacts of shipping and their coupling to the development of the maritime transport sector, policies and marine spatial planning. The conference is a joint event including Symposium on Scenarios and Policy Options for Sustainable Shipping, organised by the Interreg BSR CSHIPP platform, and four sessions focusing on emissions and abatement measures, atmospheric and marine processes and shipping-related above- and underwater noise, organised by Gothenburg Atmospheric Centre (GAC), International Surface Ocean - Lower Atmosphere Study (SOLAS) and BONUS secretariat.



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Background

Following the first S&E conference which took place in Gothenburg in October 2017, S&E II will provide a forum where progress in understanding of the impacts of shipping on the environment will be discussed. This will be done along with policies and abatement strategies for achieving an environmentally sustainable shipping sector with respect to acceptable climate change, good air quality in coastal regions and good environmental status of marine and coastal land ecosystems in line with the Sustainable Development Goals 'Good health and well-being', 'Life below the water', 'Life on land' and 'Climate action'. Papers addressing a wide range of topics related to environmental impacts of shipping on marine and terrestrial environment and climate, spanning from measurements, monitoring and compliance control of emissions, over modelling and field studies of impacts of shipping on the state of the environment to holistic impact studies, scenario developments and analyses of policies and abatement measures are welcome.

¹Photo: V. Matthias, ²M. Quante

Who should attend

- Scientific community; researchers and students from atmospheric, marine and climate research, environmental economics, political and social science
- Environmental and transport agencies
- Environmental managers from governmental, regional and local organisations
- Maritime transport sector

Organising committee

Jana Moldanova (IVL, SE), Johan Mellqvist (Chalmers, SE), Florent Nicolas (HELCOM secretariat, FI), Michael Gauss (MetNorway, NO), Markus Quante (HZG, DE), Emilia Tuominen (Centrum Balticum, FI), Riitta Pöntynen (University of Turku, FI), Anna Rutgersson (University of Uppsala, SE), Ida-Maja Hassellöv (Chalmers, SE), Erik Thompson (University of Gothenburg, SE)

Scientific program

- **Symposium on Scenarios and Policy Options for Sustainable Shipping (POL)** arranged by CSHIPP Project Platform, on 4th September (afternoon).
Assessment of impacts of shipping under different scenario developments on environment, ecosystem services, human health and society
- **S&E-2019 Session Emissions and abatement measures (EAM)**
Measurements and monitoring of shipping emissions and shipping contribution to air pollution including new methods and remote sensing, evaluation of different abatement measures for the shipping sector (e.g. exhaust gas cleaning technologies, new fuels, treatment of ship-generated wastewater, ballast water management, port reception facilities)
- **S&E-2019 Session Atmospheric processes (ATM)**
Observations related to the impact of shipping on air quality and atmospheric deposition, process studies about the dispersion and chemical transformation of shipping emissions, modelling of air pollution and climate change related to shipping on regional to global scale, modelling of air pollution from shipping in harbour cities
- **S&E-2019 Session Marine processes (MAR)**
Measurements and modelling of shipping related impacts on marine water column and environment, e.g. measurements of the signatures of shipping in the marine environment, monitoring and campaign measurements, experimental investigations of impacts of the pressures from shipping on the marine environment, toxicity studies etc. Studies of contributions of shipping to the loads of contaminants, eutrophying and acidifying substances as well as physical disturbance and the impact on marine ecosystems and relation to environmental assessments and environmental quality standards.
- **S&E-2019 Session Noise (NOISE)** - underwater noise and its impacts on marine biota, above-water noise and its impacts on human well-being
Measurements and modelling of under- and above-water noise emissions and propagation, studies on impacts of underwater noise on biota, studies of impacts of above-water noise on human health and well-being.

- **Poster session (POS)**

The poster session welcomes submissions addressing any of the above topical areas and especially crosscutting contributions.

Conference webpage, abstract submission and registration

Conference webpage S-and-E-2019.ivl.se will be continuously updated with the latest news about the conference. We invite participants to submit 1-page abstracts for oral or poster presentations in all sessions of the conference including the Symposium on Scenarios and Policy Options for Sustainable Shipping. The abstract submission will open in the beginning of March 2019 and will be opened until May 2019. Registration will be opened in April 2019.

Symposium fee

The Symposium on Scenarios and Policy Options for Sustainable Shipping organised by CSHIPP (4 September) is free of charge. The second and third day of the conference (5 and 6 September) is associated with a conference fee which will cover access to the conference and meals server during these 2 days, including the conference dinner (5 September). The exact price will be published on the conference webpage before the registration opens.

Further questions?

Contact us by e-mail S-and-E-2019@ivl.se