

## Advanced Seminar

### Wildfires and Human Security

“Fire Management on Terrain Contaminated by Radioactivity, Unexploded Ordnance (UXO) and Land Mines”

Kyiv / Chornobyl, Ukraine, 6-8 October 2009

#### **Monday, 5 October 2009**

Arrival of participants in Kyiv. All participants will be met at the International airport Borispol by representatives of NUBiP of Ukraine (near “Taxi” windows – in front of arrival exit). Accommodation in Hotel “Myr” ([www.hotelmir.kiev.ua](http://www.hotelmir.kiev.ua)), Address: 70, 40-Letia Oktiabria prospect, Goloseevskaia square, Kyiv 03040, Ukraine.

#### **Tuesday, 6 October 2009**

11:00-11:45 Welcome and opening remarks

- **Academician Dmytro Melnychuk**, Rector, National University of Life and Environmental Sciences of Ukraine (NUBiP of Ukraine)
- **Mr. Andriy Selskiy**, Head, Administration of the Chornobyl exclusion zone, Ministry of Ukraine of Emergencies and Affairs of Population Protection from the Consequences of Chernobyl Catastrophe
- **Mr. Victor Chervonyi**, Deputy Head of State Forestry Committee of Ukraine
- **Prof. Dr. Dr.h.c. Johann G. Goldammer**, Global Fire Monitoring Center (GFMC), on behalf of the UNISDR Wildland Fire Advisory Group / Global Wildland Fire Network
- **Prof. Chadwick Oliver**, Director, Global Institute of Sustainable Forestry, Yale University School of Forestry and Environmental Studies
- **Prof. Dr. Victor Poyarkov**, Council of Europe, EUR-OPA Major Hazards Agreement
- **Mr. David Swalley**, OSCE, ENVSEC
- **Prof. Dr. Nikola Nikolov**, Coordinator, UNISDR Regional Southeast Europe / Caucasus Wildland Fire Network
- **Dr. Leonid Kondrashov**, Coordinator, UNISDR Regional Central Asia Wildland Fire Network

11:45-13:00 Presentation and discussion I: Forest Fires in Radioactively Contaminated Terrain

- Keynote paper I: Forest fires in radioactively contaminated terrain in the Ukraine (academician Dmytro Melnychuk, NUBiP of Ukraine, Prof. Dr. Valeriy Kashparov, Ukrainian Research Institute of Agriculture Radiology, NUBiP of Ukraine, Ukraine)

- Keynote paper II: International cooperative efforts to address the problem of fires burning in the radioactively contaminated forests in the Chernobyl Exclusion Zone (Prof. Dr. Chad Oliver, Yale University, U.S.A.)
- Organization, facilities, tactic and new technologies which are utilized on the south of France for a fight against natural fires and management of personnel safety (Mr. Jean-Michel Dumaz, Centre de Secours Principal d'Aix en Provence SDIS13, France)
- Problems of forest fire management on terrains with radioactive contamination out of the Chernobyl exclusion zone (Victor Parfeniuk, Head, Revision and Control department, State Forestry Committee of Ukraine).

13:00-14:00 Lunch break

14:00-15:45 Presentations and discussion II: UXO and land mines

- Wildfire Management and UXO in the Region of Southeast Europe / Caucasus (Prof. Dr. Nikola Nikolov, Faculty of Forestry, Skopje, Republic of Macedonia)
- Organization of mine action in Croatia (Mr. Oto Jungwirth, Croatian Mine Action Centre, Croatia)
- The use of prescribed fire on nature conservation areas in Germany contaminated by UXO (Prof. Dr. Johann G. Goldammer, GFMC, Germany)
- Demining technologies and fire-fighting interventions in forests (Vjekoslav Majetic, Croatia)
- Fire management in areas contaminated by land mines in Turkey (Prof. Dr. Ertugrul Bilgili, Faculty of Forestry, Karadeniz Teknik Üniversitesi, Trabzon, Turkey)
- Organization of destruction of explosively dangerous items on the territory of Ukraine. Structure of pyrotechnical units of Ministry of Emergency of Ukraine (Dmytro Chukavin, Department of rescue operation management, Ministry of Emergency of Ukraine)

