

**Bilateral kick-off meeting of the Russian-German “CarboPerm” project:
on the formation, turnover and release of carbon
in Siberian permafrost landscapes”**

St. Petersburg
6-7 March 2014

Venue: Arctic and Antarctic Research Institute (AARI), Middle Hall, OSL
Beringa street 38, St. Petersburg

Wednesday, 5 March 2014

Arrival and transfer to a hotel

Thursday, 6 March 2014

- 9:30-9:35 Welcome from AARI (Director AARI Prof. Dr. I.Frolov)
- 9:35-9:40 Overview of the meeting program and OSL (Prof. Dr. I. Fedorova)
- 9:40-9:50 General overview of the CarboPerm Project (Prof. Dr. H.-W. Hubberten, Prof. Dr. E.-M. Pfeiffer)
- 9:50-10:00 Overview of Russian Partners (Prof. Dr. D. Bolshiyarov, Dr. M Grigoriev)

10:00-14:40 Work Packages (WP) introductions: goals, aims and approaches

Work Packages (WP) 1: Scientific and logistical coordination

- 10:00-10:10 Introduction of scientific and logistic coordination (Dr. S. Zubrzycki / Dr. G. Schwamborn)
- 10:10-10:20 Logistic of expeditions (Dr. A. Makarov / W. Schneider)
- 10:20-10:30 Perspectives of joint geomorphological and soil investigations in the Lena Delta (Prof. Dr. D. Bolshiyarov)
- 10:30-11:00 break (middle hall)

Work Packages (WP) 2: Fossil carbon – origin, properties and dynamics

- 11:00-11:10 Fossil carbon – origin, properties and dynamic (Dr. L. Schirrmeister)

11:10-11:20 Perspectives of the Lena delta taliks drilling (Dr. G. Grigoriev)

Work Packages (WP) 3: Age and quality of organic matter

11:20-11:30 Scientific goals of TP3: Application of lipid biomarkers and ¹⁴C dating (Prof. Dr. J. Rethemeyer)

11:30-11:40 Export of carbon from Permafrost as revealed by biomarkers (Prof. Dr. G. Mollenhauer)

11:40-11:50 Perspectives of Tura region investigation for the CarboPerm project (Dr. A. Prokushkin)

11:50-12:00 Permafrost Hydrology as a factor of carbon-turnover (Prof. Dr. I. Fedorova)

Work Packages (WP) 4: Modern carbon exchange processes in permafrost landscapes

12:00-12:10 (Working title) Scientific goals. Modern carbon exchange processes in permafrost landscapes (Prof. Dr. L. Kutzbach / Prof. Dr. E.-M. Pfeiffer)

12:10-12:20 Role of scales in permafrost carbon cycle processes (Dr. M. Göckede / Prof. Dr. M. Heimann)

12:20-12:30 Humic substance in permafrost affected soils (Prof. Dr. E. Abakumov)

12:30-12:40 Estimations of methane and carbon dioxide emission in tundra ecosystems (Dr. G. Kraev / A. Pochikalov)

12:40-13:40 lunch

Work Packages (WP) 5: Microbial carbon transformation in permafrost soils and sediments

13:40-13:50 Microbial carbon transformation in permafrost soils and sediments: microbial community structure, function and processes (Prof. Dr. D. Wagner / Dr. C. Knoblauch / Dr. K. Mangelsdorf)

13:50-14:00 A comparison of microbial community structure and activity of Siberian arctic and sub-arctic permafrost-affected soils (Dr. S. Evgrafova , Prof. Dr. I. Grodnitskaya, S. Syrtsov.

Work Packages (WP) 6: Process-oriented modeling of carbon dynamics

- 14:00-14:10 (Working title) Scientific goals. Quantify alterations of the climate-carbon cycle feedback mechanism due to permafrost state conditions (Dr. C. Beer)
- 14:10-14:20 (Working title) Process-oriented modeling of carbon dynamics (Prof. Dr. V. Brovkin)
- 14:20-14:30 Permafrost dynamics under anthropogenic forcing (Dr. A. Eliseev)
- 14:30-14:40 Investigations of soil active layer in HMO Tiksi and perspectives for permafrost NS GHG studies at Bolshevik Island (Dr. P. Bogorodsky, Dr. A. Makshtas, V.Kustov)

14:40-17:45 Workshops of the individual WPs: organization of their WPs, précising scientific plans, WP internal meetings, and expeditions

- WP 1, 2 in the OSL
- WP 3 FRAM (near OSL)
- WP 4 Middle hall
- WP 5 Small hall (the 2d floor of AARI)
- WP 6 Study class (the 2d floor of AARI)

- 16:00 coffee for “to go” to the individual workshops (OSL)
- 17:45-18:00 excursion in OSL (Dr. I. Fedorova)
- 19:00 Common dinner in AARI

Friday, 7 March 2014

09:00-09:30 coffee in OSL

***09:30-13:00 continuation of workshops of the individual WPs
And presentation of outcomes***

09:30-10:30 Russian and German WP members sit together – conclusion and summarizing

10:30-13:00 WPs present the outcomes of group discussions

13:00-14:00 lunch

14:00-15:00 CarboPerm Expeditions in 2014 and 2015 (logistics, transport of samples and equipment)

15:00-15:45 Discussion on additional special topics:
Scientific driven education exchange
Joint lab and field courses
MSc program / PhD Panel system
CarboPerm web-site and joint publications

15:45-16:00 Meeting closure

16:00-19:00 Common excursion (Bus city tour)

19:00 Individual dinner

Departure

Saturday, 8 March 2014

Departure