

ANNOUNCEMENT 1ST CIRCULAR
INTERNATIONAL WORKSHOP ON THE IMPACT OF CLIMATE CHANGE ON
FOREST AND AGRICULTURAL ECOSYSTEMS
AND ADAPTATION STRATEGIES

Siberian Federal University
Krasnoyarsk, Russia
September 20-23, 2012

The Institut National de la Recherche Agronomique (INRA) and the Siberian Federal University (SFU) organize **an International workshop on the Impact of Climate Change on Forest and Agricultural Ecosystems and Adaptation Strategies**. The workshop will be held on September 20-23, 2012, at the Siberian Federal University, Krasnoyarsk, Russia. It will provide a forum for international researchers who study impact of climate change on forest and agricultural ecosystems and adaptation strategies, and has the objective of promoting collaboration between Russian and French scientists.

A moderate rise in temperature of around 2°C is predicted by 2050 if world greenhouse gas emissions are reduced by 2015, or a rise in excess of 4-5°C if the current trend continues (IPCC, 2007). Both scenarios agree on an increase in climate variability and extreme weather events probability (summer heat waves and droughts, heavy precipitation in winter, storms, etc.), with increasing impacts over the coming decades. Changing climate and the increase in related disturbances (i.e. fires, insect outbreaks, flooding, soil erosion etc.) demonstrate the complex problems which forest and agricultural ecosystems are facing. It requires a better understanding of how climate change interacts with ecosystem processes and management activities, and improved tools for decision makers to support mitigation and adaptation strategies for forest and agricultural ecosystems.

INRA is the number one agricultural institute in Europe and the number two in the world. It carries out mission-oriented research for competitive and sustainable agriculture and a preserved environment. In 2011, INRA launched several integrated programs in agricultural and forest science. One of the programs, Adaptation of Agriculture and Forest to Climate Changes, aims at searching adaptation strategies for forestry and agriculture to climate change globally.

Russia, and particularly the Siberian region, has a great potential to perform such studies in the forest and agricultural sectors. SFU is one of the leading federal educational and scientific centers in Russia. Together with the Siberian branch of the Russian Academy of Sciences (SB RAS), it is in a strong position to develop and implement the complex studies on adaptation of forest and agricultural ecosystems to climate change and other disturbances across the Siberian region.

Together, INRA, SFU and SB RAS will undoubtedly promote scientific research and international cooperation between France and Russia in the forestry and agriculture and the dissemination of the most recent approaches in sustainable development.



Aims

The main idea of the Workshop is to create a structured system for a Franco-Russian cooperation (non exclusive, other partners are welcome!) to study impacts of climate change and other disturbances on forest and agricultural ecosystems and adaptation strategies in a changing world.

The specific aims of the Workshop are:

- to list current research activities and to suggest potential collaborative activities between France and Russia;
- to share methodologies and to discuss their possible harmonization;
- to list the respective databases and to discuss the possibility of sharing them, and of building new, common databases;
- to define the needs for scientific schools for young researches;
- to discuss the possibility of scientist exchanges between France and Russia.

Topics for the Working Sessions

- **Forest dynamics and evolution:**
Forest tree population genetics
Dendroecology
- **Impact of a changing climate on the forest dynamics: forest successions, fires, deforestation, and others:**
Modeling of forest dynamics
Biological invasions
Forest pests
Animal diseases vectors
Modeling of biological invasions
- **Biogeochemical soil characteristics:**
Soil organic matter
Mineral matter and fertility
Modeling of soil processes
- **Mitigation of greenhouse gas emissions:**
Forest
Permafrost
Agriculture
- **Adaptation of forest and agriculture to climate changes:**
Land use, land use change and planning
Crop potential
Grassland and livestock
Socio-economic assessment and policy issues
Environmental Modeling



Participants

We welcome researchers in forest and agricultural sciences, soil science, zoology, climatology, social and economic sciences, forest managers and others who are interested in the workshop topics.

Working Language

English

Presentations:

Plenary session - 20 min.

Other sessions - 15 min.

Poster sessions (detailed information will be provided in the second circular).

Scientific steering committee

Guy Riba	INRA, Paris, France
Eugeny Vaganov	SFU, Krasnoyarsk, Russia
Jean-François Soussana	INRA, Paris, France
Jean-Marc Guehl	INRA, Paris, France
Sergey Verkhovets	SFU, Krasnoyarsk, Russia
Anatoly Shvidenko	International Institute for Applied Systems Analysis, Laxenburg, Austria
Nadezhda Tchebakova	V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
Sergey Kiselev	Moscow State University, Eurasian Center for Food Security, Moscow, Russia
Boris Porfiriev	Institute of Economic Forecasting RAS, Moscow, Russia
Pavel Groisman	National Climatic Data Center, Asheville, North Carolina, USA
Dmitry Zamolodchikov	Centre for Ecology and Productivity of Forest RAS, Moscow, Russia

Local organizing committee

Irina Bezkorovaynaya	SFU, Krasnoyarsk, Russia
Lidia Chavinskaia	International relations & organization, INRA, France
Natalia Zobova	Krasnoyarsk Research Institute for Agriculture, Russia
Natalia Kirichenko	V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
Anton Pyzhov	SFU, Krasnoyarsk, Russia
Alexey Kytmanov	SFU, Krasnoyarsk, Russia
Irina Gette	SFU, Krasnoyarsk, Russia



Submission of abstracts

Those interested in giving presentations at the workshop are welcome to **submit** the **registration form by May 1, 2012** by e-mail: franco.russian.workshop@gmail.com

Registration form

Last name:
First name:
Middle name: (opt.)
Affiliation:
Position:
Scientific degree:
Postal address:
E-mail:
Telephone:
Working session:
Presentation title:
Co-authors:
Presentation type:
 poster
 oral
 oral plenary

Publications

After the Workshop we plan to prepare The Informational bulletin “Climate impact on forest and agricultural ecosystems and adaptation strategies”. The selected reviews & papers will be published in the Journal of Siberian Federal University.

Registration fee

Organizers will cover all organizational expenses (conference fee, coffee breaks, banquet, transfer, etc.). Travel & visa expenditures are not included.
The next information letters will provide information regarding accommodation, deadlines and tentative conference program.

Important dates

Registration form deadline	May 1, 2012
Second Circular (incl. accommodation and other info)	June 1, 2012
Third Circular (a tentative seminar program)	July 1, 2012

Visa requirements

Foreign participants will need to arrange a visa for Russia. The organizers will provide a letter of invitation to facilitate visa arrangements. The visa formalities may require up to one month after the submission.

