

FEDERAL AGENCY FOR SCIENTIFIC ORGANIZATIONS
Federal state budgetary research organization
«Federal Research Center
«Krasnoyarsk Scientific Center of the Siberian Branch
of the Russian Academy of Sciences»
V.N. Sukachev Institute of Forest SB RAS
RUSSIAN ACADEMY OF SCIENCES RAS
Scientific Council on Forest Problems
SIBERIAN BRANCH OF THE RUSSIAN ACADEMY OF SCIENCES
FEDERAL FORESTRY AGENCY
MINISTRY OF NATURAL RESOURCES AND ECOLOGY
OF THE KRASNOYARSK REGION



**INTENSIFICATION OF FOREST MANAGEMENT IN RUSSIA:
CHALLENGES AND INNOVATIVE SOLUTIONS**

All-Russian **Scientific and Practical Conference**
with International Participation
Krasnoyarsk, September 19-23, 2016

PROGRAM



Krasnoyarsk, 2016

PROGRAM COMMITTEE

Onuchin Alexandr, Prof., Dr. Sc. B., Director of the V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk (*the Chairman*)

Alekseev Alexandr, Prof., Dept Chairman in the S.M. Kirov Saint Petersburg State Forest Technical University

Banaev Evgeniy, Dr. Sc. B., Director of the Central Siberian Botanical Garden SB RAS, Novosibirsk

Valentik Ivan, Deputy Minister of Natural Resources and Ecology of the Russian Federation, Head of the Federal Forestry Agency, Moscow

Vasilyev Igor, Ph.D. in Economics, Director of the Saint Petersburg Forestry Research Institute

Vomperskiy Stanislav, Dr. Sc. B., member of the Russian Academy of Science, RAS Counsellor, Institute of Forest Science, RAS, Uspenskoe

Isaev Alexandr, Dr. Sc. B., member of the Russian Academy of Sciences, RAS, Academic supervisor for Center for Forest Ecology and Productivity, Moscow

Kovalevich Alexandr, Director of the Forest Institute of the Republic of Belarus, Gomel

Kryshen Alexandr, Dr. Sc. B., Director of the Forest Research Institute of KarRC RAS, Petrozavodsk

Lukina Natalya, Dr. Sc. B., Director of the Center for Forest Ecology and Productivity, Moscow

Martinyuk Alexandr, Prof., Dr. Sc. Agr., Director of the All-Russian Research Institute of Silviculture and Mechanization of Forestry (ARRISMF)

Moiseev Nickolay, Dr. Sc. Agr., member of the Russian Academy of Sciences, Dept Chairman in Moscow State Forest University

Pavlov Igor, Prof., Dr. Sc. B., Deputy Director of the V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk

Romanov Evgeniy, Dr. Sc. Agr., Volga State University of Technology, Yoshkar-Ola

Sanaev Victor, Prof., Dr. of Engineering, Head of Moscow State Forest University

Sirin Adrei, Prof., Dr. Sc. B., Director of the Institute of Forest Science, RAS, Uspenskoe

Trunov Sergei, Ph.D. in Economics, Director of the FBA Forest Protection Center, Moscow

Usoltsev Vladimir, Prof., Dr. Sc. B., Chief research fellow of the Botanical Garden UrB RAS, Ekaterinburg;

Shvidenko Anatoliy, Prof., Dr. Sc. B., The International Institute for Applied Systems Analysis, Laxenburg, Austria

Shevelev Sergei, Prof., Dr. Sc. Agr., Dept. Chairman in the Siberian State Technological University, Krasnoyarsk, Russia

Shishikin Alexandr, Dr. Sc. B., Head of laboratory in the V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk

Shmatkov Nickolai, Head of the WWF Forest Program in Russia, Moscow

Johann G. Goldammer, Prof., director of the Global Fire Monitoring Center, (GFMC), Germany

Klaus von Gadov, Prof., Institute of Forest Management Germany

Timo Karjalainen, Prof., Natural Resources Institute Finland

ORGANIZING COMMITTEE

Bondarev Alexandr, PhD of Agriculture, Deputy Director of IF SB RAS ((*the Chairman*))

Mikhailova Irina, JRF. IF SB RAS (secretary)

Baranchikov Yuri, Candidate of Biological Sciences, Head of laboratory in the IF SB RAS

