

SECOND ANNOUNCEMENT

The 4th International Conference on Conservation of Forest Genetic Resources in Siberia

August 24-29, 2015

Grenada Recreation Center, Barnaul, Russia

<http://conf.ict.nsc.ru/cfgrs2015>

<http://forest.akadem.ru/Konf/2015/01/01.html>

<http://www.iufro.org/science/divisions/division-2/20000/20200/>

Dear prospective conference participants!

The Organizing Committee thanks all those who submitted their registration forms and abstracts. We are glad to inform you that by now there are 136 registered participants and 90 submitted abstract from 41 organizations in Russia and 7 other countries. In this letter we provide you with further important information concerning the venue, lodging prices and preliminary program.

Important Announcements

1. The registration and abstract submission deadline was extended until June 1.
2. Those who submitted their abstract only in Russian should submit them together also with English version on the second page of your file, if you have not done it already. The Organizing Committee apologizes for not stating it clearly in the first information letter.

Accommodation, meals, sessions

By a popular demand from participants of the 1st Conference in 2007 the conference will take place in the Grenada Recreation Center (Санаторий-Профилакторий Гренада; <http://grenada-san.ru/index.php>). It is located near Barnaul in Altai Region in the picturesque pine forest close to the «Barnaul-Novosibirsk» highway, 45 km from Barnaul and 193 km from Novosibirsk, between Kazachy and Sibirsky villages (Fig. 1).

In case of driving by car the destination point is the Sibirsky Village («Posyolok Sibirsky» - Посёлок Сибирский).

The room cost at the Grenada Recreation Center includes three meals a day and use of swimming pool and sauna. The room prices are the following (including 15% and more discounts):

- 1) double room luxury suite – 2700 rubles per day for a single person occupation or 2700+1000=3700 rubles per day for 2 persons;
- 2) double room first category – 1800 rubles/day for 1 person or 2200 rubles/day for 2 persons;
- 3) double room second category – 1500 rubles/day for 1 person or 1800 rubles/day for 2 persons;
- 4) double room economy category – 1200 rubles/day.

Exchange rate on May 1 2015: 1 Euro = 54,75 rubles, 1 US dollar = 48,75 rubles.

Participants of the Conference can use optional services for additional charge, such as massage, water therapy treatment, thermotherapy, mudtherapy, atmiatics, halotherapy, etc. (http://grenada-san.ru/index.php?option=com_content&view=article&id=2&Itemid=2).

Accommodation payments are made at the arrival day. Receipts and other payment confirmations in English will be available on the request.

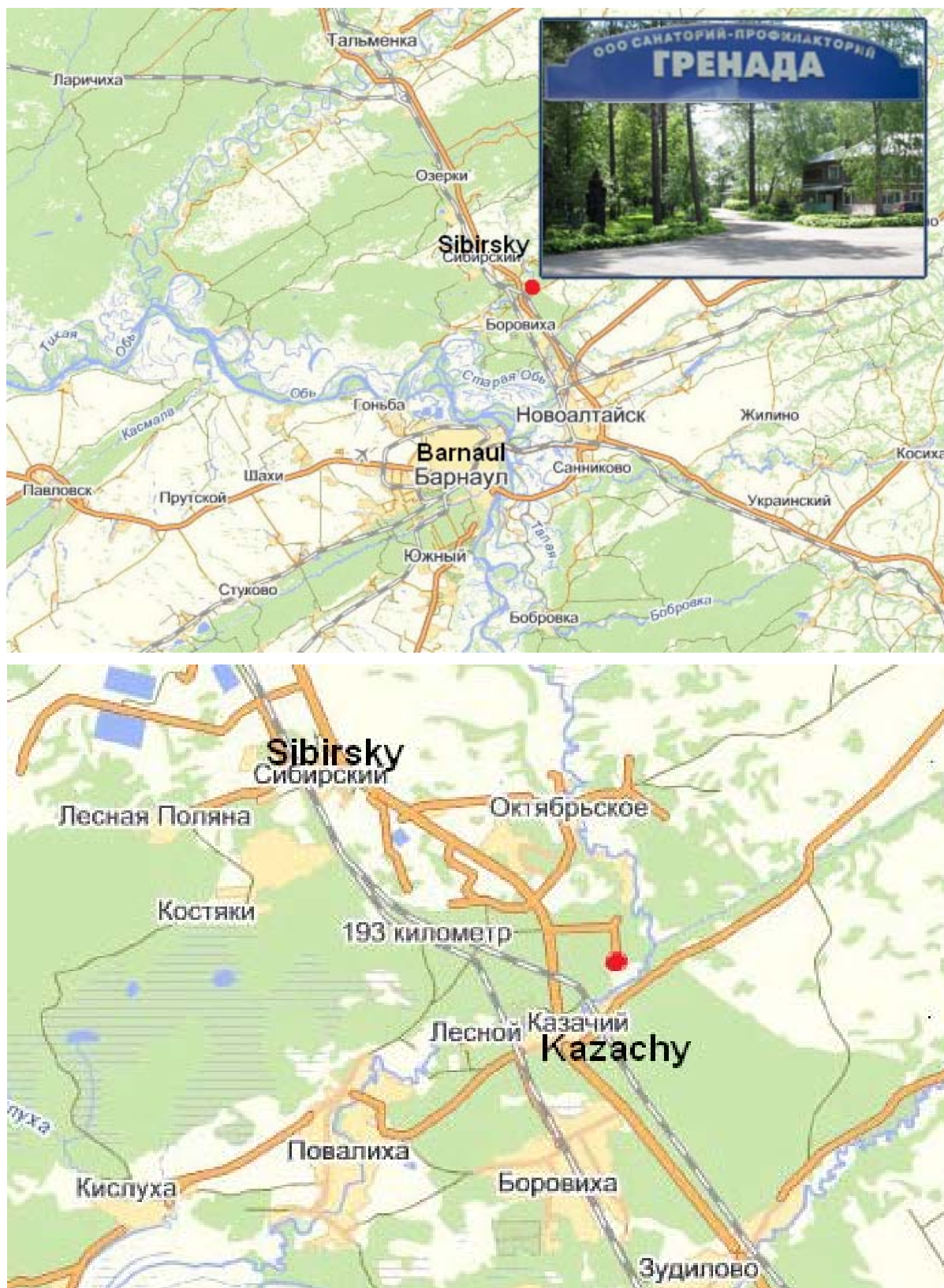


Fig.1. Map of the Altai Region. The Grenada Recreation Center is highlighted by the red dot.

