

Biogeochemical Studies in the Siberian Shelf Seas

**Kiel,
27-28 January 2016**

Draft program

Venue:
GEOMAR, Conference Hall, East Shore Campus, main building (no. 8)

Tuesday, 26 January 2016

Arrival of the participants
Checking into the Hotel Am Segelhafen, Schoenberger Str. 32-34, Kiel

19:00 Icebreaker/ dinner at the GEOMAR Cafeteria, main building (no. 8)

Wednesday, 27 January 2016

09:00-09:15 Welcome, schedule, practical details
M. van der Loeff, H. Kassens

Plenary talks: Presentations of ongoing programs with objectives, institutions and scientists involved, expeditions, field methods, major results

Session chair: Heidi Kassens

NABOS

09:15-09:30 NABOS
V. Ivanov

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09:30-09:45 NABOS
R. Rember

09:45-10:00 NABOS
T. Kanzow

SWERUS/ISSS-08

10:00-10:20 SweRus background and results; some results from ISSS-08
L. Anderson

10:20-10:40 ISSS-08 background and results; studies on Lena River input
P. Andersson, D. Porcelli

10:40-11:00 Carbon cycling on the East Siberian Arctic shelf; results from the ISSS-08 cruise
B. van Dongen

11:00-11:30 Coffee break

GEOTRACES

11:30-11:45 Arctic GEOTRACES – Introduction
M. van der Loeff

11:45-12:00 Arctic GEOTRACES – US Expedition 2015
D. Kadko

12:00-12:15 GEOTRACES in Atlantic Ocean and Arctic-Eurasian Basin
M. Rijkenberg

12:15-12:30 Case study “Mercury”
L.-E. Heimbürger

12:30-14:00 Lunch at the GEOMAR Cafeteria

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Plenary talks continued

Session chair: M. van der Loeff

OTHER BIOGEOCHEMICAL STUDIES IN THE SIBERIAN SHELF SEAS

- 14:00-14:20 JAMSTEC researches on the biogeochemical dynamics in the Siberian Arctic Ocean and their differences from those on the Alaskan side
S. Nishino
- 14:20-14:40 Results of the research expeditions to the Barents, Kara and Laptev Sea by P.P. Shirshov Institute of Oceanology of RAS during the last years (2007-2015)
M. Kravchishina
- 14:40-15:00 Variability of the transpolar system of the Arctic Ocean
L. Timokhov
- 15:00-15:20 Arctic-GRO
R. Spencer (SKYPE)
- 15:20-15:40 RUSALCA
M. Pisareva
- 16:00-16:30 Coffee break

TRANSDRIFT

- 16:30-16:45 Transport of dissolved organic matter and associated freshwater pathways in the Laptev Sea
J. Hölemann, D. Bauch and members of the "Laptev Sea System" project
- 16:45-17:00 Hydrochemical conditions on the Laptev Sea shelf in summer
A. Novikhin, V. Povazhnyy, J. Hölemann, F. Martynov
- 17:00-17:15 Water mass provenance and mixing in the Laptev Sea based on dissolved Nd isotopes and REE distributions
G. Laukert, M. Frank, E.C. Hathorne, C. Wegner, D. Bauch, H. Kassens, L. Timokhov
- 17:15-17:30 Biochemical studies in the Laptev Sea
V. Povazhnyy

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Discussions

17:30 Discussions

19:00 Dinner at the GEOMAR Cafeteria

Thursday, 28 January 2016

Plenary talks: Presentations of ongoing programs with objectives, institutions and scientists involved, expeditions, field methods, major results

Session chair: C. Wegner

EARLY CAREER SCIENTISTS: SHORT PRESENTATIONS

(All talks 10 min. + 5 min. discussion)

09:00-09:15

S. Gdaniec

09:15-09:30

N. Casacuberta Arola

09:30-09:45

I. Kryukova

09:45-10:00

R. Paffrath

10:00-10:15

T. Shiozaki

10:15-10:30

H. Reader

10:30-11:00

Coffee break

Biogeochemical Studies in the Siberian Shelf Seas

Plenary discussions

Session chair: M. van der Loeff

- 11:00-12:30 Plenary discussions. Suggested topics:
- Where do programs complement each other? Identifying fields of synergy
 - Identifying overarching themes: freshwater budget, origin and characteristics of the Transpolar Drift, distinguishing Pacific/ Atlantic water, land-shelf-basin interactions

12:30-14:00 Lunch at the GEOMAR Cafeteria

Plenary discussions

Session chair: H. Kassens

- 14:00-15:30 Plenary discussions. Suggested topics:
- Identify gaps in knowledge
 - Explore options for future cooperation in studies and expeditions:
 - How can we involve more Russian scientists?
 - How can we organize future expeditions to the Russian shelf with Russian ships?
 - What options are there to bring ultraclean sampling gear onto Russian ships?

15:30-16:00 Coffee break

Biogeochemical Studies in the Siberian Shelf Seas

Plenary discussions

Session chair: H. Kassens, M. van der Loeff

16:00-18:30

Plenary discussions:

- Synthesis of the meeting, distribution of tasks and responsibilities for writing a meeting report and EOS publication
- Outline for meeting report and EOS publication

19:00

Dinner at the GEOMAR Cafeteria

Friday, 29 January 2016

Departure