

IUFRO 7.01 Symposium: “Forest Fires and Air Pollution Issues”

Monday, September 11, 2006
Riverside Convention Center, Victoria Room

Program

8:00 - 8:10 *Organizational Remarks*

8:10 - 8:20 *Welcome from the Director of the USDA Forest Service, Pacific Southwest Research Station* – James Sedell

8:20 - 8:30 *Welcome from the National Leader of Atmospheric Sciences Research, USDA Forest Service Washington Office* – Allen Riebau

Session I “General Information & Wildland Fire Emissions” (Allan Legge, Chair)

8:30 – 8:45 *Global perspective on wildland and prescribed fires – history, present day and future outlook* (Johann G. Goldammer and Meinrat O. Andreae; Germany)

8:45 – 9:00 *Climatic and weather factors affecting fire occurrence and behavior* (Francis M. Fujioka, A. Malcolm Gill, Domingos X. Viegas, B. Mike Wotton and Shyh-Chin Chen; USA, Australia, Portugal and Canada)

9:00 - 9:15 *Effects of wildland fire on regional and global carbon stocks in a changing environment* (Allen Solomon and Sue Conard; USA)

9:15 - 9:30 *Characterizing sources of forest fire emissions* (Roger Ottmar, Ana Isabel Miranda, David Sandberg; USA and Portugal)

9:30 – 9:45 *Trace-gas emissions from burnings in tropical forest and savanna of Brazil* (Phillip Riggan; USA)

9:45 – 10:00 *Airborne remote sensing of wildland fires in California and Brazil* (Phillip Riggan; USA)

10:00 – 10:15 *Discussion*

10:15 – 10:45 Break

Session II “Effects of Wildland Fires on Ambient Air Quality” (Gerhard Mueller-Starck, Chair)

10:45 – 11:00 *Effects of forest fires on air quality and visibility in North America* (Douglas Fox, Roger Ames, Bret Schichtel, William Malm, and Allen Riebau; USA)

11:00 – 11:15 *Real-time smoke prediction systems* (Susan M. O'Neill, N Narasimhan, Larkin, Jeanne Hoadley, Graham Mills, Joseph K. Vaughan, and Roland Draxler; USA and Australia)

11:15– 11:30 *Estimating contributions of wildland and prescribed fires on diurnal patterns of ozone in Southern Sierra Nevada, California* (Haiganoush Preisler, Sharon Zhong, Annie Esperanza, and Julide Koracin; USA)

11:30 – 11:45 *The influence of grassfire on atmospheric environment* (Sharon Zhong, C. B. Clements, G. Aumann, P. Potter, S. Goodrick, and X. Bian; USA)

11:45 – 12:00 *Discussion*

12:00 – 13:15 Lunch Break

Session III “Regional Impacts of Wildland Fires” (Kevin Percy, Chair)

13:15 – 13:30 *Assessment of forest fires impact and emissions in the European Union based on the European Forest Fire Information System* (Paulo Barbosa, Ilaria Palumbo, Jan Kucera, Andrea Camia, Jesus San-Miguel, and Guido Schmuck; Italy)

13:30 – 13:45 *Forest fires and air quality issues in southern Europe* (Ana Isabel Miranda, Enrico Marchi, Millan Millan, and Marco Ferretti; Portugal, Italy, and Spain)

13:45 – 14:00 *Spatial and temporal trends in distribution of forest fires in central and eastern Europe* (Barbara Ubysz, Ryszard Szczygiel, and Tomasz Zawila-Niedzwiecki; Poland and Germany)

14:00 – 14:15 *The 2002 mega-fire event in central Russia: meteorology, optical properties of the atmosphere, air quality, and unexpected consequences* (Nataly Ye. Chubarova, Nickolay G. Prilepsky, Alexei N. Rublev, and Allen R. Riebau; Russia and USA)

14:15 – 14:30 *Remote sensing applications of wildfire and air quality effects in China* (John J. Qu, Allen Riebau, and Yongqiang Liu; USA)

14:30 – 14:45 *Smoke from wildfires and prescribed burning in Australia: health and environmental issues* (Tina Bell and Mark Adams; Australia)

14:45 – 15:00 *Discussion*

15:00 – 15:30 Break

Session IV “Ecological and Land Management Issues” (Martin Lorenz, Chair)

15:30 – 15:45 *Managing smoke from wildfires and prescribed burning in southern Australia*
(Alan Wain, Graham Mills, Lachlan McCaw, and Tim Brown; Australia and USA)

15:45 – 16:00 *Effects of warmer climate on stress complexes in forests of western North America*
(Don McKenzie, David Peterson, and Jeremy Littell; USA)

16:00 – 16:15 *Ecological changes in forests caused by fires in California and Baja California*
(Richard A. Minnich; USA)

16:15 – 16:30 *Air pollution increases forest susceptibility to wildfires in southern California*
(Nancy E. Grulke, Richard A. Minnich, Timothy Paine, Alex Dunn, and Deborah Chavez; USA)

16:30 – 16:45 *Wildfire effects on forest carbon and nutrient budgets and water quality in Sierran forests*
(Dale W. Johnson, J.D. Murphy, W.W. Miller, and R.F. Walker; USA)

16:45 – 17:00 *Managing forests affected by air pollution, climate change and altered fire regimes near urban areas*
(Michael Arbaugh, Trent Procter, and Annie Esperanza; USA)

17:00 – 17:15 *Discussion*

17:15 Adjourn