Regular registration fee of 2000 rubles must be paid during registration.

Reduced registration fee is:

300 rubles for those who will not attend Conference but would like their abstracts to be published in the Conference materials;

1000 rubles for young scientists under 35 years old (200 rubles – for publication of abstracts only);

300 rubles for PhD Students (100 rubles – for publication of abstracts only).

Registration fee is collected to partially cover conference material publication and organizing costs.

Registration fee for those who is not going to attend the conference, but would like their abstracts to be published must be sent by July 15 2015 to Alla Vasilievna Maslovskaya at the following address: V. N. Sukachev Institute of Forest, SB RAS, West-Siberian Branch, 630082 Novosibirsk-82, Post Office Box 45, Zhukovsky Str., 100/1. Please confirm the payment of registration fee by e-mail to Organizing Committee: ntihonova@ksc.krasn.ru.

Registration of participants and Sessions

Registration of participants will be on August 24 in the conference-hall of the Grenada Recreation Center (building 1) from 8³⁰ till 13⁰⁰.

All needed equipment for presentations (multimedia projector, place for poster – 1x1 m, etc.) will be provided.

The official host of the conference is the V. N. Sukachev Institute of Forest, SB RAS, West-Siberian Branch, Novosibirsk. The Organizing Committee does not reserve tickets.

Preliminary schedule of the Conference

Date	Time	Event
<u>August 24</u> <i>Monday</i>	until 13 ⁰⁰ 14 ⁰⁰ -18 ³⁰	Arrival ¹ , accommodation and registration Opening and reports
<u>August 25</u> <i>Tuesday</i>	9 ³⁰ -18 ³⁰ 19 ³⁰ -21 ³⁰	Presentations Excursion to the Ozerski Forest Management Enterprise (pine forest seed plantations)
<u>August 26</u> <i>Wednesday</i>	8 ³⁰ -18 ³⁰ 19 ³⁰ -22 ³⁰	Presentations Buffet party (tentatively 1200 rubles per person)
<u>August 27</u> <i>Thursday</i>	8 ³⁰ -17 ³⁰ 18 ³⁰	Presentations Excursion to the regional Altai Forest Seed-breeding Center “Altailes”
<u>August 28</u> <i>Friday</i>	Optional excursion to the «Multinskies» lakes (overnight stay; tentative excursion price is 6000 rubles per person)	
<u>August 28</u> <i>Saturday</i>		

¹If necessary participants can arrive and check in on August 23. Please, inform the Organizing Committee about details of your travel plan.

The «Multinskies» lakes are located in one of the most popular and at the same time «wild» tourist region of the Altai Mountains (<http://multozera.ru/onkuiguk.php>), on the territory of the «Katunsky» Biosphere Reserve (Fig. 2). Among nature-lovers and enthusiasts of wilderness this remote Altai region with “untouched” nature is valued even higher than the more famous «Teletskoe» Lake Region. The top of the famous Belukha Mountain (the highest mountain in Siberia, more than 4500 m above sea level, the UNESCO World Heritage Site) can be seen from the camping site in a good weather day. We plan to travel by a comfortable bus to the camping site

«Lakes Multinskie» with following excursion to a cascade system of the three beautiful mountain lakes located 2000 m above sea level. A boat trip, visiting Nikolai Rerikh and “old orthodox believers” Museums, waterfall Kuyguk excursions and other sightseeing are also considered during the trip (the exact route will be specified in the third information letter). Overnight stay will be in the wooden houses with stove heating. The return will be also by bus to the Barnaul City.



Fig. 2. Map of the Altai Republic.

Please, fill in the following form and send it to Natalya Tikhonova by email: ntihonova@ksc.krasn.ru. It is needed for the conference scheduling:

Conference «CFGR-4» Participant's form

Question	Answer
Confirmation of attending the conference ("yes" or "no")	
Preferable accommodation (room category choice)	
In case of sharing a room by two persons, please, write the full name of your prospective roommate	
Dates of arrival and departure	
Route of arrival (via Novosibirsk or Barnaul)	
Route of departure (via Novosibirsk or Barnaul)	
Needs help in meeting in airport or railway station ("yes" or "no")	
Participation in the excursion to the Ozerski Forest Management Enterprise ("yes" or "no")	
Participation in the excursion to the Altai Forest Seed-breeding Center "Altailes" ("yes" or "no")	
Participation in the excursion to the «Multinskie» lakes ("yes" or "no")	
Do you plan to use other optional services of «Grenada» (please, list them)	

Tentative Scientific Program

(Please, notice that sections were renamed to better accommodate the submitted abstracts and the Program Committee recommendations.)

August 24, Monday

09:00–12:30 Arrival, registration

12:30–14:00 Lunch

14:00–14:30 Opening ceremony

Section I. Conceptualization of national program on protection and sustainable use of forest genetic resources in Russia. Theoretical and methodical problems of research, protection and sustainable use of forest genetic resources.

