

PAGES workshop

"Overcoming reductionism when linking climate variability with human history – a cross-disciplinary approach in the Altai Mountains"

*Siberian Federal University, Krasnoyarsk, Russia
10-14 April 2017*

10 April 2017 (Monday)

- 15:00-18:00 Registration
- 18:00-20:00 Ice Breaker (incl. round table discussion on the current policy-science interface in Russia; Büntgen, Solomina, Stenseth, Vaganov)

11 April 2017 (Tuesday)

- 09:00-9:05 **Eugene Vaganov** Welcome
Siberian Federal University, Russia
- 09:05-09:30 **Ulf Büntgen** Introduction
University of Cambridge, UK

Climatology (Session 1) Chair Ulf Büntgen

- 09:30-10:00 **Margit Schwikowski** Climate reconstructions for the Altai mountain region from glacier ice cores
Paul Scherrer Institute, Switzerland
- 10:00-10:30 **Andrey Dar'in** Altai climate natural periodicity over the past millennia, according to a cross-disciplinary study of the lake Teletskoye bottom sediments
Institute of Geology and Mineralogy SB RAS, Russia
- 10:30-11:00 All Coffee
- 11:00-11:30 **Olga Churakova** A multi-proxy approach for revealing centurial and millennial changes in the Altai region
University of Geneva, Switzerland
- 11:30-12:00 **Jürg Luterbacher Elena Xoplaki and coauthors** What do climate models tell about the LALIA period over southwestern Eurasia: a spatial and temporal analysis
Justus-Liebig-University Giessen, Germany
- 12:00-12:30 All Discussion (Session 1)
- 12:30-13:30 All Lunch

Ecology (Session 2) Chair Olga Sidorova

13:30-14:00	Sandra Olivia Brügger <i>University of Bern, Switzerland</i>	FROZENFIRE – 5000 years of fire, vegetation and pollution history from a high alpine ice core in the Mongolian Altai
14:00-14:30	Natalia Rudaya <i>Institute of Archeology and Ethnography SB RAS, Russia</i>	Holocene development of landscapes in southern West Siberia and northern West Mongolia
14:30-15:00	Anna Agatova <i>Institute of Geology and Mineralogy SB RAS, Russia</i>	Reconstructions of the late Pleistocene-Holocene landscape evolution and climate changes in the SE Altai and neighboring areas of the SW Tuva and NW Mongolia on the basis of various proxy data and absolute dating
15:00-15:30	Vyacheslav Kharuk <i>Institute of forest SB RAS, Russia</i>	Treeline in Altai Mountain: Climate-Driven Evolution
15:30-16:00	All	Discussion (Session 2)
16:00-16:30	All	Coffee

Epidemiology (Session 3) Chair Jürg Luterbacher

16:30-17:00	Nils Chr. Stenseth <i>University of Oslo, Norway</i>	Overview on plague outbreaks in Eurasia
17:00-17:30 <u>Skype</u>	Timothy Newfield <i>Princeton University, USA</i>	Morbifera nubes: The LALIA and the climate of disease in Late Antique Europe (Skype)
17:30-18:00	Thomas Haverkamp <i>University of Oslo, Norway</i>	Temporal dynamics in microbial soil communities at anthrax carcass sites
18:00-18:30	Kyrre Kausrud <i>University of Oslo, Norway</i>	Anthrax in the dust: what do we know about transmission of <i>Bacillus anthracis</i> in Etosha, Namibia
18:30-18:40	Vladimir Kukarskih <i>Institute of plant and animal Ecology UD RAS Russia</i>	Outbreaks of anthrax on the Yamal Peninsula in the 20th and 21st centuries. Climatic and anthropogenic aspects
18:40-19:00	All	Discussion (Session 4)
19:30-21:30	All	Dinner (incl. round table discussion on the current policy-science interface in Russia; Büntgen, Solomina, Stenseth, Vaganov)

12 April 2017 (Wednesday)

Society (Session 4) Chair Margit Schwikowski

09:00-9:30 <u>Skype</u>	Nicola Di Cosmo <i>Institute for Advanced Study, USA</i>	Environmental challenges and political change in the history of nomadic empires (Skype)
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09:30-10:00	Aleksandr Pilipenko <i>Institute of Cytology and Genetics SB RAS, Russia</i>	Genetic structure of population of the Altai Mountains in the 1st millennium AD
10:00-10:30 <u>Skype</u>	Michael Frachetti <i>Washington University in St. Louis, USA</i>	Highland environmental trends as a model for long term human-environmental feedback in ancient Inner Asia (Skype)
10:30-11:00	Irina Panyushkina <i>University of Arizona, USA</i>	The people and droughts of the first millennia BC: a study of tree-ring widths and carbon isotopes from Saka and Siberian Scythian archaeological timbers
11:00-11:30	All	Discussion (Session 4)
11:30-12:00	All	Coffee

Archaeology (Session 5) Chair Elena Xoplaki

12:00-12:30	Gleb Kubarev <i>Institute of Archaeology and Ethnography SB RAS, Russia</i>	Ancient Turkic archaeological monuments of Altai in 6-10 centuries: state and research perspective
12:30-13:00	Igor Slyuasarenko and Vladimir Myglan <i>Institute of Archeology and Ethnography SB RAS and SibFU, Russia</i>	Dendrochronological dating of the ancient Turkic archaeological monuments in Altai (6-9 centuries A.D.)
13:00-14:00	All	Lunch
14:00-14:30	Dmitry Voyakin <i>Institute of Archaeology MES RK, Kazakhstan</i>	Archaeological and related natural investigations of the medieval sites on the territory of Kazakhstan
14:30-15:00	Willy Tegel <i>University of Freiburg, Germany</i>	Dendroarchaeology and hydroclimatic variability in Central Europe during the LALIA and Early Medieval period
15:00-15:30	All	Discussion (Session 5)
15:30-16:00	All	Coffee
16:00-18:00	Ulf Büntgen <i>University of Cambridge, UK</i>	Summary discussion (Session 1-5) - knowledge exchange - joint publication - grant proposal - etc.
19:00-21:00	All	Dinner

13 April 2017 (Thursday)

Optional visit to Research Station at the Stolby National Park and/or departure

14 April 2017 (Friday)

Departure

Participants of the PAGES Workshop

N	Family Name	First Name	Institute	Country	Email
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Other participants from Russia (no presentations)

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