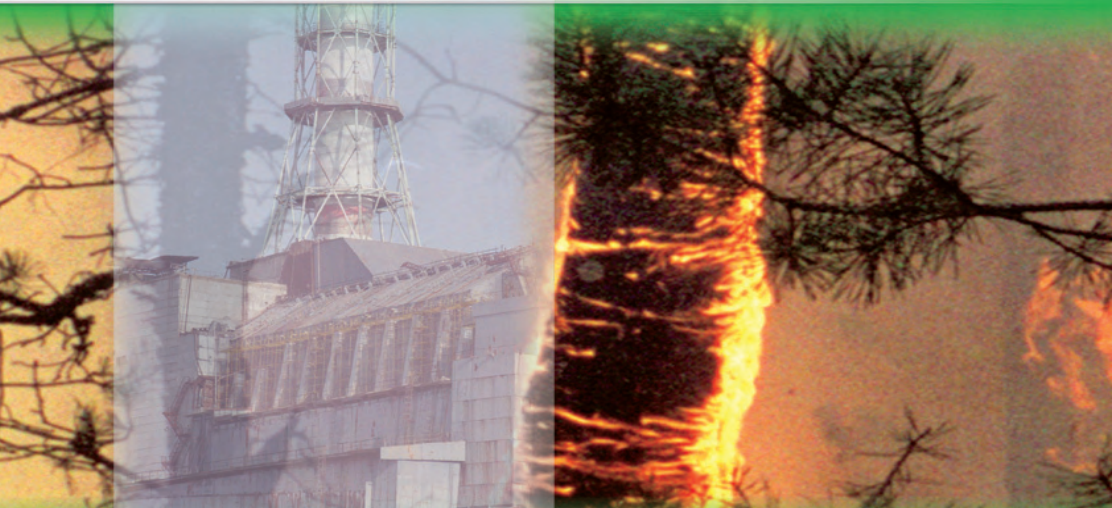


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YALE UNIVERSITY GLOBAL INSTITUTE OF SUSTAINABLE FORESTRY •
- GLOBAL FIRE MONITORING CENTER (GFMC), UNITED NATIONS INTERNATIONAL STRATEGY FOR DISASTER REDUCTION (UNISDR) •
- MINISTRY OF UKRAINE OF EMERGENCIES AND AFFAIRS OF POPULATIONS FROM THE CONSEQUENCES OF CHORNOBYL CATASTROPHE •
 - NATIONAL AGRICULTURAL UNIVERSITY OF UKRAINE •
 - MINISTRY OF UKRAINE ON ENVIRONMENTAL PROTECTION •
 - STATE FORESTRY COMMITTEE OF UKRAINE •



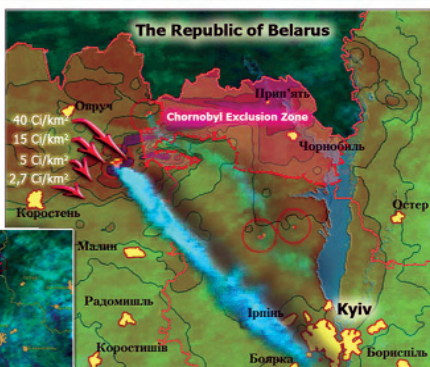
PROGRAM



International Strategy for Disaster Reduction

*OF THE INTERNATIONAL MEETING ON
"REDUCING RISK OF DISASTER FROM
CATASTROPHIC WILDFIRES IN THE
CHERNOBYL IRRADIATED FORESTS"*

Kiev, Ukraine, 26-27 July 2007



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PROGRAM
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1. Background Information

A lot of attention and investment is being given to ensure the sarcophagus of the nuclear reactor at Chernobyl is safe. However, overlooked are the forests contaminated by radionuclides around the sarcophagus that are at high risk to be affected by wildfires. (See attached article from the "Environment Yale" magazine, May 2007, and the draft pre-proposal entitled "Reducing the Risk to Kiev and other Areas of Forest Fires with Radioactive Smoke from forests impacted by the 1986 Chernobyl nuclear disaster".) When inhaled, the radioactive smoke will affect human health mainly through the radioactive smoke and dust inhalation.

