

**Workshop “Environmental Studies in the Boreal Forest Zone”. Moscow,
Fedorovskoe, Tver’ Area, Russia; July 14-28, 2007**

Program of activities (as it was)

Day	Time	Speaker	Topic/Title
14 July, 2007, Saturday Arrival to Moscow, Russia			
15 July, 2007, Sunday Arrival to Moscow, Russia			
16 July, 2007 Monday, 1 st half of the day; Severtsov Inst., Moscow	9.00 - 9:30	Rozhnov Groisman	Introduction
	9:30 - 10:30	Velichko	Climatic changes in Northern Eurasia during the past 130,000 years
	10:30 – 10:50	Coffee Break	
	10:50 - 11:50	Korovin	Major disturbances in the boreal forest zone (with interpret.)
	11:50 – 12:30	Khasanov	Paleoclimatic studies in the boreal zone
16 July, 2007; Monday; 2 nd half of the day: Departure to Fedorovskoe (bus)			
17 July, 2007 Tuesday, 1 st half of the day; Fedorovskoe	9.00 - 9:15	Potemkin, Korablev	Open ceremony; History of the Central Biospheric Reserve (CBR)
	9:15 – 10:00	Puzachenko	Biospheric reserves and their role in sustainable regional development
	10:00 – 11:00	Groisman	Climatic change from in-situ data
	11:00 – 11:15	Break	
	11:15 - 12:45	Hughes	Climatic change from paleodata
	12:45 – 14:00	Lunch	
17 July, 2007 Tuesday, 2 nd half of the day; Fedorovskoe	14:00 – 15:45	Gutman	Land-cover/use interactions with changing climate
	15:45 – 16:00	Break	
	16:00 – 17:45	<i>Free time</i>	
	18:00 – 21:00	<i>Icebreaker, Barbeque Dinner</i>	
18 July, 2007 Wednesday, 1 st half of the day; Fedorovskoe	9:00 – 9:45	Lukina	International Cooperative Program "Forests": Perspectives of the program implementation in Russia
	9:45 - 10:15	Sparrow	International Polar Year 2007-2009
	10:15 – 10:45	Groisman	Northern Eurasia Earth Science Partnership Initiative research projects in the boreal forest zone
	10:45 -11:00	Break	
	11:00 -12:45	Gutman	LCLUC regional and continental studies
	12:45 -14:00	Lunch	
18 July, 2007 Wednesday, 2 nd half of the day; Fedorovskoe	14:00 – 15:45	Ozdogan	Biospheric remote sensing in the forest zone: Methods used in the United States
		Break	
	16:00 – 18:00	Cartus, Schmullius	Biospheric remote sensing in the forest zone: Methods used in the European Union

Day	Time	Speaker	Topic/Title
19 July, 2007 Thursday, 1 st half of the day; Fedorovskoe	9.00 - 10:45	Maslov	1. Biospheric remote sensing in the forest zone: Practical lessons 2. Recent successions in Central Russia boreal forests and climate change
	10:45 – 11:00	Break	
	11:00- 11:45 12:00-12:45	Puzachenko Kurbatova Tatarinov	Land Atmosphere Interactions: Field studies at the Carbo-Europe flux tower in The Central Forest Reserve; Types of the field work in the boreal forest zone; Field exercise on recognizing major environmental characteristics observed from space
19 July, 2007 Thursday, 2 nd half of the day; Fedorovskoe	13:30 – 14:00	Sack Lunch	
	14:00 – 17:45	Puzachenko Balashov Tatarinov	Land Atmosphere Interactions: Field studies at the Carbo-Europe flux tower in The Central Forest Reserve; Types of the field work in the boreal forest zone; Field exercise on recognizing major environmental characteristics observed from space. Continuation.
	17:45 – 19:00	Dinner	
	19:00 – 21:00	Round Table. “Gaps in Understanding and Integration of Environmental Studies in the boreal forest zone: Remote Sensing Products”	
20 July, 2007 Friday, 1 st half of the day; Fedorovskoe	9:00 – 10:45	Heimann	Siberia in the Global Carbon Cycle
	10:45 -11:00	Break	
	11:00 -12:45	Maksyutov	Bioclimatological Modeling: Continental scale
20 July, 2007 Friday, 2 nd half of the day; Fedorovskoe	12:45 -14:00	Lunch	
	14:00 – 14:45	Shmakin	Modeling the land – atmosphere interaction on regional scale (hydrological aspects)
	14:45 – 15:45	Oltchev	Modeling of land - atmosphere interactions on the regional scale (Modeling CO ₂ fluxes)
	15:45 – 16:00	Break	
	16:00 – 17:45	Schmakin, Gusev, Nasonova	Hydrological modeling in the boreal forest zone
	17:45 – 18:00	Bonn	Methane emissions from Western Siberian wetlands: heterogeneity and sensitivity to climate change
	18:00 – 19:00	Dinner	
	19:00 – 21:00	Round Table. “Gaps in Understanding and Integration of Environmental Studies in the boreal forest zone: Linking Biospheric and climate modeling”	

