

## **Session M-IS01 at the Annual JpGU-AGU Joint Meeting 2017 (May 20<sup>th</sup>, 2017, PM)**

### **Environmental, socio-economic and climatic changes in Northern Eurasia**

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 regional water cycle studies, our Session foci are on the changing distribution of precipitation intensity, frequency, especially, in the cold/shoulder season transition periods when surface air temperature is close to 0°C, and on the pattern and seasonal cycle changes of runoff.

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

The particular foci of this Session will be the studies of changes that impacts regional sustainable development in the Dry Latitudinal Belt of Northern Eurasia that expands through the continent from Pannonian Steppes in the west to the drylands of northern China in the east.

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://neespi.org/NEFI-WhitePaper.pdf> ).

#### **Conveners:**

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