The wildfire danger could create a risk if smoke from a large fire drifted over Kiev or elsewhere if the wind blew in a different direction. Even the possibility of such an occurrence could affect the habitability of Kiev. Kiev and surrounding cities could become known world wide as high-risk cities for living and investing.

Alternatively, Kiev and the other potentially impacted cities could become the "model" of how to minimize consequences through proactive mitigation. Recent tsunamis, earthquakes, and floods have heightened current awareness of a need for proactive mitigation.

To achieve the second alternative, a mitigation plan needs to be developed and implemented that will both avoid catastrophic fires in the radioactive forests and stop the spread of smaller fires that do occur. This plan, its implementation, and monitoring also need to be continuously updated and funded. The annual cost will be calculated in the near future, but in any case, this cost is less than the investment loss if Kiev gains a reputation as a risky city for living or investments or if Ukraine farm products become of questionable safety. It will be much less than the cost to human health of a catastrophic fire.

A series of meetings is needed to organize and convince stakeholders and donors – for example, the government of Ukraine, the government of Kiev, the businesses of Kiev, or international groups – to pay for a proactive forest fire planning, mitigation, protection, and monitoring strategy to keep catastrophic fires and their radioactive smoke from occurring.

2. Aim of the first meeting

The specific purpose of the meeting of 26-27 July 2007 is to convene an international group that can advise and help implement an action plan for mitigating the radioactive wildfire risk. Some analyses have already been done as will be described at the meeting and in preliminary papers to be sent to you beforehand. However, this group is needed to advise and volunteer on specific organizational structures, identify and help contacts for funding, and other facets.

The aim of the first meeting is to develop an interim organization, to identify appropriate funding institutions to be approached, to identify appropriate information material to be used in approaching those institutions and to develop a strategy for approaching the funding institutions.

3. The Specific Activities at the Initial Meeting

1. Review the issues and current analyses. In addition to background documents, the following are being prepared for the meeting.
 - A. An example of the forest management planning technique and computer tools for developing a mitigation strategy, including costs of developing the plan. Preliminary analyses of the costs of implementation, in two parts: (I) Proactive fuel and silvicultural treatment (thinning) to reduce the wildfire hazard, procurement of equipment and labour costs, and (II) Fire prevention, preparedness, early detection and early warning, and fire suppression budget.
 - B. Preliminary outline of a monitoring system and budget for ensuring the fire hazard is mitigated.
 - C. Preliminary suggestions of an overall organizational strategy to ensure the project is effective, efficient, and transparent.
 - D. Preliminary suggestions for an outreach plan to inform the global public of the proactive mitigation plan.
2. Identify a preliminary organizational structure and personnel to ensure the project is successful, and then ongoing.

3. Identify potential permanent stakeholders & funding sources for the continuous mitigation measures.
4. Identify specific tasks and consequence for fundraising, develop an organizational structure, and implement the tasks and follow-up.
5. Identify a means to develop more detailed organization and plans for the planning, mitigation, fire fighting preparedness, and monitoring.
6. Establish specific future steps and a timeline each step.

4. Auspices

The meeting will be held under the auspices of the Yale University, School of Forestry and Environmental Studies, Global Institute of Sustainable Forestry, the Global Fire Monitoring Center (GFMC) / UN International Strategy for Disaster Reduction (UNISDR), National Agricultural University of Ukraine (NAUU) and Ministry of Ukraine of Emergencies and Affairs of Populations from the Consequences of Chornobyl Catastrophe.

5. Venue and Date

The meeting will be held in Kiev, Ukraine, 26-27 July 2007 at the National Agricultural University of Ukraine - 15 Geroiv Oborony street, education building 3, auditorium 68 (left stairs, 3-d floor) (www.nauu.kiev.ua). Timetable is provided in Annex A.

6. Accommodation

Participants will stay in the University Hotel (03041, Kyiv, General Rodimtsev street 1a, phone: 527 87 30). On specific requests by guests other hotels in Kyiv could be reserved also.

7. Logistics

Participants will be transferred from/to the International Airport Borispol, Kyiv

In case of any questions please contact manager of the meeting in Ukraine Dr. Sergiy Zibtsev, Associate Professor, National Agriculture University of Ukraine, Email: sergiy.zibtsev@nauu.kiev.ua cell +38 067 261 16 82 or +38 044 527 8528 or +38 044 527 8800 and Chad Oliver, Professor and Director of the Global Institute of Sustainable Forestry, Yale University, Email: chad.oliver@yale.edu .