Day	Time	Speaker	Topic/Title
21 July, 2007 Saturday, 1 st half of the day; Fedorovskoe	9.00 - 10:00	Oltchev	Bioclimatological Modeling: "Gridcell" scale; SVAT modeling
	10.00 - 10:45	Mikhailov	Modeling forest dynamics at local scale
	10:45 – 11:00	Break	
	11:00 - 12:45	Puzachenko Tatarinov Reserve staff	Field studies along the Ecological Transect and at the oligotrophic bog
21 July, 2007 Saturday, 2 nd half of the day; Fedorovskoe	13:30 – 14:00	Sack Lunch	
	14:00 – 17:45	Puzachenko Tatarinov Reserve staff	Field studies along the Ecological Transect and at the oligotrophic bog; Continuation
	17:45 – 19:00	Dinner	
	19:00 – 21:00	Round Table. "Integration of biospheric, climatic, and hydrological studies in the boreal forest zone"	
22 July, 2007 Sunday, 1 st half of the day; Fedorovskoe	9: 00 - 9: 45	Heimann	Modeling: Some "Words of Wisdom"
	9:45 – 10:30	Oltchev	Bioclimatological Modeling: Summary of achievements and perspectives for future research
	10:30 – 10:45	Shuman	Regional Russian Forest Dynamics and Response to Climate Change
	10:45 - 11:00	Break	
	11:00 -12:45	Tchebakova	Potential climate-induced vegetation change in Siberia by the end of the century
	12:45 -14:00	Lunch	
22 July, 2007 Sunday, 2 nd half of the day; Fedorovskoe	14:00 – 15:45	Hughes	Methods of paleoclimatic studies with application to the NEESPI area
		Break	
	16:00 – 17:45	Puzachenko	Climatic determination of the biosphere landscape cover
Day	Time	Speaker	Topic/Title
23 July, 2007 Monday, 1 st half of the day; Fedorovskoe	9:00 – 10:45	Groisman	NEESPI, IPY, and our Workshop (Intermediate Summary)
	10:00 – 10:45	Oltchev	Case Study in the boreal forest zone: Overview of the Volga-Forest Project
	10:45 – 11:00	Break	
	11:00 - 12:45	Karpachevsky	Biochemistry of soils in the boreal forest zone
23 July, 2007 Monday, 2 nd half of the day; Fedorovskoe	12:45 – 14:00	Lunch	
	14:00 – 14:50	Repina	Air-Snow Interaction. The snow surface properties
	14:55 - 15:45	Groisman	Snow observations in boreal zone
	15:45 – 16:00	Break	
	16:00 –17:45	Romanov	Snow monitoring from satellites

24 July, 2007; Tuesday, Bubonitsy, Field Trip to Biostation “Chisty Les”. Full day travel			
25 July, 2007 Wednesday, 1 st half of the day; Fedorovskoe	9:00 – 10:45	Kattsov	Climatic models: Evaluation
	10:45 -11:00	Break	
	11:00 -12:15	Kattsov	Climatic models: Understanding the past and projecting the future
	12:15 – 12:45	Sogachev	Modeling of airflow over inhomogeneous vegetation at microscale
25 July, 2007 Wednesday, 2 nd half of the day; Fedorovskoe	12:45 -14:00	Lunch	
	14:00 – 15:30	Olchev / Kurbatova	Linking bioclimatological modeling and field observations
	15:30 -15:45	Break	
	15:45 – 17:45	Lopes de Gerenyu	Land Atmosphere Interactions: Field studies of soil respiration
26 July, 2007 Thursday, 1 st half of the day; Fedorovskoe	9:00 – 10:00	Kurganova Lopes de Gerenyu	Soil respiration: Summary results
	10:00-10:45	Alexeev	Interaction between high latitude- and global warming
	10:45 – 11:00	Break	
	11:00 - 12:45	Alexeev/ Romanovsky	Permafrost in the Arctic
	12:45 – 14:00	Lunch	
26 July, 2007 Thursday, 2 nd half of the day; Fedorovskoe	14:00 – 17:45	<i>Presentations of</i> Lisitsyna	<i>the School Participants</i> Spatial reconstruction of vegetation in Europe based on pollen evidence: First results Effects of Logging on Carbon Dynamics of a Jack Pine Forest in Saskatchewan, Canada Monitoring and modeling of ecosystems in the North-East China and the Yellow River Delta Introduction of deforestation on the Tibetan Plateau Ecological and geographical differentiation of the Siberian stone pine: Method <i>ex situ</i> Study on Catchment Water Cycle Simulation in Changing Environment
		Howard	
		Hou	
		Cui	
		Kuznetsova	
		Ye	
27 July, 2007; Friday, Bio-Station Zapadnaya Dvina. Field Trip. Evening: Farewell supper, barbeque			
28 July, 2007 Saturday	9:00 – 11:40	Reports of young career scientists, Adjourn.	
	11:45 – 13:00	Lunch	
2 nd half of the day. Departure to Moscow (buses)			

Field studies are marked with grey shading