



Federal Forest Agency Rosleskhoz, Siberian Federal District  
Global Fire Monitoring Center (GFMC)  
State Duma Committee on Natural Resources, Environment and Ecology  
Ministry of Emergency Situations EMERCOM  
Government of Novosibirsk Oblast

**Forest Fire Fighting Technologies. Ecology. Climate - 2013**

International Congress

Forest Fire and Climate Change: Challenges for Fire Management in Natural and Cultural  
Landscapes of Eurasia

**Novosibirsk, Russia**

### **Organizing Committee**

- Federal Forest Agency Rosleskhoz
- Global Fire Monitoring Centre (GFMC)
- State Duma Committee on Natural Resources, Environment and Ecology
- Ministry of Emergency Situations EMERCOM
- Administration of the Siberian Federal District
- Government of Novosibirsk Oblast

### **Congress Themes**

- Regional climate change in Eurasia: Observed trends and modeling of the Future
- Impacts of climate change on Eurasian landscapes (forests, wetlands and peatlands, steppes and grasslands)
- Challenges and new approaches for forest management and fire management under changing socio-economic and environmental conditions
- Fire management in agricultural lands
- Participation of Civil society in Fire management (Fire prevention, defense of villages and rural assets against wildfires, volunteers)
- Public policies and strategic planning in fire management

## International Congress Forest Fire and Climate Change: Challenges for Fire Management in Natural and Cultural Landscapes of Eurasia

IEC Novosibirsk Expo Center, Russia, Novosibirsk  
11-12 November 2013

Note: Abbreviations „t.b.c.“ = to be confirmed; „t.b.d.“ = to be determined

### Monday, 11 November 2013

09:00-10:00	<b>Registration of participants</b>	Ground floor, registration desk next to the Exhibition Hall A
10:00-10:20	<b>Opening Session</b>  Opening Remarks by: <ul style="list-style-type: none"> <li>• <b>Vasily A. Jurchenko</b>, Governor of Novosibirsk oblast</li> <li>• <b>Vladimir I. Kashin</b>, Chairman of the State Duma Committee on Natural Resources, Environment and Ecology</li> <li>• <b>Alexander M. Gura</b>, Head of Forestry Department in Siberian Federal District</li> <li>• <b>Prof. Dr. Johann G. Goldammer</b>, Director, Global Fire Monitoring Center (GFMC), Germany</li> </ul>	Exhibition Hall A
10:20-10:50	Visit of Exhibition “Forest Fire Fighting Siberia”	Exhibition Hall A
11:00-12:00	<b>Panel discussion: How will regions of Russia be prepared to cope with climate change and aggravating forest fires?</b>  Moderator: (t.b.d.)  Statements of Heads of Forestry departments in Regions and Head of EMERCOM of Russia in Novosibirsk oblast	Conference Hall 3, second floor
12:00-13:00	<b>Introductory Scientific Session: Forest Fire and Climate Change (Part I)</b>  Theme: <ul style="list-style-type: none"> <li>• Impacts of climate change on Eurasian landscapes and fire regimes (forests, wetlands and peatlands, steppes and grasslands). Observed trends and modeling of the future</li> </ul> Moderator: (t.b.d.)  Keynote Presentations: <ul style="list-style-type: none"> <li>• <b>Prof. Dr. Johann G. Goldammer</b>, Director, Global Fire Monitoring Center (GFMC), Germany. Forest fire and global change: Challenges for fire management in natural and cultural landscapes of temperate-boreal Eurasia.</li> <li>• <b>Dr. Valentin V. Furyaev</b>, Principal Research Scientist at the V.N. Sukachev Institute of Forest, Siberian Branch of the Russian Academy of Sciences. Fire ecology in the main forest ecosystems of Russia.</li> <li>• <b>Mr. Brian J. Stocks</b>, Wildfire Investigations Ltd., Canada. Impacts of climate change on forest fire regimes in the northern temperate-boreal zone of Eurasia and North America.</li> </ul>	Conference Hall 3, second floor

