Roundtable discussion

Climate shipping pollution: piecemeal regulation for different objectives? Health, climate, environmental, and socioeconomic implications and challenges for green shipping propulsion

Hamburg, 12. / 13. March 2019
KlimaCampus Hamburg
Grindelberg 5
20144 Hamburg, Germany

Preliminary Agenda

Version, 11.2.2019

12th of March 2019

12.00 Snack and Get together

12.30 Welcome and introduction by Wilfried Rickels, Christiane Joerk, Daniela Jacob

12.45–13.30 Impact of ship emissions on air quality, by Volker Matthias
Comment by industry representative (7 min)
Discussion (15 min)

13.30–14.15 Climate effects of shipping by Johannes Quaas
Comment by industry representative (7 min)
Discussion (15 min)

14.15–15.00 Impacts of shipping on the aquatic environment by Anna Rutgersson
Comment by industry representative (7 min)
Discussion (15 min)

15.00–15.30 Coffee Break
15.30–17.30 **World Café**

Goal: Come up with open scientific questions considering the input and needs of the stakeholders

**Topic 1: Emission reduction regulations, technologies and their consequences**
Subtopic: Effects of Scrubbers and LNG. How mature are these technologies? What are the problems?

**Topic 2: Air quality and health**
Questions: What is the impact of current regulations? How useful are further regulations? Which would be most urgent for health protection?

**Topic 3: Climate effects and perspectives for carbon neutral shipping**
Questions: How useful is a global sulphur reduction w.r.t. climate effects? How can shipping become carbon neutral on the long run?

**Topic 4: Shipping effects on aquatic and terrestrial ecosystems**
Can we quantify shipping effects on water quality and land ecosystems?

**Topic 5: Socio-economic drivers for green shipping**
Questions: How do ship owners react to stricter regulations? Which implications on the ship trade do stricter regulations have?

17.30 **Plenum** – presentation of tables’ results and discussion of further proceedings

18.00 End of Day 1

19.00 *Dinner*

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**13th of March 2019**

09.00–10.15 **Podium discussion**: Socioeconomic and environmental implications of NOx and SOx regulations in context of SDGs (health and ocean) and GHG Emission Reduction goals, moderated by Christa Marandino

10.15–12.00 **Working groups** to outline interdisciplinary research proposals addressing the questions from Day 1 / drafting of a position paper

12.00 **Short presentations** on working group results
Discussion of outcome and further proceedings in plenum

12.30 Goodbye and Snack