

Session outline

Atmospheric and Hydrospheric Sciences (A)		
Session Sub Category	Cryospheric Sciences & Cold District Environment (CC)	
Session ID	A-CC03	
Title	Changes in Northern Eurasia and the Arctic: Their feedbacks to the Globe	
Short title	Changes in Northern Eurasia and Arctic	
Convener	Name	Pavel Groisman
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Co-convener 1.	Name	Shamil Maksyutov
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International Symposium	'International Symposium' in addition to Scientific session.	
Language	English	
Scope	<p>The Northern Eurasia Earth Science Partnership Initiative (NEESPI) was launched as an interdisciplinary program of internationally-supported Earth science research addressing large-scale and long-term manifestations of climate, environmental, and socioeconomic changes (focusing on Northern Eurasia) that affect the rate of global change through atmosphere-biosphere-cryosphere interactions and through strong biogeophysical and biogeochemical couplings. The goal of the proposed Session is to bring together scientists who conduct their studies in the region to share their findings, to discuss the yet unresolved problems, and to establish fruitful collaboration within a broad range of the disciplines and research groups. We invite presentations on the biogeochemical cycles, the surface energy budget and water cycle, climate and terrestrial ecosystems interactions (land cover and land use, atmospheric aerosols, soil, permafrost, and, in particular, changes in the high latitudes of Eurasia (tundra and taiga climatic zones) and weather extreme changes that affect and are being affected by climate and ecosystems changes), human dimension that includes, in addition to regional impact studies of environmental changes, the feedback studies of societal and land use changes on regional and global environment and climate, and tools</p>	

	to address the Northern Eurasia and the Arctic studies (paleoclimatic reconstructions, present and past field campaigns, remote sensing, and modeling). Since the past year, the particular focus of the international NEESPI Sessions has been on the studies of the early career scientists. Participation in one of the 156 NEESPI projects is not a prerequisite and representatives of each research group that studies the North Eurasian Earth System are welcome.
Type of presentation	Oral and Poster presentation
Invited papers	Nadezhda Tchebakova (SibRAS Sukachev Forest Institute, Krasnoyarsk, Russia) Qianlai Zhuang (Purdue University, USA) Vladimir Alexeev (University of Alaska-Fairbanks, USA)