- 14:30–14:50 Tarakanov V.V.¹, Goroshkevich S.N.², Politov D.V.³, Krutovsky K.V.⁴ Principles of studying, conservation and managing of forest genetic resources in Siberia. ¹*West-Siberian Branch of the Institute of Forest of SB RAS* (Novosibirsk), Russia. ²*Institute of Monitoring of Climatic and Ecological Systems of SB RAS* (Tomsk), Russia. ³*N.I. Vavilov Institute of General Genetics* (Moscow), Russia. ⁴*Georg-August-University of Göttingen* (Göttingen), Germany.
- 14:50–15:10 Milyutin L.I.¹ Analysis of studied forest genetic resources in Siberia. ¹*V.N. Sukachev Institute of Forest of SB RAS* (Krasnoyarsk), Russia.
- 15:10–15:30 Krutovsky K.V.¹ Genomics and epigenomics of adaptation in forest trees. ¹*Georg-August-University of Göttingen* (Göttingen), Germany.
- 15:30–16:00 Coffee-break
- 16:00–16:20 Politov D.V.¹ Population genetic factors of spatial differentiation across the ranges of Palearctic conifers. ¹*N.I. Vavilov Institute of General Genetics* (Moscow), Russia.
- 16:20–16:40 Oreshkova N.V.¹, Putintseva Y.², Kuzmin D.A.², Ibe A.A.³, Shilkina E.A.³, Krutovsky K.V.⁴ Genome sequencing and assembly of Siberian larch (*Larix sibirica* Ledeb.) and Siberian pine (*Pinus sibirica* Du Tour.) and preliminary transcriptome data. ¹*V.N. Sukachev Institute of Forest of SB RAS* (Krasnoyarsk), Russia. ²*Siberian Federal University (Krasnoyarsk), Russia*. ³*Center for Forest Protection in Krasnoyarsk Region* (Krasnoyarsk), Russia. ⁴*Georg-August-University of Göttingen* (Göttingen), Germany.
- 16:40–17:00 Dobhal S.¹, Kumar A.² Genetic improvement strategies for conservation of polygenic traits of economic importance in *Eucalyptus tereticornis* Sm. ¹*Forest Research Institute*, ²*Indian Council of Forestry Research and Education*, (Dehradun), India.
- 17:00–17:20 Kostrikin V.A.¹ Normative legal groundwork for conservation of forest genetic resources of Russia. ¹*Research Institute of Forest Genetics, Breeding and Biotechnology* (Voronezh), Russia.
- 17:20–17:40 Vidyakin A.J.¹ Scientific basis of regeneration and protection of forest genetic resources in Russia. ¹*Institute of Biology, Russian Academy of Sciences, Ural Branch, Komi Scientific Center* (Kirov), Russia.
- 17:40–18:00 Glotov N.V.¹, Vidyakin A.J.², Tarakanov V.V.³ Estimation of genetic heterogeneity of populations of wood plants species: methodical principles of selection of trees and populations, sequence of research stages. ¹*Mari State University* (Yoshkar-Ola), Russia. ²*Institute of Biology, Russian Academy of Sciences, Ural Branch, Komi Scientific Center* (Kirov), Russia. ³*West-Siberian Branch of V.N. Sukachev Institute of Forest, Russian Academy of Sciences, Siberian Branch* (Novosibirsk), Russia.
- 18:00–18:20 Goroshkevich S.N.¹ Organisation levels of genetic diversity (for forest tree plants as an example). ¹*Institute of Monitoring of Climatic and Ecological Systems of SB RAS* (Tomsk), Russia.
- 18:20–18:40 Dragavtsev V.A.¹ Hypothesis about nature of "genotype-environment interaction" phenomenon and possibility of fast estimation of adaptive polymorphism in forest populations. ¹*Agrophysical Institute* (Saint-Petersburg), Russia.

18:40–19:40 Dinner

19:40–20:30 Poster session

August 25, Tuesday

08:00–9:00 Breakfast

Section I. Conceptualization of national program on protection and sustainable use of forest genetic resources in Russia. Theoretical and methodical problems of research, protection and sustainable use of forest genetic resources.

