



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

- State Duma Committee on Natural Resources, Environment and Ecology
- Ministry of Emergency Situations EMERCOM
- Federal Forest Agency Rosleskhoz, Siberian Federal District
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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

Monday, 11 November 2013

09:00-10:00	Registration of participants	Ground floor, registration desk next to the Exhibition Hall A
10:00-10:30	<p>Opening of the International Congress “Forest Fire and Climate Change. Challenges for Fire Management in Natural and Cultural Landscapes of Eurasia” and Visit of International Exhibition for Forest Fire Fighting and Protection</p> <p>Opening Remarks by:</p> <ul style="list-style-type: none"> • Alexander M. Gura, Head, Forestry Department in Siberian Federal District • Anatoliy.V. Kuznetsov, Head of the Chief Directorate of EMERCOM of Russia in the Novosibirsk oblast • Prof. Dr. Johann G. Goldammer, Director, Global Fire Monitoring Center (GFMC), Germany 	Exhibition Hall A
10:40-11:50	<p>Plenary session: Preparedness of Siberian Federal District to cope with climate change and aggravating forest fires</p> <p>Moderator: Prof. Dr. Alexey N. Marmulev, Dean, Agricultural Faculty, Novosibirsk State Agricultural University</p> <p>Participants:</p> <ul style="list-style-type: none"> • Alexander M. Gura, Head of Forestry Department in Siberian Federal District • Sergey. M. Shvets, Head, Forestry department in Novosibirsk Oblast • Anatoliy.V. Kuznetsov, Head, Chief Directorate of EMERCOM of Russia in the Novosibirsk Oblast • Roman V. Kotelnikov, Head, Department of Analysis and Scientific Research, Department of State Policy and Regulation in Forest Resources, Ministry of Natural Resources and Ecology of Russia • Gennadiy N. Dolgushin, Head of Forest Protection and Licensing Office, Forestry Department of the Siberian Federal District • Prof. Dr. Johann G. Goldammer, Director, Global Fire Monitoring Center (GFMC), Germany 	Conference Hall 3, second floor

12:00-13:00	<p>Business Session: Fire Management Technologies</p> <p>Moderator: Dr. Nikolay A. Korshunov, Head, Forest Fire Protection Department, All-Russian Institute of Continuous Education in Forestry</p> <p>Presentations:</p> <ul style="list-style-type: none"> • Ivan N. Bolotov, Director, NPO Patriot, LLC, Russia <i>Fire retardant substance “Fukam” for combating agricultural, forest and peat fires</i> • German V. Antonevich, Technical director, SibTechImpex LLC, Russia <i>AHWI Prinoth machines for Wildfire suppression and recovery</i> • Ivan S. Shishalov, Director, DiSiCon LLC, Russia <i>Characteristics of terrestrial systems for forest surveillance: New trends</i> • Georgiy V. Potapov, Project manager, RDC SCANEX LLC <i>Operational satellite monitoring – “Fire Map” and new services</i> 	Conference Hall 3, second floor
12:00-14:00 Parallel Event	<p>Round Table: Issues of Current Importance in Legal Regulations of Environmental Protection Activities</p> <p>Organized by the Department of Natural Resources and Environmental Protection of Novosibirsk Oblast.</p>	Conference Hall 1, second floor
13:00-14:00	Lunch	
14:00-16:00	<p>Scientific Session: Forest Fire and Climate Change</p> <p>Themes:</p> <ul style="list-style-type: none"> • Impacts of climate change on Eurasian landscapes and fire regimes (forests, wetlands and peatlands, steppes and grasslands): Observed trends and modeling of the future • Role of vegetation fires on the global carbon cycle, including the transboundary impacts carbon Emissions <p>Moderator: Prof. Dr. Sergiy V. Zibtsev, Director, Regional Eastern European Fire Monitoring Center, Ukraine</p> <p>Presentations:</p> <ul style="list-style-type: none"> • Prof. Dr. Johann G. Goldammer, Director, Global Fire Monitoring Center (GFMC), Germany <i>Forest fire and global change: Challenges for fire management in natural and cultural landscapes of temperate-boreal Eurasia</i> • Dr. Peter A. Tsvetkov, Head, Laboratory of Forest Fire, V.N. Sukachev Institute of Forest, Siberian Branch of the Russian Academy of Sciences <i>Forest fires in Siberia: Current situation and prospects</i> • Brian J. Stocks, B.J. Stocks Wildfire Investigations Ltd., Canada (with M.D. Flannigan and W.J. de Groot) <i>Impacts of climate change on forest fire regimes in the northern temperate-boreal zone of Eurasia and North America</i> • Dr. Elena A. Kukavskaya, Research Scientist, V.N. Sukachev Institute of Forest, Siberian Branch of the Russian Academy of Sciences <i>Forest fires in Siberia: Impacts on the atmosphere and carbon fluxes</i> • Dr. Valeriy A. Ivanov, Head of Forestry Department, Siberian State Technological University, and Dr. Evgeniy I. Ponomarev, Senior Research Scientist, V.N. Sukachev Institute of Forest, Siberian Branch of the Russian Academy of Sciences <i>Spatio-temporal dynamics of fires in Siberian forests caused by thunderstorms</i> • Brian J. Stocks, B.J. Stocks Wildfire Investigations Ltd, Canada <i>Managing wildland fires in Canada: Current status and emerging issues</i> 	Conference Hall 3, second floor
16:00-16:30	Coffee break	Hall, second floor