15:45-16:15 Coffee break

16:15-17:30 Presentations and discussion III: Recent armed conflicts and fire

- Demining and forests fire protection in the mountain districts of Georgia (Mr. Giorgi Bagaturia, Ministry of Environment Protection and Natural Resources of Georgia, Forestry Department; Mr. Ilia Edilashvili, Emergency Management Department, Ministry of Internal Affairs of Georgia)
- UXO and land mines on the territory of Armenia (Mr. Nver Gevorgyan, Ministry of Defense of Armenia)
- Overview on fire management in Armenia (Mr. Arthur Voshkanyan, Ministry of Emergency Situations of Armenia)

18:00 Reception at Hotel "Myr" with cultural presentation

### **Wednesday, 7 October 2009**

07:00-14:00 Field visit of Chernobyl Exclusion Zone (coffee break in Ivankiv City)

14:00-15:00 Lunch break. Cafeteria of Chernobyl Nuclear Power Plant

15:00-16:00 Presentations and discussion IV: Radioactive Contamination and Forest Fires  
(Chornobyl Nuclear Power Station's conference room)

- Introduction (Mykola Proskura, Deputy Head, department – administration of the Chornobyl exclusion zone)
- Wildfires and the global-scale Cesium-137 background activity (Dr. Gerhard Wotawa, Central Institute for Meteorology and Geodynamics, Austrian National Data Centre for CTBT Verification, Austria)
- Wildfire in the Chornobyl Exclusion Zone: A worst case scenario (Dr. Aaron Hohl, Humboldt University; Dr. Andrew Niccolai, Yale University, U.S.A)
- Radioecological follow-on of the fire consequences in the radionuclide-contaminated forest sites (Dr. Andrey Razdayvodin, Dr. Eugeni Zhukov, Dr. Alexander Radin, All-Russian Research Institute of Silviculture and Mechanization of Forestry (VNIILM), Ministry of Agriculture, Russian Federation)

16:00-16:30 Coffee break

16:30-17:30 Presentations and discussion V:

- Aerial fire management on terrain contaminated by radioactivity (Mr. Andrey Eritsov, Aerial Forest Fire Center of Russia "Avialesookhrana", Russian Federation; Prof. Dr. Johann G. Goldammer, GFMC, Germany)
- Fire hazard of the forests in the Chornobyl exclusion zone (Prof. Dr. Sergiy Zibtsev, NUBiP of Ukraine; Mr. Anton Kruchok, Ministry of Emergency of Ukraine)
- Problems of forest and fire management in the exclusion zone (Anatoliy Prokopenro, Public Forest special enterprise "Chornobyl Puscha")
- Problems of forest fire fighting in the Chornobyl Exclusion Zone (Mr. Vladimir Kukos, Chernobyl, Ukraine)

Evening                      Return to Kiev, Dinner

### **Thursday, 8 October 2009**

09:00-12:00 Presentations and discussion VI: Vegetation fires, human health and human security

- Asymmetric Wildfire in the United States (Mr. Richard Lasko Richard, U.S. Forest Service, Washington U.S.A.)
- Smoke contamination as a result of natural fires: Research in Khabarovsk (Dr. Leonid Kondrashov, Pacific Forest Forum (PFF), Khabarovsk, Russian Federation)
- Vegetation fire smoke and human health impacts (Prof. Dr. Milt Statheropoulos, Dr. Sofia Karma, National Technical University of Athens / European Center for Forest Fires, Greece; Prof. Dr. Johann G. Goldammer, GFMC, Germany)

Final discussions

Conclusions / drafting of a statement

Afternoon:      Departure of participants