Ivanitskaya Alyona, Candidate of Biological Sciences, Chairman of the Young Scientists Council, IF SB RAS

Ivanov Viktor, PhD of Agriculture, SFR IF SB RAS

Petrenko Alexei, Candidate of Biological Sciences, RF., IF SB RAS

Pimenov Alexandr, Candidate of Biological Sciences, Head of laboratory in the IF SB RAS

Simachev Ivan, Deputy Director of IF SB RAS

Sokolov Vladimir, Prof., Dr. Sc. Agr., Head of laboratory in the IF SB RAS

Tarakanov Vyacheslav, Dr. Sc. Agr., Director of the WSB IF SB RAS

Tsvetkov Petr Цветков Петр Алексеевич, Dr. Sc. B., Head of laboratory in the IF SB RAS

Computer design of the cover and the Conference logotype is made by Y. Baranchikov

The Conference is organized together with the Russian branch of the Friedrich Ebert Foundation (Germany)

CONFERENCE PROCEDURE

Date	Time	Venue	Event
19 September	06:00-14:00	Hotel	Check-in
	09:00-17:00	Forest Institute Building	Registration of the participants. Poster Placement
	14:00-15:00	Forest Institute Arboretum	Scientific excursion
20 September	09:00-18:00	Forest Institute Building	Plenary Session. Poster Session
21 September	09:00-18:00	Forest Institute Building	Workshop presentations Poster Session Plenary Session (summary, closing remarks).
22 September	09:00-18:00	Research station of the Forest Institute «Pogorelsky bor »	Scientific and practical excursion
23 September	Departure of the Conference participants		

Registration

The preliminary registration will take place on September 19th. You will find the registration desk in the Forest Institute foyer on the first floor.

Conference Procedure

Plenary paper -20 minutes with 5 additional minutes for questions

Workshop paper -10 - 15 minutes depending on the workshop

Poster papers

Poster papers are to be placed in the corridor on the second floor right after the registration

Lunches

The Diner of Krasnoyarsk Scientific Center is 7-10 minutes by walking from the Institute

Excursions

All participants of the excursions to the Institute Arboretum (September 19) and Research station «Pogorelsky bor» (September 22) should meet in the Forest Institute foyer on the first floor.

CONFERENCE PROGRAM

September 20, 2016

Conference hall
V.N. Sukachev Institute of Forest SB RAS

09:00–10:00	Registration of participants
10:00–10:30	Opening of the conference. Welcome speeches
10:30–17:30	PLENARY SESSION
10:30–10:55	Innovative solutions for Siberian forestry Onuchin A.A., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
10:55–11:20	Progress report on implementation of the “Concept of intensive use and regeneration of forests in the Russian Federation” Chitorkin V.V., Department of public policy and regulation in the field of forest resources of Ministry of Natural Resources and Environment (MNR) of Russia, Moscow
11:20–11:45	Forestry in Germany: historical development and current state. Thomas Huber, Department of Food and Agriculture, German Embassy in Russia
11:45-12:15	Coffee break
12:15–12:40	Results of intensive and sustainable forest management in Finland Karjalainen Timo, Natural Resources Institute, Joensuu, Finland
12:40-13:05	Innovative technologies for reforestation and afforestation developed by the Institute of Forest SB RAS Pavlov I.N., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk
13:05-13:30	The need for development of pragmatic and science-based solutions for forest management and fire management for the Russian Federation Goldammer J.G, Eritsov A.M., Kisilyakov E.K., Global Fire Monitoring Centre, Freiburg, Germany
13:30-14:30	Lunch
14:30-14:55	The regulatory framework for forestry intensification Sinkevich S.M., Sokolov A.I., Ananyaev V.A., Kryshen A.M., Forestry Research Institute of Karelian Research Centre, RAS, Petrozavodsk.
14:55-15:20	Challenges to intensive forest use and regeneration in Russia Sokolov V.A., Vturina O.P., Sokolova N.V., Khinevich D.S., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
15:20-15:55	Invasive dendrobionts in Russian forests: detection, monitoring and forecast of biotic and economic consequences Baranchikov Yu.N., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
15:55-16:25	Coffee break
16:25-16:50	Research results and prospects for practical implementation of DNA-analysis methods for forestry in Russia. Trunov E.S., FGU Russian Centre for Forest Protection, Pushkino
16:50-17:15	Identification of biodiversity objects during forest harvesting Shubin D.A., Zalesov S.V., Vedernikov E.A., Zalesov V.N., Tolstikov A.Y., Epha D.E., Usov M.V., Ural State Forest Engineering University, Ekaterinburg
17:15-17:40	Siberian forest inventory based on genetic typology Sedykh V.N., V. N. Sukachev Institute of Forest, SBRAS, Russia
17:40-19:00	Poster session. Standing buffet (foyer on the 2nd floor).

