10th Workshop on Russian-German Cooperation: Laptev Sea System

PROGRAM

December 17, 2012

15:00 – 18:15 Registration at GEOMAR, Building 4, Room 328 (4th floor)

19:00 Icebreaker party (GEOMAR, Building 8, Entrance hall)

December 18, 2012

Venue of all scientific sessions is:
Institute of Polar Ecology, Wischhofstr. 1-3, building 12, 4th floor

09:30 – 10:00 10th Workshop on Russian-German Cooperation: Laptev Sea System
– Opening remarks –
• Prof. Dr. P. Herzig, Director of GEOMAR
• U. Döring, Former Minister of Justice, Labour and European Affairs of Schleswig-Holstein and participant of the expedition TRANSDRIFT XV (2009)
• I. Vorobyev, Vice Director of the Lena Delta Nature Reserve, Tiksi
• Prof. Dr. L. Timokhov, Arctic and Antarctic Research Institute, St. Petersburg

10:00 – 10:20 Overview lecture: The Eurasian shelf seas in the Arctic’s changing environment: frontal zones and polynya systems in the Laptev Sea
Kassens, H.

Session I: Ocean/sea-ice/atmosphere observations in and around the Laptev Sea Polynya
Chairpersons: Hölemann, J.A. & Kirillov, S.

10:20 – 10:40 Overview lecture: Hölemann, J.A.

10:40 – 11:00 Coffee break

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Meteorological observations during Laptev Sea winter expeditions in the years 2008, 2009 and 2012

11:20 – 11:40 Kirillov, S., Dmitrenko, I., Hölemann, J.A., Bloshkina, E.: The oceanographic research in the Laptev Sea: an overview of major results obtained during the 5-years’ journey with the "Laptev Sea System" project


12:00 – 12:20 Ivanov, V.: Ocean heat effect on the observed and predicted reduction of Arctic sea ice


12:40 – 13:00 Willmes, S., Adams, S., Schröder, D., Bauer, M., Heinemann, G.: Ice production in the Laptev Sea: Leads vs. polynyas

13:00 – 14:30 Lunch break

14:30 – 14:50 Makshtas, A.P., Bogorodskiy, P.V., Kustov, V.Yu.: Land-fast ice in the Sogo Bay (Tiksi Gulf)


15:10 – 15:30 Sheykin, I.B.: Structure and texture of fast ice in the eastern Laptev Sea

15:30 – 15:50 Coffee break

Session II: Geochemical and sedimentological tracers from the Laptev Sea

Chairpersons: Bauch, D. & Novikhin, A.

15:50 – 16:10 Overview lecture: Bauch, D.

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16:30 – 16:50  Semeryuk, I., Bauch, D.: Identification and distribution of sea ice derived brine signals on the Laptev Sea shelf area based on stable oxygen isotope and salinity data


17:10 – 17:30  Vinogradova, E.: A riverine water share in the shelf halocline water

17:30 – 17:50  Taldenkova, E., Chistyakova, N., Ovsepyan, Ya., Stepanova, A., Bauch, H.A., Spielhagen, R.F.: Water mass changes and environmental transformation of the Laptev Sea continental margin since last deglacial times

18:00 – 19:00 Time slot for meetings of individual working groups if required

19:30  Conference dinner at the GEOMAR Cafeteria

December 19, 2012

Session III: Ecological importance of frontal zones and polynyas in the Laptev Sea
Chairpersons: Wegner, C. & Abramova, E.

09:20 – 09:40  Overview lecture: Wegner, C.


10:00 – 10:20  Chetverova, A., Fedorova, I., Potapova, T.: Geochemical characteristic of the Lena River delta, East Siberia, Russia

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10:40 – 11:00 Wittbrodt, K., Wegner, C., Hölemann, J., Kassens, H., Meier, S., Abramova, E., Martynov, F.: Dynamics of particle distribution during ice-free conditions on the Laptev Sea shelf

11:00 – 11:20 Coffee break


11:40 – 12:00 Abramova, E. (no title yet)

12:00 – 12:20 Ovsepyan, Ya., Taldenkova, E.E.: Distribution of modern foraminiferal assemblages in the Laptev Sea


12:50 – 14:20 Lunch break

Session IV: Remote sensing and modelling of sea-ice and ocean dynamics in the Laptev Sea

Chairpersons: Heinemann, G. & Makshtas, A.

14:20 – 14:40 Overview lecture: Heinemann, G.

14:40 – 15:00 Adams, S., Willmes, S., Schröder, D., Heinemann, G., Bauer, M., Krumpen, T.: Improvement and sensitivity analysis of thermal thin-ice thickness retrievals

15:00 – 15:20 Antonova, S., Krumpen, T., Gerdes, R., Hölemann, J.A.: Spatial and temporal variability of landfast ice in the Laptev Sea


15:40 – 16:00 Fofonova, V., Wiltshire, K., Danilov, S.: The simulations of circulation in the Laptev Sea using FVCOM
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16:00 – 16:20 Coffee break
16:40 – 17:00 Kulakov, M.Yu., Makshtas, A.P., Shutilin, S.V.: AARI–IOCM - coupled ice-ocean circulation model for the Arctic Ocean
17:00 – 17:20 Repina, I.A., Aniferov, A.A., Chechin, D.G.: Modelling and observation of the atmospheric boundary layer processes above
19:00 – 21:00 Weihnachtsmarkt Kiel

December 20, 2012

Meetings of individual working groups if required

December 21, 2012

Departure