16:30-17:15	<p>Scientific Session: Fire Regimes of Cultural Landscapes: Implications of Land Use and Land-Use Change</p> <p>Themes</p> <ul style="list-style-type: none"> • Impacts of changing socio-economic/demographic conditions and land use in Eurasia on forest and agricultural fire regimes and fire management • Fire problems on abandoned and contaminated terrain <p>Moderator: Prof. Dr. Nikola Nikolov, Director, Regional Fire Monitoring Center, Skopje, Macedonia</p> <p>Presentations:</p> <ul style="list-style-type: none"> • Prof. Dr. Grigory Ioffe, Professor of Geography, Radford University, USA <i>Rural Exodus in Eurasia: Consequences for Agriculture and Forestry</i> • Prof. Dr. Sergiy V. Zibtsev, Director, Regional Eastern European Fire Monitoring Center, Ukraine <i>Newly arising fire problems on afforested, abandoned and contaminated lands of Eastern Europe</i> 	Conference Hall 3, second floor
17:15-18:00	<p>Fire Management Session: Participation of Civil Society in Fire Management (Part I - National)</p> <p>Themes:</p> <ul style="list-style-type: none"> • Fire prevention at the interface between forests and agricultural lands • Defense of villages and rural assets against wildfires (involvement of civil society, volunteers, empowerment of local communities in wildfire defense, legal aspects) • Public information and education of the general public on fire prevention <p>Moderator: Prof. Dr. Grigory Ioffe, Professor of Geography, Radford University, USA.</p> <p>Presentations:</p> <ul style="list-style-type: none"> • Grigory V. Kuksin, Head, Wildland Fire Programs, Greenpeace of Russia, <i>The role of civil society in forest fire prevention and defense</i> • Vasiliy M. Tropin, EMERCOM of Russia, Novosibirsk Region <i>Defense of settlements against wildfires on the territory of Novosibirsk Oblast</i> 	Conference Hall 3, second floor