September 21, 2016

The theoretical and practical aspects of forestry intensification

Moderator: Sokolov Vladimir Alekseevich, Prof., Dr. Sc. Agr.,

Room 222 (2nd floor)

09:30-17:00	Workshop papers
09:30–09:50	Methods of biodiversity preservation during timber harvesting in Krasnoyarsk region in the context of the Forestry Intensification Concept Danilina D.M., Soldatov V.V., Yagunov M.N., Nazimova D.I., Stepanov N.V., Bikova-Sashko E.V., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
09:50–10:10	Verification of the SPOC method through the assessment of sustainable forest management Debkov N.M., Institute of Monitoring of Climatic and Ecological Systems of SB RAS, Tomsk, Russia
10:10–10:30	Silvicultural assessment of forestry intensification potential and the ways of its development Zheldak V.I., Sidorenkov V.M., Kulagin A.A. , Federal State-Funded Institution “All-Russian Research Institute for Silviculture and Mechanization of Forestry (VNIILM)”, Pushkino
10:30–11:00	Total and partial contingency of vegetation and relief elements Coffman G.B., Konovalova M.E., Konovalova A.E., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
11:00-11:30	Coffee break
11:30-11:50	Low-input and high-precision technology for forest inventory and planning based on data received from an UAV (Unmanned Aerial Vehicle) Lopatin E.V., Karjalainen T., Pitirim Sorokin Syktyvkar State University, Syktyvkar
11:50-12:10	Development of forest accounting systems in a region as an indicator of forestry intensification. Nisnevich A.E., Durkin A.V., Svishchev D.A., Affiliate of Federal State Budget Institution “RosLesInfOrg” of “VostSibLesProekt” – Eastern Siberian Forestry Project, Krasnoyarsk
12:10-12:30	Assessment of forest stands reclaimed by nature Sedykh V.N., West-Siberian branch of V.N. Sukachev Institute of Forest SB RAS, Novosibirsk, Russia
12:30-13:00	Methodological approaches to the intact forest zoning in the Siberian Federal District Trofimova N.V., WWF Altay-Sayany department, Krasnoyarsk
13:00-14:00	Lunch
14:20-14:40	Biomass of forest-forming species in the climatic gradient of Eurasia (to the management of the biosphere forest function) Usoltsev V.A., UrB RAS Botanic Garden, Ural State Forest Engineering University, Ekaterinburg
14:40-15:00	Assessment of intact forest landscapes using satellite images Farber S.K., Kuzmik N.S., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia

15:00-15:30	Experience of intensive forest management elements implementation on the Mondi Syktyvkar JSC leased forest area Chuprov V.E., Mondi Syktyvkar JSC, Russia
15:35-16:00	Coffee break
17:00-18:00	Plenary Session. Summary. Closing remarks.

Forest regeneration and cultivation: Innovative solutions for growing intended forests

