

PROGRAMME

of the 15th All-Russia open School-Conference on Fundamental Issues in Earth Observation from Space

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11-12 November 2019

Space Research Institute of the Russian Academy of Sciences (IKI RAS)
117997, Moscow, Profsoiuznaya street, 84/32

11 November, Monday

9:00 – 09:30 | Registration

**Lectures on issues in research of boreal ecosystems in the context of climate change
using remote sensing data**

Moderator – Prof. Sergei Bartalev, 9:30 – 14:10

09:30 – 09:40	Prof. Sergei Bartalev, Space Research Institute, Russian Academy of Sciences Opening remarks
09:40 – 10:30	Prof. Sergei Bartalev, Space Research Institute, Russian Academy of Sciences Methods and results of assessing the conditions and dynamics of Russian forests in the XXI century based on Earth observations from Space
10:30 – 11:20	Dr. Gareth Rees, Scott Polar Research Institute, University of Cambridge Remote sensing of high-latitude vegetation
11:20 – 12:10	Dr. Robert Baxter, Durham University Environmental change in boreal/Arctic biomes: carbon dynamics and the importance of spatial scale
12:10 – 12:30	<u>Coffee break</u>
12:30 – 13:20	Prof. Martin Wooster, King's College London Quantifying landscape fire and its land and atmospheric effects using fire radiative power observations
13:20 – 14:10	Prof. Kevin Tansey, University of Leicester New ways to seeing the Earth from space with the European Sentinel satellites
14:10 – 15:00	<u>Lunch</u>

12 November, Tuesday

Lectures on issues in research of boreal ecosystems in the context of climate change using remote sensing data

Moderator – Prof. Sergei Bartalev, 9:30 – 12:40

9:30 – 10:05	Academician Evgeniy Vaganov, Siberian Federal University Climate change impacts on Northern Eurasia forests
10:05 – 10:40	Prof. Dmitry Shchepashchenko, International Institute for Applied Systems Analysis The use of remote sensing products for modeling forest carbon budget and for the forestry: experience of the International Institute for Applied Systems Analysis (IIASA)
10:40 – 11:15	Dr. Dmitry Ershov, Center of Forest Ecology and Productivity of the Russian Academy of Sciences Estimation of carbon emissions from forest fires in Russia based on satellite monitoring
11:15 – 11:30	<u>Coffee break</u>
11:30 – 12:05	Dr. Nikolay Shabanov, Space Research Institute, Russian Academy of Sciences Phenological changes of Russian northern forests inferred from analysis of MODIS LAI time series data
12:05 – 12:40	Dr. Sergey Khvostikov, Space Research Institute, Russian Academy of Sciences Dynamic global vegetation models and their integration with remote sensing data