

Final SOPRAN Meeting in Kiel, Audimax, 07 Sept. 2015

SOPRAN (Surface ocean Processes in the Anthropocene: www.sopran.pangaea.de) is funded by the German BMBF (*Bundesministerium für Bildung und Forschung*) from Feb 2007- Jan 2016. It is a German national contribution to the International SOLAS programme. It addresses three aspects of atmosphere-ocean interaction:

- how changing atmospheric composition (e.g. increased CO₂, dust) affects the surface ocean ecosystem
- how climate-related changes in surface ocean processes (upwelling, mixing, light, biology) alter oceanic emissions to the atmosphere
- the mechanisms and rates of ocean-atmosphere material exchanges

SOPRAN's focus is on processes operating within and close to the surface ocean, and their potential changes over the next century. The project is an integrated study of surface ocean response to global atmospheric change, combining the insights gained from different disciplines (marine and atmospheric chemistry, biological and physical oceanography) and methods (observations and modelling). SOPRAN aims to deliver an improved description of the effects of global atmospheric change on the sensitive marine ecosystems.

The final SOPRAN Meeting was held on the 7th of Sept. in the Audimax in Kiel as a part of the international SOLAS Open Science Conference (07-11 Sept. 2015). More than 50 people participated in the meeting with presentation of the results from 9 years of SOPRAN: A selection of public Overview and Highlight Talks were given by Hermann Bange (GEOMAR, Kiel), Birgit Quack (GEOMAR, Kiel), Damian Arévalo Martínez (GEOMAR, Kiel), Hartmut Herrmann (IfT-TROPOS, Leipzig), Ying Ye (AWI, Bremerhaven), Bernd Jähne (Univ. Heidelberg) and Christian Stolle (IOW, Warnemünde). Finally, the brochure 'SOPRAN - Retrospect and Quintessence' was presented and released by Hermann Bange. The SPRAN brochure is available as low-resolution pdf from <http://sopran.pangaea.de/news/finalsopranmeetinginkiel07sept2015>



Impression from the Final SOPRAN Meeting in Kiel, 07 Sept 2015 (photo: HW Bange)

The meeting agenda is attached.

SOPRAN Final Meeting

Venue: Audimax, Kiel University, Christian-Albrechts-Platz, 24118 Kiel, Germany
The exact room will be announced and signposted on Monday, 7th September.

Time	Monday, 7 September 2015
13:30	SOPRAN internal meeting, not open to the public
14:30	Coffee Break
14:45	Welcome, Hermann Bange
15:00	Overview: Climate relevant trace gas fluxes, Birgit Quack (GEOMAR, Kiel)
15:30	Highlight Talk: Nitrous oxide emissions from eastern boundary ecosystems: case studies from the Peru and Benguela upwelling regions, Damian Arévalo Martínez (GEOMAR, Kiel)
15:45	Overview: Oceanic responses to atmospheric drivers, Hartmut Herrmann (IfT-TROPOS, Leipzig)
16:15	Highlight Talk: Role of dust particles in supplying and scavenging dissolved iron in the tropical eastern North Atlantic, Ying Ye (AWI, Bremerhaven)
16:30	Coffee Break
17:00	Overview: Air/sea gas exchange and the surface microlayer, Bernd Jähne (Univ. Heidelberg)
17:30	Highlight Talk: Interaction of organic material and bacteria at the air-sea interface, Christian Stolle (IOW, Warnemünde)
17:45	Release of SOPRAN Brochure Concluding Remarks, Hermann Bange
18:00	End of Meeting