Moderator: Pavlov Igor, Prof., Dr. Sc. B.,

Conference Hall

09:00-17:00	Workshop papers
09:00-09:20	Germinating ability and biometric indicators of two spruce species seedlings under the influence of growth regulators Andreyeva E.M. ¹ , Stetsenko S.K. ¹ , Kutchin A.V. ² , Terekhov G.G. ¹ , Hurshkainen T.V., 1 - Federal State Budget Institution of Science (FSBIS), UrB RAS Botanic Garden, Ekaterinburg, 2 - FSBIS Republic of Komi Institute of Chemistry of UrB RAS Science Centre, Syktyvkar
09:20-09:40	Abias Sibirica morphogenic tylosis induction Bazhina E.V., Tretyakova I.N., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
09:40-10:00	Assessment of assistance to natural reforestation using a hedgehog Bobrinev V.P., Pak L.N., Banshchikova E.A., Institute of Natural Resources and Cryology, SB RAS, Chita
10:00-10:20	Intraspecies variation and forestry Gridnev A.N. ^{1,2} , Ovchinnikova N.F. ³ , Mamedova L.S., 1- Primorskaya State Academy of Agriculture, Ussuriysk, 2 - Mountain Taiga Station of FEB of RAS, v. Gorno-Tayozhnoye, 3- V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
10:20-10:40	The establishment of pine stand structures within intensive forest cultivation Ivanov V.V., Borisov A.N., Petrenko A.E., Onuchin A.A., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
10:40-11:00	Regeneration of cedar forests by the creation of reconstructive cedar plants in biogroups Kovalev A.P., Sheshukov M.A., Pozdnyakova V.V., Federal State Budget Institution "Far East Forestry Research Institute", Khabarovsk
11:00-11:30	Coffee break
11:30-11:50	Innovative approach to Scots pine selection based on the male generative structures color Konovalova A.E., Pimenov A.V., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
11:50-12:10	Establishment of taiga <i>Pinus Sibirica</i> dominated forests by thinning Konovalova M.E., Nazimova D.I., Danilina D.M., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
12:10-12:30	Stone pine grafting in the Krasnoyarsk forest-steppe Kuznetsova G.V., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
12:30-12:50	The selection of promising Scots pine climatic ecotypes in Siberia provenance trial plantation

	Kuzmin S.R., Kuzmina N.A., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
13:00-14:00	Lunch
14:00-14:15	A radiometric survey of cultivated soil transformation during reforestation Ponomareva T.V., Ponomarev E.I., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
14:15-14:35	The impact of fast-growing tree plantations on the biogeochemical cycle of nitrogen and carbon in forest ecosystems: model assessments Pripulina I.V., Frolova G.G., Federal State Budget Institution of Science (FSBIS) Institute of physicochemical and biological problems in soil science RAS, Puschino
14:35-14:55	The growth of introduced species in the collection of the V.N. Sukachev Institute of Forest SB RAS Sedaeva M.I., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
14:55-15:15	The establishment of intended-use coniferous forests by felling Terinov N.N. ¹ , Andreyeva E.M. ² , 1 - Ural State Forest Engineering University, Ekaterinburg, 2 - UrB RAS Botanic Garden
15:15-15:35	Microclonal propagation of conifers through somatic embryogenesis in vitro for plantation forestry Tretyakova I.N., Park M.E., Ivanitskaya A.S., Oreshkova N.V., Saimova A.S., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
15:35-16:00	Coffee break
16:00-16:15	Fast-growing forest plantations productivity modeling (on the example of <i>Populus tremula</i> L) Frolova G.G., Pripulina I.V., Institute of physicochemical and biological problems in soil science RAS, Puschino
16:15-16:30	The impact of climate change on dark coniferous forests in Siberia Kharuk V.I., Im S.T., Petrov I.A., Golyukov A.S., Yagunov M.N., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
16:30-16:45	Scots pine pollen and seed quality caused by SDPP technogenic pollution Makhniova S.G., UrB RAS Botanic Garden, Ekaterinburg
16:45-17:00	Prospects of mountain wastes utilization for intensive forest cultivation Murzakmatov R.T., Shishikin A.S., Borisov A.N., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
17:00-18:00	Plenary Session. Summary. Closing remarks.

Current methods of monitoring, forecasting and managing forest pests and diseases

Moderator: Baranchikov Yuri Nikolayevich, Candidate of Biological Sciences

Library (2nd floor)

09:00-17:00	Workshop papers
09:00-09:20	Environmental resistance of forest insects pheromone molecules Artyushenko P.V. ¹ , Tomilin F.N. ^{1,2} , 1- L.V. Kirensky Institute of Physics SB RAS, Krasnoyarsk, 2 - Siberian Federal University, Krasnoyarsk
09:20-09:40	Has one gone west and the other east? Invasive Far Eastern ash consumers in the European part of Russia Baranchikov Yu.N., Demidko D.A., Zvyagintsev V.B., Seraya L.G., Yaruk

