

## **Session at the Annual Fall AGU Meeting 2016**

### **Environmental, socio-economic and climatic changes in Northern Eurasia and their feedbacks to the Global Earth System and society**

We invite presentations on the sustainable socio-economic development, the terrestrial water cycle, and climate and ecosystem interactions in Northern Eurasia that affect and are being affected by climate and ecosystem change), models and tools to address emerging global change issues related to Northern Eurasia.

In environmental studies, our Session foci are on the carbon cycle and the permafrost changes over Northern Eurasia. In the 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 spatial pattern and seasonal dynamics of runoff and water availability for societies in Northern Eurasia.

The particular foci of this Session will be the studies of changes that impact regional sustainable development across Northern Eurasia from the Arctic coast in the north to the Dry Land Belt in the south.

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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