

Session Title: GC041. Environmental, Socio-Economic and Climatic Changes in Northern Eurasia

Session Description:

We invite presentations on the biogeochemical cycles, the surface energy budget and water cycle, and climate and ecosystem interactions in Northern Eurasia (land-cover/land-use change, atmospheric aerosols, soil, and permafrost changes that affect and are being affected by climate and ecosystem change), “human dimension”, and tools to address the Northern Eurasia studies. In environmental studies, our Session foci are on the carbon cycle of Northern Eurasia and on the permafrost changes in Siberia, Asian Mountains, and the Arctic coastal regions.

In the “human dimension” studies, our Session foci are on assessments of impact of the ongoing environmental changes in Northern Eurasia on the human well-being and on mitigation strategies development in response to harmful consequences of these changes.

We invite also early career scientists associated with (or interested in) the Northern Eurasia Earth Science Partnership Initiative and its continuation, Northern Eurasia Future Initiative (<http://nefi-neespi.org/NEFI-WhitePaper.pdf>).

Primary Section/Focus Group:

Global Environmental Change

Index Terms:

1621 Cryospheric change [GLOBAL CHANGE]

1630 Impacts of global change [GLOBAL CHANGE]

1631 Land/atmosphere interactions [GLOBAL CHANGE]

1637 Regional climate change [GLOBAL CHANGE]

Co-Sponsor(s): JpGU: Japan Geoscience Union

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