	A.V., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
09:40-10:00	Microbiological indication of the site soils of disturbed ecosystems in Central Siberia Bogorodskaya A.V., Kukavskaya E.A., Ponomareva T.V., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
10:00-10:20	The use of microorganisms in monitoring and protection of forest phytocenoses of Siberia Grodnitskaya I.D., Sorokin N.D., Kondakova O.E., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
10:20-10:40	Observations over <i>Fenusa ulmi</i> Sand. (Hymenoptera, Tenthredinidae), a leaf miner of Chinese elm <i>Ulmus pumila</i> Egorenkova E.N., Kravchenko V.D., Lengesoova N.A., Efremova Z.A., Federal State Budget Educational Institution of Higher Education "I.N. Ulyanov Ulyanovsk State Pedagogical University"
10:40-11:00	Impact of pollutants on tree growth in suburban stands: "dose-effect" models Ivanova Ju.D., Kovalev A.V., Soukhovolsky V.G., Institute of Biophysics SB RAS, Krasnoyarsk
11:00-11:30	Coffee break
11:30-11:50	Pheromone search models and pheromone trap efficiency assessment Kovalev A.V., Tsikalova P.E., Krasnoyarsk Scientific Centre, Krasnoyarsk
11:50-12:10	Development of fir forest monitoring technology in the area of fir bark beetle invasion in the Tomsk region: patterns and approaches Krivets S.A., Bisirova E.M., Debkov N.M., Kerchev I.A., Chernova N.A., Institute of Monitoring of Climatic and Ecological Systems, SB RAS, Tomsk
12:10-12:30	Conceptual approaches to risks assessments of four-eyed fir bark beetle expansion in the areas of its invasion Melnik M.A., Volkova E.S., Krivets S.A., Institute of Monitoring of Climatic and Ecological Systems, SB RAS, Tomsk
12:30-12:50	A phytopathological examination of Ergaki Nature Park Morozova T.I., Federal State Budget Institution "Irkutsk Interregional Veterinary Laboratory", Irkutsk
13:00-14:00	Lunch
14:00-14:15	Sanitary and pathology state of Krasnoyarsk Krai forests Ostrolpitskaya E.M., Affiliate of the Federal Budget Institution "Roslesozaschita" – "Centre for Forest Protection in the Krasnoyarsk Region", Krasnoyarsk
14:15-14:35	Forest insects as ecological engineers: assessment of impact on forest ecosystems Palnikova E.N., Sviderskaya I.V., Tarasova O.V., Yagunov M.N., Soukhovolsky V.G., Siberian State University of Technology, Krasnoyarsk
14:35-14:55	The experience of Siberian fir pests and pathogen control through the systemic agent stems injection Pashenova N.V., Babichev N.S., Demidko D.A., Petko V.M., Pertsovaya A.A., Baranchikov Yu.N., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
14:55-15:15	Different pheromone trap type assessments for catching male Siberian moth (Lepidoptera: Lasiocampidae) Petko V.M., Baranchikov Yu.N., Demidko D.A., Wang B., Lance D.R., V.N. Sukachev Institute of Forest SB RAS, USDA APHIS, USA

15:15-15:35	The possible impact of forest sites on a region's attribution to the area of forest pest outbreaks risk Ponomarev V.I., Seryi G.A., Federal State Budget Institution of Science (FSBIS) UrB RAS Botanic Garden, Ekaterinburg
15:35-16:00	Coffee break
16:00-16:15	Insects' wings coloration as an indicator of the population gradation phase Sekretenko O.P., Kovalev A.V., Palnikova E.N., Soukhovolsky V.G., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
16:15-16:30	Conifers' phyllosphere diseases Senashova V.A., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
16:30-16:45	Modeling of population dynamics and forecasting of forest insect outbreaks Soukhovolsky V.G., Kovalev A.V., Palnikova E.N., Tarasova O.V., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
16:45-17:00	Woody plants phenophases modeling with the help of terrestrial and remote data Soukhovolsky V.G., Ovchinnikova T.M., Ivanova Yu.D., Botvich I.Yu., Andreeva E.B., Knorre A.A., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
17:00-18:00	Plenary session. Summary. Closing remarks.