- 09:00–09:20 Semerikov V.L.¹, Putintseva Yu.A.², Oreshkova N.V.³, Krutovsky K.V.^{2,4,5} Development of mitochondrial DNA markers for conifers – in the key coniferous species of Siberian boreal forests based on the genome sequencing and their application in phylogeography. ¹*Institute of Plant and Animal Ecology, Russian Academy of Sciences, Ural Branch (Yekaterinburg), Russia.* ²*Genome Research and Education Center, Siberian Federal University (Krasnojarsk), Russia.* ³*V.N. Sukachev Institute of Forest of SB RAS (Krasnoyarsk), Russia;* ⁴*Georg-August-University of Göttingen (Göttingen), Germany.* ⁵*N.I. Vavilov Institute of General Genetics of RAS (Moscow), Russia.*
- 09:20–09:40 Tretyakova I.N.¹, Park M.E.¹, Ivanitskaya A.S.¹ Microclonal reproduction of *Larix sibirica* and *Larix sukaczewii* by in vitro somatic embryogenesis biotechnology. ¹*V.N. Sukachev Institute of Forest of SB RAS (Krasnoyarsk), Russia.*
- 09:40–09:55 Kashkarov E.P.¹, Pomortsev O.A.² Quantitative approach to the forest conservation strategy. ¹*International Rhythm Research Institute (Trout Lake), USA.* ²*North-Eastern Federal University named after M.K. Ammosov (Yakutsk), Russia.*
- 09:55–10:10 Petrova E.A.¹, Goroshkevich S.N.¹ Genetic variation in Siberian Stone Pine: structure and relationship of adaptive and neutral components. ¹*Institute of Monitoring of Climatic and Ecological Systems of SB RAS (Tomsk), Russia.*
- 10:25–10:45 Zhuk E.A.¹, Goroshkevich S.N.¹ Pattern and nature of adaptive diversity in boreal forest tree species (by the example of *Pinus sibirica*). ¹*Institute of Monitoring of Climatic and Ecological Systems of SB RAS (Tomsk), Russia.*
- 10:45–11:00 Popov A.G.¹, Goroshkevich S.N.¹, Suyazov N.S.¹, Khutornoy O.V.¹ Dwarf pine species as a product of evolution nomogenesis and adaptation convergence. ¹*Institute of Monitoring of Climatic and Ecological Systems of SB RAS (Tomsk), Russia.*
- 11:00–11:30 Coffee-break
- 11:30–11:45 Boronnikova S.¹, Prishnivskaya Y.V.¹, Nechaeva Yu.S.¹, Chumak E.I.¹, Andriyanova M.¹ Molecular genetic analysis and identification of populations of tree species Urals. ¹*Perm State University (Perm), Russia.*
- 11:45–12:00 Vasilyeva G.¹, Goroshkevich S.N.¹, Petrova E.A.¹ Diversity structure of Eurasian 5-needle pines as a result of the reticulate evolution. ¹*Institute of Monitoring of Climatic and Ecological Systems of SB RAS (Tomsk), Russia.*
- 11:45–12:00 Velisevich S.¹, Goroshkevich S.N.¹, Petrova E.A.¹, Bender O.¹ The structure of marginal populations in forest woody plants: genotype and phenotype, growth and sexual reproduction, productivity and sustainability (for example, Siberian stone pine). ¹*Institute of Monitoring of Climatic and Ecological Systems of SB RAS (Tomsk), Russia.*
- 12:00–12:15 Klushevskaja E.S.¹, Kuznetsova N.F.¹ Creation of experimental biotest-system of *Pinus sylvestris* L. for the physiologic-biochemical researches. ¹*Research Institute of Forest Genetics, Breeding and Biotechnology, (Voronezh), Russia.*
- 12:15–12:30 Hristovski N.¹, Nastevska I., Kuznetsova G.², Nastevska S. Some endemic and relict species in mountain Jablanica, Macedonia. ¹*Dimitar University (Bitola), Republic of Macedonia.* ²*V.N. Sukachev Institute of Forest of SB RAS (Krasnoyarsk), Russia.*
- 12:30–12:45 Abdullina D.¹, Petrova I.¹ Reproductive isolation and allozyme differentiation of populations of Scotch pine in Yakutia and adjacent regions. ¹*Botanical Garden, Russian Academy of Sciences, Ural Branch (Yekaterinburg), Russia.*
- 12:45–13:00 Bender O.¹ Structural and functional organization of the boreal conifer species leaves: character and diversity source. ¹*Institute of Monitoring of Climatic and Ecological Systems of SB RAS (Tomsk), Russia.*

13:00 – 14:00 Lunch

Section II. Structure and dynamics of population gene pools, “relic” populations in the refugium area, strategy of forest genetic conservation under global climate changes and anthropogenic effects.

- 14:00–14:20 Sannikov S.¹, Petrova I.¹ Genogeography and genotaxonomy of *Pinus sylvestris* L. populations in Russia. ¹*Botanical Garden, Russian Academy of Sciences, Ural Branch* (Yekaterinburg), Russia.
- 14:20–14:40 Vidyakin A.J.¹, Boronnikova S.², Prishnivskaya Y.V.². Genetic differentiation of morphogenetically selected populations of Scots pine in the East of the Russian plain. ¹*Institute of Biology, Russian Academy of Sciences, Ural Branch, Komi Scientific Center* (Kirov), Russia. ²*Perm State University* (Perm), Russia.
- 14:40–15:00 Ilinov A.A.¹, Raevsky B.V.² Evaluation of *Pinus sylvestris* L. gene pool in Karelia. ¹*V.N. Sukachev Institute of Forest of SB RAS* (Krasnoyarsk), Russia. ²*Forest Research Institute, Russian Academy of Sciences, Karelian Scientific Center* (Petrozavodsk), Russia.
- 15:00–15:20 Efimov V.M.¹, Goncharov N.P.¹ Multidimensional analysis of climatic data in connection with global warming problem. ¹*Institute of Cytology and Genetics of SB RAS* (Novosibirsk), Russia.
- 15:40–16:00 Mudrik E.A.¹, Politov D.V.¹, Polyakova T.A.¹, Shatokhina A.V.¹ Genetic diversity and differentiation of *Picea abies* – *P. obovata* complex by mitochondrial and nuclear markers. ¹*N.I. Vavilov Institute of General Genetics* (Moscow), Russia.
- 16:00–16:30 **Coffee-break**
- 16:30–16:50 Kravchenko A.N.¹, Ekart A.K.¹, Larionova A.Ya.¹ Intraspecific variability and differentiation of the natural populations of Siberian spruce (*Picea obovata* Ledeb.) by microsatellite loci. ¹*V.N. Sukachev Institute of Forest of SB RAS* (Krasnoyarsk), Russia.
- 16:50–17:10 Shishkina O.K.¹, Gushchin V.A., Sivolapov V.A.², Karpechenko N.A., Shilkina E.A.³ Results and prospects of application of molecular genetics in the practice of forestry. ¹*Federal Center for Forest Protection* (Pushkino), Russia. ²*Center for Forest Protection in Voronezh Region*, (Voronezh), Russia. ³*Center for Forest Protection in Krasnoyarsk Region* (Krasnoyarsk), Russia.
- 17:10–17:30 Tikhonova I.V.¹ On some approaches to the study of intraspecific diversity of coniferous species in relation to climatic factors of growth (on example of Scots pine). ¹*V.N. Sukachev Institute of Forest of SB RAS* (Krasnoyarsk), Russia.
- 17:30–17:50 Kuznetsova N.F.¹ Reproductive potential of *Pinus sylvestris* L. and strategy of species survival in the conditions of global climate change. ¹*Research Institute of Forest Genetics, Breeding and Biotechnology* (Voronezh), Russia.
- 17:50–18:10 Belokon Y.¹, Belokon M.¹, Vidyakin A.J.², Golikov A.³, Politov D.V.¹ Genetic, morphological and ecological aspects of Scots pine populations differentiation in some regions of Eastern Europe ¹*N.I. Vavilov Institute of General Genetics* (Moscow), Russia. ²*Institute of Biology, Russian Academy of Sciences, Ural Branch, Komi Scientific Center* (Kirov), Russia. ³*Center for Forest Protection in Novgorod Region* (Velikiy Novgorod), Russia.
- 18:10–18:30 Egorov E.¹ Allozyme polymorphism and differentiation of Scots pine populations in the middle Siberia and Trans-Baikalia. ¹*Botanical Garden, Russian Academy of Sciences, Ural Branch* (Yekaterinburg), Russia.

