

PROGRAM
OSL Fellowship Meeting 2010

December 9 and 10, 2010
OSL/AARI, St. Petersburg

Agenda

| <i>Time</i> | <i>Event, place of event</i> |
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| | December 09, 2010 |
| 18:00 | Christmas get-together: exchange of thoughts and ideas (OSL) |
| | December 10, 2010 |
| | Middle hall AARI |
| 10:00 | Welcome <ul style="list-style-type: none"> • I.E. Frolov, AARI Director • F. von Weyhe, Generalkonsulat St. Petersburg |
| 10:15 | <u>Timofeeva A.</u> Multiyear Variations of Sea Ice Thickness in the Laptev Sea by Data Derived in the Annual 'Sever' Expedition during 1968-1990 |
| 10:30 | Frolova L., Ushnitskaya L., Tumanov O. Tracking environmental change using intertebrate bioindicators from lakes of northern Yakutia (Siberia, Russia). Step toward a regional bioindicators-climate transfer |
| 10:45 | <u>Matveeva T., Korshunov D., Logvina E.</u> Gas seepage and possibilities for the shallow gas hydrate accumulation at the Barents and Kara seas |
| 11:00 | <u>Morozova E., Andreev A., Fedorov G., Schwamborn G., Schirrmeister L.</u> Late Pleistocene and Holocene vegetation history as inferred from palynological investigations of the El'gygytgyn Lake Crater permafrost deposits |
| 11:15 | <u>Ostanin N., Fedorov G., Schwamborn G., Schirrmeister L.</u> Sedimentation history of the fluvial fan in El'gygytgyn Lake Crater based on D3-core lithology, physical properties and geochemistry |
| 11:30 | Coffee-break (OSL) |
| 12:00 | <u>Ivanov V., Nikolaev V., Il'ina A.</u> Dense water formation on the Laptev Sea shelf in the changing Arctic |
| 12:15 | <u>Chernyavskaya E.</u> Interannual variability of the Arctic Ocean surface layer in winter and its causes |
| 12:30 | <u>Abramova E., Martynov F., Taborskiy D.</u> Variability of the Laptev Sea polynya region in 2007-2009 |
| 12:45 | <u>Semenova O., Lebedeva L., Kotova N.</u> Assessment of climate change impact on hydrological regime of small rivers in Eastern Siberia |
| 13:00 | Lunch (cafe "Arctica") |

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| 14:00 | <u>Shevchenko V., Goryunova N., Starodymova D.</u> Aeolian transport and fluxes of matter (including pollutants) in the Arctic |
| 14:15 | <u>Goryunova N.</u> Input and distribution of nano- and microparticles (dispersed sedimentary matter) in the Arctic at the border ocean-atmosphere |
| 14:30 | <u>Repina I., Fomin N., Chechin D.</u> Investigation of atmosphere-sea-ice interaction in Laptev sea over polynya and leads |
| 14:45 | <u>Anisimov O., Reneva S., Kokorev V.</u> Evaluation of the coupled permafrost-vegetation response to climate change |
| 15:00 | <u>Polyakova Ye., Abramova E., Kassens H., Hoелеmann J., Astakhova L., N.Man'ko.</u> Sea-ice microalgal and ice-edge phytoplankton communities from the Laptev Sea polynya during the spring 2008 |
| 15:15 | <u>Taldenkova E., Bauch H., Gottschalk J., Nikolaev S., Rostovtseva Yu., Ovsepyan Ya., Pogodina I., Kandiano E.</u> History of ice-rafting and water mass evolution at the northern Siberian continental margin (Laptev Sea) during Late Glacial and Holocene times |
| 15:30 | <u>Savelieva L., Vakhrameeva P., Titova D.</u> Holocene palaeoclimate of the Laptev Sea region from pollen signal changes in lake sediments along a transect from tundra to forest |
| 15:45 | <u>Ivanova E., Ovsepyan E.</u> Millennial-scale variability of paleoenvironments on the Shirshov Ridge, Bering Sea, during the last climatic cycle. |
| 16:00 | Poster and beer |
| | Poster presentation (3 min.) |
| | <u>Chernyavskaya E.</u> Statistical analysis of the Arctic Ocean surface layer salinity" |
| | <u>Fedorov G., Schwamborn G., Morozova E., Ostanin N., Andreev A., Schirrmeister L.</u> Late Pleistocene and Holocene environmental history in the El'gygytgyn Lake Crater area based on permafrost deposits study |
| | <u>Ovsepyan Ya., Taldenkova E., Stepanova A., Bauch H., Rudenko O.</u> Late Saalian-Eemian environmental changes in the NE White Sea Region |
| | <u>Starodymova D., Shevchenko V., Pokrovskiy O.</u> Elemental composition of lichens in the coastal areas of Arctic seas as indicator of aeolian input |
| | <u>Stepanova A., Taldenkova E., Bauch H.</u> Ostracod paleoecology and environmental changes in the Laptev and Kara seas during the Postglacial transgression |
| | <u>Titova D., Savelieva L., Vakhrameeva P.</u> Subfossil pollen spectra and modern vegetation in the Delta Lena |
| | <u>Vakhrameeva P., Savelieva L., Titova D.</u> Grain-size, biogenic elements and fossil pollen in sedimentary records of Northern Yakutia lakes |
| | <u>Chetverova A.</u> Hydrochemical runoff of the Upper Lena River. Characteristic of geochemical processes into the Lena delta |
| | <u>Martynov F., Abramova E., Novikhin A., Taborskiy D.</u> New evidence of high peak chlorophyll value nearby pycnocline in the Laptev Sea |
| | <u>Ovsepyan E., Ivanova E., Nürnberg D., Riethdorf J.</u> Reconstruction of bottom water ventilation and export production based on benthic foraminiferal assemblages from the Shirshov Ridge (Bering Sea) during MS1-2 |
| | <u>Frolova L., Tumanov O., Herzs Schuh U.</u> First investigation of sub-fossil Cladocera from the sediment of thermokarst lakes in NE Siberia, Russia |

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| | Anisimov O., Kokorev V., <u>Reneva S.</u> Evaluation of the coupled permafrost-vegetation response to climate change: synthesis of observations and modeling |
| | <u>Polyakova Ye.</u>, Abramova E., Kassens H., Hoelemann J., Astakhova L., Man'ko N. Sea-ice microalgal and ice-edge phytoplankton communities from the Laptev Sea polynya during the spring 2008 |
| | Chechin D., <u>Repina I.</u>, Lüpkes C. Nonhydrostatic modelling of the atmospheric boundary layer over inhomogeneous ice cover |
| | <u>Ivanov V.</u>, Nikolaev V., Il'ina A. Dense water formation on the Laptev Sea shelf in the changing Arctic. |
| | Matveeva T., <u>Korshunov D.</u>, Logvina E. Gas seepage and possibilities for the shallow gas hydrate accumulation at the Barents and Kara seas. |
| 17:30 | Discussion and wrap-up |
| 18:00 | Adjourn |