Conceptual approaches and innovative solutions for forest fire protection

Moderator: Tsvetkov Petr Alekseevich, Dr. Sc. B.,
small conference hall (4th floor)

09:00-17:00	Workshop papers
09:00-09:25	Influence of trees' individual characteristics on their fire-resistance to the surface wildfires in Central Siberia Bryukhanov A.V., Panov A.V., Sidenko N.V., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
09:25-09:50	Wildfire hazard and dynamics assessment Buryak L.V., Ivanov V.A., Kukavskaya E.A., Siberian State University of Technology, Institute of Forest SB RAS, Krasnoyarsk
09:50-10:15	Steppe fires: problems and innovative solutions Valendik E.N., Kisilyakhov E.K., Ponomarev E.I., Kosov I.V., Lobanov A.I., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
10:15-10:40	The improvement of forest fire hazard assessment Volokinina A.V. ¹ , Sofronova T.M. ² , Korets M.A. ¹ , 1 - V.N. Sukachev Institute of Forest SB RAS, 2 - V.P. Astafyev Krasnoyarsk State Pedagogical University, Krasnoyarsk
10:40-11:00	Intensive forest fires in the Baikal region Voronin V.I. ¹ , Shubkin R.G. ² , Rimorev M.V. ³ , 1 - Siberian Institute of Plant Physiology and Biochemistry, Irkutsk, 2 - Siberian Fire Rescue Academy of State Fire Service of the Ministry of Emergency Situations of Russian Federation, Krasnoyarsk, 3 - Republic of Buryatiya Forestry Agency, Ulan-Ude
11:00-11:30	Coffee break

11:30-11:55	Creation of a forest fire computer model using LARGE EDDY SIMULATOR algorithms Dorrer G.A., Shatalov P.S., Buslov I.A., Yarovoy S.V., Federal State Budget Educational Institution of Higher Education “Siberian State University of Technology”, Krasnoyarsk
11:55-12:15	Assessment and monitoring of the phytomass postfire changes in light coniferous stands of the Lower Angara region Zhila S.V., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
12:15-12:35	Assessment and monitoring of fire impact on pine forest ecosystem components in Central Siberia Ivanova G.A. ¹ , Ivanov V.A. ² , Fridrich I.E. ¹ , 1 - V.N. Sukachev Institute of Forest SB RAS, 2 - Siberian State University of Technology, Krasnoyarsk
12:35-13:00	Remote sensing methods of extreme and crown wildfires in Siberia Ponomarev E.I. ¹ , Shvetsov E.G. ¹ , Usataya Yu.O. ² , 1 - V.N. Sukachev Institute of Forest SB RAS, 2 - Siberian Federal University, Krasnoyarsk
13:00-14:00	Lunch
14:00-14:20	Fire hazard assessment on oil-and-gas field development lands Sofronova A.V. ¹ , Volokitina A.V. ² , 1 - Municipal Budget Educational Institution of the city of Sayanogorsk “Cheryomushki School of Secondary Education No. 1”, Sayanogorsk, 2 - V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk
14:20-14:45	The use of a new chemical formulation "COMPLEXIL" for forest fire suppression Usenya V.V., Gordey N.V., State Institution of Science, Institute of Forest, National Academy of Sciences, Belarus
14:45-15:10	Optimization of forest fire protection through enhancement of forest fire prevention measures in the Krasnoyarsk region Furyaev V.V., Tsvetkov P.A., Furyaev I.V., Zlobina L.P., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
15:10-15:35	The current state of forest pyrology in Russia Tsveytkov P.A., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia
15:35-16:00	Coffee break
16:00-16:20	Satellite data used for the assessment of the post-fire forest state in Zabaykalsky Krai Shvetsov E.G. ¹ , Kukavskaya E.A. ¹ , Buryak L.V. ² , 1 - V.N. Sukachev Institute of Forest SB RAS, 2 Siberian State University of Technology, Krasnoyarsk
16:20-16:40	The impact of climate change on forest fire danger in different geographical zones of Russia Sheshukov M.A., Gromyko S.A., Federal State Budget Institution “Far East Forestry Research Institute”, Khabarovsk
16:40-17:00	The creation of fire resistant plantings on the territory of the forestry fund Sheshukov M.A., Pozdnyakova V.V., Pirogova O.A. Federal State Budget Institution Far East Forestry Research Institute, Khabarovsk
17:00-18:00	Plenary session. Summary. Closing remarks.