18:30 – 19:30 **Dinner**

19:30–20:30 Excursion to Ozerski Forest Management Enterprise (Pine forest seed plantations)

August 25, Wednesday

08:00 – 9:00 **Breakfast**

Section II. Structure and dynamics of population gene pools, “relic” populations in the refugium area, strategy of forest genetic conservation under global climate changes and anthropogenic effects.

- 09:00–09:15 Sannikov S.¹, Egorov E.¹ Revelation and estimation of contribution of Pleistocene refugia system in gene pool of *Pinus sylvestris* L. ¹*Botanical Garden, Russian Academy of Sciences, Ural Branch* (Yekaterinburg), Russia.

- 09:15–09:30 Sannikova N.¹, Egorov E.¹ Hypothesis of genetic integration of *Pinus sylvestris* L. populations in Ob valley as a result of its hydrochory. ¹*Botanical Garden, Russian Academy of Sciences, Ural Branch (Yekaterinburg), Russia.*
- 09:30–09:45 Semerikova S.¹, Semerikov V.¹ Spontaneous hybridization of firs in natural populations and in culture, identification of specimens, role of hybridization in the evolution of the genus *Abies*: data of the molecular phylogenetic analysis. ¹*Institute of Plant and Animal Ecology, Russian Academy of Sciences, Ural Branch (Yekaterinburg), Russia.*
- 09:45–10:00 Cherepanova O.¹, Sannikov S.¹, Petrova I.¹ Reproductive isolation and genetic differentiation of dryland and bog populations of *Pinus sylvestris* L. in Western Siberia and Russian Plain. ¹*Botanical Garden, Russian Academy of Sciences, Ural Branch (Yekaterinburg), Russia.*
- 10:00–10:15 Shatokhina A.V.¹, Polyakova T.A.¹, Belokon M.¹, Belokon Y.¹, Mudrik E.A.¹, Politov D.V.¹, Gurskaya A.S.², Ivashov A.V.² Genetic analysis of Sessile oak (*Quercus petraea* (Matt.) Liebl.) and Pubescent oak (*Q. pubescens* Willd.) in Crimea. ¹*N.I. Vavilov Institute of General Genetics (Moscow), Russia.* ²*V.I. Vernadsky Crimea Federal University (Simferopol), Russia.*
- 10:15–10:30 Sheikina O.¹, Gladkov Y.¹, Unzhenina O.¹ Microsatellite loci variability in neighboring dry land and swamp populations of Scotch pine (*Pinus sylvestris* L.) in Republic Mary El. ¹*Volga State University of Technology (Yoshkar-Ola), Russia.*
- 10:30–10:45 Zatsepina K.¹, Kalchenko L.I.², Tarakanov V.V.¹, Ekart A.K.³, Larionova A.Ya.³. Differentiation of *Pinus sylvestris* L. populations in tape pine forests of Altai region, revealed with application of markers various nature ¹*West-Siberian Branch of the Institute of Forest of SB RAS (Novosibirsk), Russia.* ²*Center for Forest Protection in Altai Region (Barnaul), Russia.* ³*V.N. Sukachev Institute of Forest of SB RAS (Krasnoyarsk), Russia.*
- 10:45–11:00 Zhekina N.V.¹, Rogozin M.¹, Komarov S.S.¹ Chemical composition of needles in the populations of Finnish spruce in the Perm region. ¹*Perm State University (Perm), Russia.*

11:00–11:30 **Coffee-break**

- 11:30–11:45 Martynenko N.¹, Boronnikova S.¹ Genetic diversity of some populations of *Populus nigra* L. from the South Ural. ¹*Perm State University (Perm), Russia.*
- 11:45–12:00 Polyakova T.A.¹, Shatokhina A.V.¹, Ershova O.A., Trusov N.A. Variability of nuclear microsatellite DNA loci in *Spiraea* genus (*Rosaceae* Juss). ¹*N.I. Vavilov Institute of General Genetics (Moscow), Russia.*
- 12:00–12:20 Khantemirova E.¹ Genetic variation of chloroplast markers in natural populations of common juniper (*Juniperus communis* L.). ¹*Institute of Plant and Animal Ecology, Russian Academy of Sciences, Ural Branch (Yekaterinburg), Russia.*

Section III. Selection objects and gene pool conservation: state, genetic passport system, selection of “elite”, regionalization of seed sources (seed zoning).