13:00-14:00	Lunch	
14:00-15:15	<p><b>Scientific Session: Forest Fire and Climate Change (Part II)</b></p> <p>Themes:</p> <ul style="list-style-type: none"> <li>• Impacts of climate change on Eurasian landscapes and fire regimes (forests, wetlands and peatlands, steppes and grasslands): Observed trends and modeling of the future</li> <li>• Role of vegetation fires on the global carbon cycle, including the transboundary impacts carbon Emissions</li> </ul> <p>Moderator: <b>Prof. Dr. Sergiy V. Zibtsev</b>, Director, Regional Eastern European Fire Monitoring Center, Ukraine.</p> <p>Presentations:</p> <ul style="list-style-type: none"> <li>• <b>Dr. Elena A. Kukavskaya</b>, Research Scientist at the V.N. Sukachev Institute of Forest, Siberian Branch of the Russian Academy of Sciences. Forest fires in Siberia: Impacts on the atmosphere and carbon fluxes.</li> <li>• <b>Dr. Valeriy A. Ivanov</b>, Head of Forestry Department, Siberian State Technological University, and <b>Dr. Evgeniy I. Ponomarev</b>, Senior Research Scientist at the V.N. Sukachev Institute of Forest, Siberian Branch of the Russian Academy of Sciences. Spatio-temporal dynamics of fires in Siberian forests caused by thunderstorms.</li> <li>• <b>Dr. Peter A. Tsvetkov</b>, Head of Laboratory of Forest Fire at the V.N. Sukachev Institute of Forest, Siberian Branch of the Russian Academy of Sciences. Forest fires in Siberia: Current situation and prospects.</li> <li>• <b>Dr. Galina V. Sokolova</b>, Senior Research Scientist at Federal State Institution of Science Institute of Water and Ecological Problems, Far Eastern Branch of the Russian Academy of Sciences. North-East Asia: Forest fire weather hazards affecting climate.</li> <li>• <b>Mr. Brian J. Stocks</b>, President of B.J. Stocks Wildfire Investigations Ltd, Canada. Fire management strategies addressing change of climate and forest fire regimes</li> </ul>	Conference Hall 3, second floor
15:15-16:00	<p><b>Scientific Session: Fire Regimes of Cultural Landscapes: Implications of Land Use and Land-Use Change</b></p> <p>Themes</p> <ul style="list-style-type: none"> <li>• Impacts of changing socio-economic/demographic conditions and land use in Eurasia on forest and agricultural fire regimes and fire management</li> <li>• Fire problems on abandoned and contaminated terrain</li> </ul> <p>Moderator: <b>Prof. Dr. Nikola Nikolov</b>, Head of the Regional Fire Monitoring Center in Skopje, Macedonia.</p> <p>Presentations:</p> <ul style="list-style-type: none"> <li>• <b>Prof. Dr. Grigory Ioffe</b>, Professor of Geography, Radford University, USA. Rural Exodus in Eurasia: Consequences for Agriculture and Forestry.</li> <li>• <b>Prof. Dr. Sergiy V. Zibtsev</b>, Director, Regional Eastern European Fire Monitoring Center, Ukraine. Newly arising fire problems on afforested, abandoned and contaminated lands of Eastern Europe.</li> </ul>	Conference Hall 3, second floor

16:00-16:30	Coffee break	Hall, second floor
16:30-18:00	<p><b>Fire Management Session: Participation of Civil Society in Fire Management</b></p> <p>Themes:</p> <ul style="list-style-type: none"> <li>• Fire prevention at the interface between forests and agricultural lands</li> <li>• Defense of villages and rural assets against wildfires (involvement of civil society, volunteers, empowerment of local communities in wildfire defense, legal aspects)</li> <li>• Public information and education of the general public on fire prevention</li> </ul> <p>Moderator: <b>Prof. Dr. Grigory Ioffe</b>, Professor of Geography, Radford University, USA.</p> <p>Presentations:</p> <ul style="list-style-type: none"> <li>• <b>Mr. Grigory V. Kuksin</b>, Head of Wildland Fire Programs, Greenpeace of Russia and <b>Mr. Alexey J. Yaroshenko</b>, Head of Forestry Department, Greenpeace of Russia Greenpeace (Russia). The role of civil society in forest fire prevention and defense.</li> <li>• <b>Vasily M. Tropin</b>, EMERCOM of Russia, Novosibirsk Region. Defense of settlements against wildfires on the territory of Novosibirsk oblast.</li> <li>• <b>Prof. Dr. Nikola Nikolov</b>, Head of the Regional Fire Monitoring Center in Skopje, Macedonia. Involvement of volunteer firefighters in enhancing wildfire preparedness and response capacities in Macedonia.</li> <li>• <b>Dr. Oyunsanaa Byambasuren</b>, Founder of the Regional Central Asia Fire Monitoring Center, Mongolia. Community participation in fire management in Mongolia.</li> <li>• <b>Prof. Dr. Johann Georg Goldammer</b>, Director, Global Fire Monitoring Center (GFMC), Germany. Guidelines for the Defense of Villages and other Rural Assets against Wildfires – An initiative of the GFMC and the Council of Europe</li> </ul>	Conference Hall 3, second floor
19:30-22:00	Reception and dinner	