POSTER PAPERS

Inflammability of mountain forests in Eastern Kazakhstan

Arkhipov E.V., Kazakh Research Institute of Forestry and Agro-forestry, Schuchinsk

Structural and chemical characteristics of fir bark in primary and secondary ranges of an invasive pest – the four-eyed fir bark beetle

Astrakhantseva N.V., Anickina A.A., Pashenova N.V., Baranchikov Yu.N.

Eruptive phyllophaga insects are not «ecosystem engineers» by definition

Baranchikov Yu.N., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia

Post-fire recruitment failure in forests of Southern Siberia

Barrett K.

The thornless form of sea buckthorn in the Issyk-Kul region

Bikirov Sh.B., P.A. Gan Institute of Forest, National Academy of Sciences of the Kyrgyz Republic

Intensification and restoration of degraded forests in Kyrgyzstan

Bikirov Sh.B., Umetalieva N.K., Karimov N.I., P.A. Gan Institute of Forest, National Academy of Sciences of the Kyrgyz Republic

The role of super individuals of *Heterobasidion annosum* (Fr.) Bref. in the formation of pine dieback areas

Volchenkova G.A., Zviagintsev V.B., Belarusian State Technological University, Minsk, Republic of Belarus

Assessment of foresters' awareness of insects that cause allergies

Glavendekic M.M., Faculty of Forestry, University of Belgrade, Belgrade, Serbia

Impact of stand density on structure and productivity of ground cover among Siberian larch species

Goncharova I.A., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia

The structure of forest border and herpetobium coleoptera insects' mobility across the forest boundary

Gurov A.V.¹, Gurova N.N.², Astapenko S.A.³, 1 - V.N. Sukachev Institute of Forest SB RAS, 2 - Siberian State University of Technology, 3 - Centre for Forest Protection in the Krasnoyarsk Region, Krasnoyarsk

An attempt to control gypsy moth through injection of larch trees with systemic insecticides

Demidko D.F., Baranchikov Yu.N., V.N. Sukachev Institute of Forest SB RAS

Influence of a conifer-derived product on the Scots pine seedlings growth

Egorova A.V., Forestry Research Institute of Karelian Research Centre, Russian Academy of Sciences, Petrozavodsk

The oldest plantations of Scots pine on previously cultivated lands

Zalesov S.V., Belov L.A., Magasumova A.G., Opletayev A.S., Yurovskih E.V., Ural State Forest Engineering University, Ekaterinburg

The similarities and differences between two large samples within one natural forest stand

Ziganshin R.A.¹, Kachaev A.V.², 1 - V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia, 2 - Federal State Unitary Enterprise "Housing and Communal Services of Krasnoyarsk Scientific Centre, SB RAS", Krasnoyarsk

The experience of using NOSQL database management system MONGODB for forest inventory data storage and processing

Ziganshin R.A.¹, Kachaev A.V.², 1 - V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia, 2 - Federal State Unitary Enterprise "Housing and Communal Services of Krasnoyarsk Scientific Centre, SB RAS", Krasnoyarsk

Study of Scots pine growth in homogeneous stands in Northern Kazakhstan

Kabanov A.N., Kazakh Research Institute of Forestry and Agro-forestry, Schuchinsk

A review of leaf mining insects – pests of woody plants in Asian Russia

Kirichenko N.I., Akulov E.N., Ponomarenko M.G., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia

Dynamics of grass and shrubs in young pine forests on fallow lands

Kovaleva N.M., Sobachkin R.S., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia

Assessment of Krasnoyarsk forest-steppe pine forest fire resistance after selective felling and thinning

Kudinov E.N., Tsvetkov P.A., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia

The improvement of assessment of fire-induced carbon emissions in Siberian forests

Kukavskaya E.A., Conard S.G., Buryak L.V., Ivanova G.A., Zhila S.V., Kalenskaya O.P., Zarubin D.S., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia

Root-feeding bark beetles in unclosed pine stands established in the clear-cuts of Seversky Donets river valley

Meshkova V.L., Sokolova I.N., Ukrainian Research Institute of Forestry & Forest Melioration named after G.N.Vysotsky (URIFFM), Kharkov, Ukraine

Conceptual approaches to recreational use of forests in the south of Krasnoyarsk region