- 12:20–12:40 Kumar A.¹ Genetic improvement for growth performance to produce higher biomass in *Gmelina arborea* Roxb. ¹*Indian Council of Forestry Research and Education (Dehradun), India.*
- 12:40–13:00 Kumar A.¹, Dobhal S.², Sharma S. Diversity analysis for *Dalbergia sissoo* Roxb. and its strategic exploitation in seed orchards. ¹*Indian Council of Forestry Research and Education (Dehradun), India,* ²*Forest Research Institute (Dehradun), India.*

13:00 – 14:00 **Lunch**

- 14:00–14:20 Acma B.¹ New Horizons of Natural Resources in the Eurasia: Southeastern Anatolia Region and Southeastern Anatolia Project (GAP) in Turkey. ¹*Anadolu University (Eskisehir), Turkey.*
- 14:20–14:40 Sannikov S.¹, Shavnin S.¹, Sannikova N.¹, Petrova I.¹ Genetic and ecological principles for the selection, estimation and classification of forest genetic reserves. ¹*Botanical Garden, Russian Academy of Sciences, Ural Branch (Yekaterinburg), Russia.*
- 14:40–15:00 Rogozin M.¹ Breeding program softwood in forest seed region. ¹*Perm State University (Perm), Russia.*
- 15:00–15:20 Titov E.V.¹ Walnut Plantation of Siberian cedar on the basis of selection: Status and Prospects. ¹*Voronezh State Academy of Forestry and Technologies,* ¹*Research Institute of Forest Genetics, Breeding and Biotechnology (Voronezh), Russia.*

15:20–15:40 Tsarev A.P.¹, Tsareva R.P. Poplar genetic resources in Central Chernozem region ¹*Petrozavodsk State University* (Petrozavodsk), Russia.

16:00–16:30 **Coffee-break**

16:30–14:50 Nakvasina E.N.¹ Reproduction characteristics of the Tyumen ecotype of Scots pine in the provenance tests of Northern European Russia. ¹*Northern (Arctic) Federal University* (Arkhangelsk), Russia.

16:50–17:10 Isakov Y.N.¹, Isakov I.Y.² Fertility assessment of the Scots pine trees on the objects of the permanent forest-seed base. ¹*Research Institute of Forest Genetics, Breeding and Biotechnology*, ²*Voronezh State Academy of Forestry and Technologies* (Voronezh), Russia.

17:10–17:30 Kuzmina N.¹, Kuzmin S.¹ Growth dynamics of Scots pine climatypes – candidates into breed-populations in the provenance trial. ¹*V.N. Sukachev Institute of Forest of SB RAS* (Krasnoyarsk), Russia.

17:30–17:50 Matveeva R.N.¹, Bratilova N.P.¹, Butorova O.F.¹, Scherba Ju.E.¹ Preservation of the gene pool of Cedar Siberian pine in south of Central Siberia, ¹*Siberian State Technological University* (Krasnoyarsk), Russia.

17:50–18:10 Mashkina O.S.¹ Dynamics of growth and survival of heteroploid hybrid poplar in the Voronezh region. ¹*Voronezh State University* (Voronezh), Russia.

18:10–18:30 Novikova T.N.¹ Analysis of the Scots pine provenances trial in the West Transbaikalie in order to clarify of forest seed zoning. ¹*V.N. Sukachev Institute of Forest of SB RAS* (Krasnoyarsk), Russia.

18:10–18:30 Poster session

Barchenkov A.P.¹ Variability of Larch morphological features in some Siberia regions. ¹*V.N. Sukachev Institute of Forest of SB RAS* (Krasnoyarsk), Russia.

Polezhaeva M.¹ Diversity of cpDNA of Siberian and Far Eastern rhododendrons. ¹*Institute of Plant and Animal Ecology, Russian Academy of Sciences, Ural Branch* (Yekaterinburg), Russia.

Golikov A.¹ Quantitative characters in seminal generation of Norway spruce plus trees stereomorph in relation to plant population. ¹*Center for Forest Protection in Novgorod Region* (Velikiy Novgorod), Russia.

Kalchenko L.I.¹, Bondarev A.Y., Golchenko S.V. Condition of the objects of Integrated Genetic-Selection Complex which were devolved to the subjects of the Russian Federation. ¹*Center for Forest Protection in Altai Region* (Barnaul), Russia.

Nikitenko E.¹ *Pinus koraiensis* breeding for the seed productivity purpose. ¹*Far East Forestry Research Institute* (Khabarovsk), Russia.

Chebotko N.¹, Terekhova S.V. Objects of selection on a pine-tree in Kazakhstan. ¹*Kazakh Research Institute of Forestry and Agroforestry* (Shchuchinsk), Kazakhstan.

Kabanova S.A.¹, Danchenko A.M.², Danchenko M.A.² Hereditivity of the quickness of growth of the half-sib progeny of the birch in Northern Kazakhstan. ¹*Kazakh Research Institute of Forestry and Agroforestry* (Shchuchinsk), Kazakhstan. ²*Tomsk State University* (Tomsk), Russia.

Bondarev A.Y.¹ About damage from box elder (*Acer negundo*) and activities against its distribution. ¹*Center for Forest Protection in Altai Region* (Barnaul), Russia.

Tarabukina N.P.¹, Neustroev M.P.¹, Savvinov D.D.¹, Neustroev M.M.¹, Stepanova A.M.¹, Parnikova S.I.¹ Effects of oil contaminations on microbiota of permafrost taiga soddy-carbonate loamy soils. ¹*Yakut Agricultural Research Institute* (Yakutsk), Russia.