ANNEX A: Program of the meeting

Day 1: Wednesday 25 July

Arrival of participants

Excursion in Kiev (on request)

19:00 – Welcome dinner

Day 2: Thursday 26 July

06:50-07:50 Breakfast

07:50-08:00 Transfer of foreign participants to the venue of the meeting (15 Geroiv Oborony Street, Educational building N3)

08:00-08:30 Registration (lobby of the Educational building N 3))

08:30-09:00 OPENING OF THE MEETING. WELCOME FROM THE PRESIDIUM OF THE MEETING

Presidium of the meeting: Vice-Prime Minister of Ukraine

Nestor Shufrich - Minister of Ukraine of emergencies and affairs of populations from the consequences of Chornobyl catastrophe

Vasyl Dgarty - Minister of Environment protection of Ukraine

Anatoly Golubchenko First Deputy of the Head of Kyiv City State Administration

Dmytro Melnychuk - Rector of National agricultural university of Ukraine

Chadwick Dearing Oliver –Yale University School of forestry and Environmental Studies and Director of the Yale University Global Institute of Sustainable Forestry

Johann Goldammer – director of the Global Fire Monitoring Centre

George Chopivsky – Chair of the Family Chopivsky Foundation, sponsor of the conference

09:00-11:00 INTRODUCTION AND PRESENTATION OF THE ISSUE

CHAIR – RECTOR NAUU ACADEMICIAN DMYTRO MELNYCHUK, PROF. PETRO LAKYDA

- 09:00-09:15 **Volodymyr Kholosha, Mykola Proskura, Anton Kruchok, Vladimir Volkov**
- Ministry of Ukraine of emergencies and affairs of populations from the consequences of Chornobyl catastrophe
Assessment of risks in the Chornobyl exclusion zone and system of liquidation of emergency situations
- 09:15-09:30 **Mykola Kaletnyk** - Special Forest Management Enterprise “Chornobyl Forest”
Peculiarities of forest management and forest protection under the condition of radioactive contamination
- 09:30-09:45 **Vasyl Yoschenko, Dr. Valeriy Kashparov** - Ukrainian Research Institute for Agricultural Radiology (UIAR), NAUU
Results of the field experiment and modelling of resuspension and redistribution of radionuclides during grassland and forest fires in the Chernobyl exclusion zone
- 09:45-10:00 **Oleg Bondarenko, Sergiy Kireev** - State Specialized Scientific Enterprise “Chornobyl Radioecological Centre” (“Ecocenter”)
Results of monitoring of concentration of radionuclides in the atmosphere in the exclusion zone and surround territories
- 10:00-10:15 **Victor Sivets** – Head, State Committee of Forestry and Game management of Ukraine
Protection of forest from fires on lands of Ukraine, contaminated with radionuclides: state and prospects
- 10:15-10:30 **Sergiy Zibtsev**- Institute of Forestry and Landscape Architecture, NAUU
Richard Lasko, Tony Brunello, Melissa Othman, Dianne Hutton, Wei Min Hao - USDA Forest Service
Mitigating the Effects of Wildland Fire in the Chernobyl Exclusion Zone
- 10:30-10:45 **Johann G. Goldammer (GFMC)**
Transboundary transport of vegetation fire emissions: Impacts on human health and security and challenges for international cooperation and mitigation measures
- 10:45-11:00 **GENERAL DISCUSSION AND QUESTIONS**
Anatoly Konstantinovich Golubchenko First Deputy of Kyiv City State Administration
Representative of the Ministry of Environment protection of Ukraine

11:00 -11:15 COFFEE BREAK

11:15- 12:00 REGIONAL AND INTERNATIONAL ASPECTS OF WILDFIRES ON CONTAMINATED TERRITORIES

CHAIR – EDUARD DAVYDENKO, FOREST AVIATION SERVICE, RUSSIA

- 11:15-11:30 **Dr Yuri Bondar** - Poleskiy Radiation-Ecological Reserve
Dr. Vladimir V. Usenya - National Institute for Forestry of Belarus
Forest fires on the territory of zones of radioactive contamination of Byelorussia and specific of its protection from fires
- 11:30-11:45 **Dr. Sergiy Dusha-Gudym** - All-Russia Institute of Forest Management
Eduard Davydenko – Aviation forest protection “Avialesokhrana”, Russia
Experience of wildfire control in the contaminated zones in Russia
- 11:45-12:00 **Dr. Olexandr Kolodiagniy** -Ukrainian Land and Resource management Centre
Monitoring of wildfires in the Chornobyl Exclusion zone using satellite images