**Tuesday, 12 November 2013**

10:00-11:30	<p><b>Fire Management Policies Session - National</b></p> <p>Themes:</p> <ul style="list-style-type: none"> <li>• Review of national fire management policies and implementation strategies</li> <li>• Role of recent and expected alterations of fire regimes on national and cross-border fire management</li> <li>• Review of transboundary fire management in Eurasia: Achievements and needs.</li> </ul> <p>Moderator: <b>Prof. Dr. Johann Georg Goldammer</b>, Director, Global Fire Monitoring Center (GFMC), Germany.</p> <p>Presentations:</p> <ul style="list-style-type: none"> <li>• <b>Dr. Erik N. Valendik</b>, Principal Research Scientist at the V.N. Sukachev Institute of Forest, Siberian Branch of the Russian Academy of Sciences, and <b>Yegor K. Kisilyakov</b>, Research Scientist at the V.N. Sukachev Institute of Forest, Siberian Branch of the Russian Academy of Sciences. Fire management in the Russian Federation and recommendations for the future.</li> </ul>	Conference Hall 3, second floor
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	<ul style="list-style-type: none"> <li>• <b>Dr. Alexander V. Bryukhanov</b>, Coordinator, Forest Programme of WWF Russia in Altai-Sayan Ecoregion. Fire management in protected areas: The Example of Altai-Sayan Ecoregion.</li> <li>• <b>Dr. Nikolay A. Korshunov</b>, Head of the Forest Fire Protection Department, All-Russian Institute of Continuous Education in Forestry. Management of large forest fires in Russia.</li> <li>• <b>Dr. Alexey.M. Matveev</b>, Head of Forestry department, Institute of training of workers in forestry in Siberia and the Far East (Rosleskhoz), and <b>Tatjana A. Matveeva</b>, Associate Professor, Forestry Department, Siberian State Technological University. Controlled burning as an integral part of the concept of fire management</li> <li>• <b>Elena N. Kobets</b>, Project Director, Environmental Rights Center Bellona, Russia. Agricultural burning reduction through alternatives.</li> </ul>	
11:30-13:00	<p><b>Business Session: Fire Management Technologies</b></p> <p>Presentations of exhibited products, innovations and technologies in forest fire management by manufactures and research institutions</p> <p>Moderator: <b>Mr. Yegor Chernych</b> (Novosibirsk Expo Center)</p> <p>Presentations:</p> <ul style="list-style-type: none"> <li>• <b>Ivan S. Shishalov</b>, Director, DiSiCon LLC, Russia. Characteristics of terrestrial systems for forest surveillance: New trends</li> <li>• <b>Ivan N. Bolotov</b>, Director, NPO Patriot, LLC. Fire retardant substance “Fukam”: For combating agricultural, forest and peat fires</li> <li>• <b>Mikhail M. Verzilin</b>, « All-Russian Volunteer Fire Organization» (VDPO) (Russia). Wildfire fighting solutions.</li> </ul>	Conference Hall 3, second floor
13:00-14:00	Lunch	
14:00-15:30	<p><b>Fire Management Policies Session - International</b></p> <p>Themes:</p> <ul style="list-style-type: none"> <li>• Political and practical aspects of prevention and suppression of fires crossing national borders, management of transboundary smoke pollutions</li> <li>• Sharing of fire management assets between jurisdictions and strengthening future international cooperation in fire management</li> </ul> <p>Moderator: <b>Mr. Brian J. Stocks</b>, President of B.J. Stocks Wildfire Investigations Ltd, Canada.</p> <p>Presentations:</p> <ul style="list-style-type: none"> <li>• <b>Dr. Myoungsoo Won</b>, Korea Forest Research Institute (KFRI) Seoul, South Korea. Fire management in Republic of Korea: Challenges and Visions.</li> <li>• <b>Prof. Dr. Ertugrul Bilgili</b>, Professor at Karadeniz Technical University, Trabzon, Turkey. Public policies and strategic planning in fire management in Turkey.</li> <li>• <b>Dr. Wei Min Hao</b>, Senior Research Scientist, Forest service, USA. Fire activity in Northern Eurasia from 2002 to 2010 and its contribution to Arctic black carbon</li> <li>• <b>Dr. Evgeniy I. Ponomarev</b>, Senior Research Scientist at the V.N. Sukachev Institute of Forest, Siberian Branch of the Russian Academy of Sciences.</li> </ul>	Conference Hall 3, second floor

	<p>Use of satellite assets for fire science, operational decision support and development of informed fire management policies</p> <ul style="list-style-type: none"> <li>• <b>Prof. Dr. Johann G. Goldammer</b>, Director, Global Fire Monitoring Center (GFMC), Germany. Coordinated international action: Towards the development of an international agreement on cross-boundary cooperation in fire management in the Region of the United Nations Economic Commission for Europe (UNECE).</li> </ul> <p>Concluding statement of the Sessions</p> <ul style="list-style-type: none"> <li>• <b>Prof. Dr. Johann G. Goldammer</b> (GFMC): Suggestions for discussion at the Round Table</li> </ul>	
15:30-17:00	<p><b>Parallel extended coffee break</b> Congress participants visit the Exhibition and poster presentations</p>	
15:30-17:00	<p><b>Parallel Round Table</b> Elaboration of proposals directed to the Congress and the upcoming UNECE Forum on Crossboundary Fire Management (United Nations, Geneva, 28-29 November 2013)</p>	Conference Hall 5, first floor
17:00-18:00	<p><b>Closing session</b></p> <p>Moderator: <b>Prof. Dr. Johann G. Goldammer</b>, Director, Global Fire Monitoring Center (GFMC), Germany.</p> <p>Rapporteur and speaker: (t.b.d.)</p> <ul style="list-style-type: none"> <li>• Presentation of Round Table results</li> <li>• Discussion</li> <li>• Finalization of the Congress Statement</li> </ul>	Conference Hall 3, second floor