19:30–22:30 **Friendly dinner**

August 26, Thursday

08:00–9:00 Breakfast

Section III. Selection objects and gene pool conservation: state, genetic passport system, selection of “elite”, regionalization of seed sources (seed zoning).

- 09:00–09:15 Raevsky B.V.¹, Schurova M.L.² Methodology of breed-genetic assessment of Scots pine clones on forest seed plantations. ¹*Forest Research Institute, Karelian Research Centre of RAS*, ²*Center for Forest Protection in Leningrad oblast (Petrozavodsk)*, Russia.
- 09:15–09:30 Shirnin V.¹, Krukova S.¹ Preservation of the gene pool and objects unified genetic-breeding complex of English oak in the Central Chernozem. ¹*Research Institute of Forest Genetics, Breeding and Biotechnology (Voronezh)*, Russia.
- 09:30–09:45 Ilyichev J.¹ Condition of Siberian pine (*Pinus sibirica* Du Tour) clone objects in Republic Altai: survival and perspectives of breeding. ¹*West-Siberian Branch of the Institute of Forest of SB RAS (Novosibirsk)*, Russia.
- 09:45–10:00 Zemlyanoi A.¹ On the program of selection of the *Pinus sibirica* Du Tour on seed production. ¹*West-Siberian Branch of the Institute of Forest of SB RAS (Novosibirsk)*, Russia.
- 10:00–10:15 Kuznetsova G.V.¹, Darikova Y.², Naumova N.B.³, Makarikova R.P.³, Grek V.⁴, Grodniskaya I.D.¹ Assessment of adaptive possibilities of Stone pines to different ecological factors in test places. ¹*V.N. Sukachev Institute of Forest of SB RAS (Krasnoyarsk)*, Russia, ²*Siberian Federal University (Krasnoyarsk)*, Russia, ³*Institute of Soil Science and Agrochemistry of SB RAS (Novosibirsk)*, Russia, ⁴*Far East Forestry Research Institute (Khabarovsk)*, Russia.
- 10:15–10:35 Kuzmin S.¹, Rogovtsev R.² Analysis of radial growth and latewood features of Scots pine in provenance trials in Western and Central Siberia. ¹*V.N. Sukachev Institute of Forest of SB RAS (Krasnoyarsk)*, Russia, ²*Center for Forest Protection in Novosibirsk Region (Novosibirsk)*, Russia.
- 10:35–10:55 Blagodarova T.A.¹ Condition of CFSE objects of English oak in Belgorod, Voronezh, Kursk and Lipetsk regions. ¹*Research Institute of Forest Genetics, Breeding and Biotechnology (Voronezh)*, Russia.

11:00-11:30 Coffee-break

- 11:30–11:50 Varivodina I.¹, Mashkina O.¹, Varivodin V.¹ Quality poplar and aspen better selection forms. ¹*Research Institute of Forest Genetics, Breeding and Biotechnology (Voronezh)*, Russia.
- 11:50–12:05 Grek V.S.¹, Nechaev A.A.¹, Morin V.A.¹ Forest stationary objects of conifer plantations with improved genetic properties in the Khabarovsk Territory. ¹*Far East Forestry Research Institute (Khabarovsk)*, Russia.
- 12:05–12:20 Molorodov Yu.I.¹, Tikunova N.V.² Computer Information System "Genomics borne pathogens ticks". ¹*Institute of Computational Technologies SB RAS (Novosibirsk)*, Russia, ²*Institute of Chemical Biology and Fundamental Medicine (Novosibirsk)*, Russia.

Section IV. Genetics and epigenetics of adaptive and breeding traits; selection for stability, productivity and other valuable tree improvement traits.

- 12:20–12:40 Iroschnikov A.I.¹ Siberian lurch reaction (*Larix sibirica* Ledeb.) to radioactive pollution of forests in Eastern Tannu-Ola in Republic Tyva. ¹*Research Institute of Forest Genetics, Breeding and Biotechnology (Voronezh)*, Russia.
- 12:40–13:00 Pavlov I.N.¹ Phenotypic development of resistance of main forest coniferous species in Siberia and Far East to root pathogens. ¹*V.N. Sukachev Institute of Forest of SB RAS (Krasnoyarsk)*, Russia.

13:00 – 14:00 Lunch

- 14:00–14:15 Pardayeva E.Yu.^{1,2}, Tabatskaya T.M.¹, Mashkina O.^{1,2}, Study of tolerance of Scots pine trees (*Pinus sylvestris* L.) using callus cultures *in vitro* in modeled stress conditions. ¹*Research Institute of Forest Genetics, Breeding and Biotechnology*, ²*Voronezh State University (Voronezh)*, Russia.
- 14:15–14:30 Isakov I.Y.¹, Isakov Y.N.², Tregubov O.V.¹ The use of different crossing schemes for identification valuable genotypes of birch species on features of productivity and drought resistance in island forests of the typical forest-steppe. ¹*Voronezh State Academy of Forestry and Technologies*, ²*Research Institute of Forest Genetics and Breeding (Niilgis) (Voronezh)*, Russia.