12:00-12:50 SCENARIOS AND ASSESSMENTS

CHAIR - PROF. DR. JOHANN G. GOLDAMMER, GFMC

- 12:00-12:30 **Prof. Dr. Chadwick Dearing Oliver** Yale University.
Planning example. Implementation scenarios: a) Pro-active; b) Fire fighting. Monitoring. Overall organization needs. PR Campaign.
- 12:30-12:40 **Prof. Dr. Johann G. Goldammer (GFMC)** *Concept of automated systems for rapid fire detection on contaminated territories – A short introduction*
- 12:40-12:50 General discussion and questions

13:00-14:00 LUNCH BREAK

14:30-18:00 GENERAL DISCUSSION OF ISSUES AND NEEDED ACTIONS, CONCLUSIONS AND RECOMMENDATIONS

CHAIR AND MODERATOR - PROF. DR. CHADWICK DEARING OLIVER, YALE UNIVERSITY

- 14:30-15:00 General discussion of organization approaches, funding opportunities, and time lines
- 15:00-16:00 Outline of specific organization, tasks, & time lines

16:00-16:30 Break

- 16:30-17:00 Establishing an organization and assigning of tasks and time lines
- 17:00-18:00 Elaboration and approval of the conclusion and recommendations of the meeting

19:00 Reception of Rector Dmytro Melnychuk (bus departure time - at 18:30, from educational building # 3 – venue of the conference)

Day 3: Friday 27 July

06:00-07:00 BREAKFAST

- 07:00 Departure to the Chornobyl Exclusion Zone field trip
- 09:15-13:00 Field trip in the Chornobyl Exclusion Zone

13:00-14:00 LUNCH

14:30-16:30 PRESENTATIONS OF INTERNATIONAL ORGANIZATIONS

Conference Hall of the Administration of the exclusion zone, Chornobyl city
CHAIR – HEAD OF THE ADMINISTRATION OF THE EXCLUSION ZONE AND ZONE OF UNCONDITIONAL (OBLIGATORY) RESETTLEMENT SERGIY VOOS

Prof. Dr. Johann G. Goldammer GFMC and UNISDR Wildland Fire Advisory Group / Global Wildland Fire Network (Freiburg, Germany)
Experiences and opportunities for Ukraine, Belarus and Russia to participate in the Global Wildland Fire Network, UN International Strategy for Disaster reduction (UNISDR)

Eladio Fernández-Galiano CoE / EUR-OPA
The European Open Partial Agreement on the Prevention, Protection Against and Organization of Relief in Major Natural and Technological Disasters (EUR-OPA Major Hazards Agreement)

Tamas Marghescu The World Conservation Union (IUCN) Regional Branch
for Europe

Viktor Novikov ENVSEC, UNEP Regional Office for Europe / GRID-Arendal
office in Geneva
World Bank

16:30-17:00

COFFEE BREAK

17:00

Finalization of the meeting (Sergiy Voos, Prof. Dr. Chadwick Dearing Oliver, Prof. Dr.
Johann G. Goldammer)

17:30

DEPARTURE TO KIEV

Day 4: Saturday 28 July

Excursion in Kiev (on request)

Departure of participants

ANNEX B: List of Participants

Council of Europe / Conseil de l'Europe

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Chornobyl city

Mykola Kaletnik
Director, Special Forest Management Enterprise "Chornobyl Forest"
Chornobyl city

Dr. Valery Kashparov
Director, Ukrainian Research Institute
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Kyiv

Dr. Sergiy Kireev
Head of monitoring department, State Specialized
Scientific Enterprise "Chornobyl Radioecological
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Chornobyl city

Volodymyr Kholosha
First Deputy of Minister of Ukraine
of emergencies and affairs of populations
from the consequences of Chornobyl catastrophe
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Director,
Ukrainian Land and Resource management Centre
Kyiv

Victor Parfeniuk
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