Nazimova D.I.¹, Suleymanova J.R.¹, Stepanov N.V.², 1- V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia, 2 - Siberian Federal University, Krasnoyarsk

Fire-prevention forest stripes with a barrier of deciduous species for crown fire protection

Sannikov S.N., Terekhov G.G., Sannikova N.S., UrB RAS Botanic Garden, Ekaterinburg

Felling system and natural regeneration of pine forests on the eco-genetic and geographical basis

Sannikov S.N., Sannikova N.S., Petrova I.V., UrB RAS Botanic Garden, Ekaterinburg

Technological characteristics of linden planting material production in seedling nurseries in the Republic of Belarus

Selishcheva O.A., Nosnikov V.V., Gvozdev V.K., Belarusian State Technological University

Assessment of forest regeneration after selective felling in mature pine stands of the Krasnoyarsk forest-steppe

Semenyakin D.A., Petrenko A.E., Zubareva O.N., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia

Impact of fire on reforestation in the Krasnoyarsk forest-steppe pine forests

Sobachkin D.S., Kosov I.V., V.N. Sukachev Institute of Forest SB RAS, Krasnoyarsk, Russia

Isolation of arginine from conifers and prospects of its use

Chernobrovkina N.P.¹, Robonen E.V.¹, Ilyukha V.A.², Unzhakov A.R.², Tyutyunnik N.N.², Prytkov Yu.N.³, Zaitseva M.I.⁴, 1 - Forestry Research Institute of Karelian Research Centre, RAS, Petrozavodsk, 2- Institute of Biology of Karelian Research Centre, RAS, Petrozavodsk, 3 - Institute of Agriculture, Ogarev Mordovia State University, Saransk, 4 - O.V. Kuusinen Petrozavodsk State University, Petrozavodsk

The results of the comparative diagnostics of phytopathogen in forest nurseries in the Krasnoyarsk Region

Shilkina E.A., Razdorozhnaya T.Yu., Sheller M.A., Affiliate of the Federal Budget Institution “Roslesozaschita” – Centre for Forest Protection in the Krasnoyarsk Region, Krasnoyarsk

The growth of *P. sylvestris* species on drawn peat lands in Belarus

Yakovlev A.P., Belyi P.N., Sidorovich E.A., Central Botanic Garden, National Academy of Sciences, Belarus, Minsk

September 22nd, 2016

Research station of the V.N. Sukachev Institute of Forest SB RAS

«Pogorelsky bor»

Program of the scientific and practical excursion

09:00	Departure to the «Pogorelsky bor » excursion from the Institute building
10:00–10:30	Tour to the Research station
10:30–13:00	Visit to the experimental sites on the Route №1
13:00–14:00	Lunch
14:00–16:00	Visit to the experimental sites on the Route №2
16:00–17:00	Visit to the Arboretum
17:00	Departure to Krasnoyarsk

Route №1 (length 2.5 km)

1. Mature natural-origin pine stands. Study of the dense and mature optimum of native pine forests.
2. Results of the experiment on surface fire disturbance in the mature natural-origin pine stand with different fire return intervals
3. Results of the voluntary-selective felling in the mature natural-origin pine stand (the felling was 6 years ago). Clearing of the felling area was performed by chopping the residues without scattering across the felling area
4. Results of thinning of varying intensity in the middle-aged natural-origin pine stand. Modeling of the dense and mature optimum of native pine forests.
5. Results of the experiment on surface fire disturbance in the middle-aged natural-origin pine stand with different fire return intervals (1-3 years)
6. Results of 50-year experiment on grafting of various climatic types of Siberian stone pine and Scots Pine.
7. Results of 5-year experiment on influence of nitrogen fertilizers at different rate application (100, 200, 300 and 400 kg/ha) on middle-aged natural-origin pine stand.
8. Results of 50-year experiment on grafting of various climatic types of Scots Pine

Route №2 (length 1 km)

9. Results on various intermediate treatments for young stands with selection of different age class trees in natural-origin pine stand occurred on fallows.
10. Results on young stands treatment of varying intensity in natural-origin pine stand occurred on fallows.
11. Results on nitrogen fertilizers at different rate application (100, 200, and 400 kg/ha) together with young stands treatment in natural-origin pine stand occurred on fallows