- 14:30–14:45 Goroshkevich S.N.¹, Zhuk E.A.¹, Vasilyeva G.¹ Somatic mutations in Siberian conifer species as initial material for ornamental cultivar breeding. ¹*Institute of Monitoring of Climatic and Ecological Systems of SB RAS* (Tomsk), Russia.
- 14:45–15:00 Orekhova T.P.¹ The peculiarities of natural and man-made reforestation in Korean pine broadleaved forests of South Primorye. ¹*Institute of Biology and Soil Sciences, Russian Academy of Science, Far East Branch* (Vladivostok), Russia.
- 15:00–15:15 Shilkina E.A.¹, Razdorozhnay T.Yu.¹, Sheller M.A.¹ DNA-diagnostics of fungal diseases in forest nurseries in Krasnoyarsk region. ¹*Center for Forest Protection in Krasnoyarsk Region* (Krasnoyarsk), Russia.
- 15:15–15:30 Shuvaev D.N.¹, Dergachev V.I.¹, Kalchenko L.I.¹ Identification of *Heterobasidion annosum* (Fr.) Bref s.l. in the stand of trees of Scots pine in Altay region by methods of DNA-analysis. ¹*Center for Forest Protection in Altai Region* (Barnaul), Russia.
- 15:30–15:45 Kuznetsova G.V.¹ Rare forms of Siberian pine the Baikal population. ¹*V.N. Sukachev Institute of Forest of SB RAS* (Krasnoyarsk), Russia.
- 15:45–16:00 Tikhonova N.A.¹, Tikhonova I.V.¹ Individual variation of *Pinus sylvestris* L. on the drought resistance feature in the forest-steppe pine forests of South Siberia. ¹*V.N. Sukachev Institute of Forest of SB RAS* (Krasnoyarsk), Russia.

16:00-16:30 Coffee-break

- 16:30–16:45 Makhniova S.¹ Male generative system of Scots pine in the conditions of technogenic pollution of the environment. ¹*Botanical Garden, Russian Academy of Sciences, Ural Branch* (Yekaterinburg), Russia.
- 16:45–17:00 Bazhina E.¹ Chemical composition of *Abies sibirica* Ledeb. needles in different sites. ¹*V.N. Sukachev Institute of Forest of SB RAS* (Krasnoyarsk), Russia.
- 17:00–17:15 Zalesov S.V.¹, Razhanov M.R.¹, Dancheva A.V.¹, Opletaev A.S.¹ Experience of trees and shrubs introduction in the forest nursery "Ak Kajin". ¹*Ural State Forest Engineering University* (Yekaterinburg), Russia.
- 17:15–17:30 Krekova Y.¹, Chebotko N.¹ Introduction of *Physocarpus* Maxim in Northern Kazakhstan. ¹*Kazakh Research Institute of Forestry and Agroforestry* (Shchuchinsk), Kazakhstan.
- 17:30–17:45 Dudareva L.V.¹, Makarenko S.¹, Shmakov V.¹, Semenova N.¹, Konstantinov Y.¹ Peculiarities of fatty acid composition in some *Coniferae* callus tissues. ¹*Siberian Institute of Plant Physiology and Biochemistry of SB RAS* (Irkutsk), Russia.

17:45–18:30 Dinner

18:30–21:30 Excursion to Altai Forest RAO

Participation via published abstracts only

- Bubyakina V.V.¹, Tatarinova T.D.¹, Vasylieva I.V.¹, Perk A.A.¹, Ponomarev A.G.¹ The Impact of extreme climate of Yakutia on some biological characteristics of larch (for example proteins dehydrins). ¹*Institute for Biological Problems of Criolythozone, SB RAS* (Yakutsk), Russia.
- Gukov G.V.¹, Kostyrina T.V.¹, Rozlomy N.G.¹, Lee M.A.¹ To the conservation and integrated use of cedar-broadleaf forests of Primorye. ¹*Primorskaya state agricultural Academy*, (Ussuriysk), Russia.
- Gutiy L.N.¹ Vitality and height growth of lodgepole pine in experimental plantations in the Komi Republic. ¹*Syktvykar Forest Institute* (Syktvykar), Russia.
- Nechaeva Y.¹, Chumak E.I.¹, Boronnikova S.¹, Chebotko N.² Genetic diversity of populations of *Larix sibirica* Ledeb in the Urals. ¹*Perm State University* (Perm), Russia. ²*Kazakh Research Institute of Forestry and Agroforestry* (Shchuchinsk), Kazakhstan.
- Nokhsorov V.¹, Dudareva L.V.², Chepalov V.A.³, Perk A.A.³, Petrov K.A.³ Seasonal content of fatty acids lipids in woody plants in Yakutia. ¹*North-Eastern Federal University named after M.K. Ammosov* (Yakutsk), Russia. ²*Siberian Institute of Plant Physiology and Biochemistry of SB RAS* (Irkutsk), Russia. ³*Institute for Biological Problems of Criolythozone, SB RAS* (Yakutsk), Russia.

- Perk A.A.¹, Ponomarev A.G.¹, Tatarinova T.D.¹, Vasilieva I.V.¹, Bubyakina V.V.¹ Concern of stress protein-dehydrin in with frost hardiness development of *Pinus sylvestris* in cryolithozone. ¹*Institute for Biological Problems of Criolythozone, SB RAS (Yakutsk), Russia.*
- Putenikhin V.P.¹ Population structure and gene pool preservation in Scots pine in the South Urals. ¹*Botanical Garden-Institute, Ufa Scientific Center RAS (Ufa), Russia.*
- Putenikhina K.V.¹ Variability of generative organs in Siberian stone pine under the conditions of introduction in Bashkir Cis-Urals: possibilities for selection. ¹*Botanical Garden-Institute, Ufa Scientific Center RAS (Ufa), Russia.*
- Sivolapov A.I.¹, Blagodarova T.A.², Sivolapov V.A.³ HSNR– sustainable basis to preserve the gene pool of flood and mountain plantations of English oak, black alder, white, gray and black poplar. ¹*Voronezh State Academy of Forestry Engineering*, ²*Research Institute of Forest Genetics, Breeding and Biotechnology*, ³*Center for Forest Protection in Voronezh Region, (Voronezh), Russia.*
- Chernodubov A.I.¹ Positive and population selection tree species. ¹*Voronezh State Academy of Forestry Engineering (Voronezh), Russia.*