Tuesday, 12 November 2013

10:00-10:45	<p>Fire Management Session: Participation of Civil Society in Fire Management (Part II - International)</p> <p>Moderator: Prof. Dr. Grigory Ioffe, Professor of Geography, Radford University, USA.</p> <p>Presentations:</p> <ul style="list-style-type: none"> • Prof. Dr. Nikola Nikolov, Director, Regional Fire Monitoring Center for Southeast Europe / Caucasus, Skopje, Macedonia <i>Involvement of volunteer firefighters in enhancing wildfire preparedness and response capacities in Macedonia</i> • Dr. Oyunsanaa Byambasuren, Founder, Regional Central Asia Fire Monitoring Center, Mongolia, and currently Deputy Director, Global Fire Monitoring Center (GFMC), Germany <i>Community participation in fire management in Mongolia</i> • Prof. Dr. Johann Georg Goldammer, Director, Global Fire Monitoring Center (GFMC), Germany <i>Guidelines for the Defense of Villages and other Rural Assets against Wildfires – An initiative of the GFMC and the Council of Europe</i> 	
10:45-12:15	<p>Fire Management Policies Session - National</p> <p>Themes:</p> <ul style="list-style-type: none"> • Review of national fire management policies and implementation strategies • Role of recent and expected alterations of fire regimes on national and cross-border fire management • Review of transboundary fire management in Eurasia: Achievements and needs. <p>Moderator: Prof. Dr. Johann Georg Goldammer, Director, Global Fire Monitoring Center (GFMC), Germany</p> <p>Presentations:</p> <ul style="list-style-type: none"> • Yegor K. Kisilyakov, Research Scientist, V.N. Sukachev Institute of Forest, Siberian Branch of the Russian Academy of Sciences (co-authored with and also on behalf of Dr. Erik N. Valendik) <i>Fire management in the Russian Federation and recommendations for the future</i> • Dr. Alexander V. Bryukhanov, Research Scientist, V.N. Sukachev Institute of Forest, Siberian Branch of the Russian Academy of Sciences; Coordinator, Forest Programme of WWF Russia in Altai-Sayan Ecoregion, Russia <i>Fire management in protected areas: The Example of Russian part of Altai-Sayan Ecoregion</i> • Dr. Nikolay A. Korshunov, Head, Forest Fire Protection Department, All-Russian Institute of Continuous Education in Forestry <i>Management of large forest fires in Russia</i> • Roman V. Kotelnikov, Head, Department of Analysis and Scientific Research, Department of State Policy and Regulation in Forest Resources, Ministry of Natural Resources and Ecology of Russia <i>Suggestions for the improvement of the system of forest fires area estimation</i> • Dr. Alexey M. Matveev, Head of Forestry department, Institute of training of workers in forestry in Siberia and the Far East (Rosleskhoz). <i>Controlled burning as an integral part of the concept of fire management</i> • Ms. Elena N. Kobets, Project Director, Environmental Rights Center Bellona, Russia <i>Agricultural burning reduction through alternatives</i> 	Conference Hall 3, second floor
12:15-13:00	Poster presentations	Conference Hall 3, second floor

13:00-14:00	Lunch	
14:00-15:30	<p>Fire Management Policies Session - International</p> <p>Themes:</p> <ul style="list-style-type: none"> • Political and practical aspects of prevention and suppression of fires crossing national borders, management of transboundary smoke pollutions • Sharing of fire management assets between jurisdictions and strengthening future international cooperation in fire management <p>Moderator: Brian J. Stocks, B.J. Stocks Wildfire Investigations Ltd, Canada.</p> <p>Presentations:</p> <ul style="list-style-type: none"> • Dr. Myoungsoo Won, Korea Forest Research Institute (KFRI), Seoul, Republic of Korea <i>Fire management in Republic of Korea: Challenges and Visions</i> • Prof. Dr. Ertugrul Bilgili, Professor, Karadeniz Technical University, Trabzon, Turkey <i>Public policies and strategic planning in fire management in Turkey</i> • Peter W. Sheldon, Scientific Officer, Global Fire Monitoring Center (GFMC), Germany <i>Black carbon emissions from agricultural burnings in Eastern Europe</i> • Dr. Evgeniy I. Ponomarev, Senior Research Scientist at the V.N. Sukachev Institute of Forest, Siberian Branch of the Russian Academy of Sciences <i>New technologies and methods of satellite remote sensing of wildfires for quantifying local to global effects of wildfires</i> • Prof. Dr. Johann G. Goldammer, Director, Global Fire Monitoring Center (GFMC), Germany <i>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)</i> 	Conference Hall 3, second floor
15:30-16:00	Coffee break	Conference Hall 7, first floor
16:00-17:30	Round Table: Elaboration of a Congress Statement directed to the upcoming UNECE Forum on Crossboundary Fire Management (United Nations, Geneva, 28-29 November 2013)	Conference Hall 5, first floor
17:30-18:00	<p>Closing Session</p> <p>Moderator: Prof. Dr. Johann Georg Goldammer, Director, Global Fire Monitoring Center (GFMC), Germany</p> <ul style="list-style-type: none"> • Presentation of Round Table results • Discussion • Finalization of the Congress Statement 	Conference Hall 5, first floor