

NATO Advanced Research Workshop
Reference number EST.EAP.ARW 980993

**MANAGEMENT OF INTENTIONAL AND ACCIDENTAL
WATER POLLUTION**
2005, 8 - 11 May, Sofia, Bulgaria

FINAL SCIENTIFIC PROGRAMME

SUNDAY, MAY 8, 2005

a.m. Registration
p.m. Visit of drinking water source
Wellcome party

MONDAY, MAY 9, 2005

a.m.
9.00 Wellcome addresses
9.15 Inroduction of participants. Appointing of chairmans.
10.00 **Veska Kambourova.** Potential water quality problems posed by intentional/accidental interventions
10.20 **Gyula Dura.** Ground water pollution from former industrial accidents
10.40 *Coffee break*
11.10 **Herman Dieter.** Acute and chronic toxicity of chemical warfare agents and warfare toxins in drinking water
11.30 **Ferenc Laszlo.** Lessons learned from the cyanide and heavy metal accidental water pollution on the Tisza river bassin in the year 2000
11.50 **Martin Mulisch.** Environment contaminants on former military sites and hazards to the drinking water supply in Germany
12.10 **Anahit Alexandryan.** Contamination of water Basins of Armenia by persistent organic pollutants .
12.30 *Lunch*
p.m.
13.30 **Domenica Auteri and Manuela Mangiarotti.** Pesticide Risk Assessment to protect aquatic systems
13.50 **Joan Rose.** Identification and characterization of biological risks for water
14.20 **Zdenek Filip and Katerina Demnerova.** Effects of organic pollutants on ground water microorganisms.
14.40 *Coffee break*
15.00 **Hamid Taleb. Rachid Amanhir and Reqia Sagou** Marin biotoxin structure, mode of action and their effects for human safety
15.30 **Country reports**

- 15.30 **Tomislav Rizov, Veska Kambourova, Jordan Simeonov, and Ivan I. Benchev (Bulgaria).** Are PCBs water problem for Bulgaria
- 15.40 **Vladimir Bencko (Czech Republic).** Does surface water treatment need special measures in Czech Republic
- 15.50 **Nikolae Opopol (Moldova).** Water management in Moldova. Principal threats
- 16.00 **Liviu-Daniel Galatchi (Romania).** Management of intentional and accidental water pollution in Romania.
- 16.10 **Anna Potapenko (Russian Federation).** Risk for pregnant women due to biological and chemical pollution of drinking water. Poster presentation
- 16.20-17.00 Discussion. Drafting of conclusions.

TUESDAY, MAY 10, 2005

a.m.

- 9.00 Appointment of chairmans.
- 9.10 **Alfred Bernard and Claire de Burbure.** Terrorism and water management: issues to predict and manage water chemical risk
- 9.20 **Galina Gopina.** Water Frame Directive - an effective approach for pollution prevention of water sources in case of emergencies at river basin level
- 9.40 **Carlo Riparbelli, Marianunzia Cambareri, Marco Pastori and Stefano Brenna.** Water Quality management in agriculture: the case of Lombardy – North Italy
- 10.00 **Olga Sivochalova and Sofia Plitman.** Principles of water chemical safety for reproductive health protection
- 10.20 *Coffee break*
- 10.50 **Gyula Dura and Matyas Borsanyi.** Hygienic aspects of monitoring of water used in food production plants in Hungary
- 11.10 **Giovanna Azimonti and Giuseppe Triacchini** Pesticides and water. The role of modeling as a tool to manage contamination
- 11.30 **Bogdana Koumanova and Zvezdelina Yaneva** Low cost absorbents for the removal of nitrophenols from waste waters.
- 11,50 Discussion on water management issues
- Lunch*

12.30

p.m.

- 13.30 **Magdy Hefny.** Actualizing Water Ethics in the regional context of the arab world
- 13.50 **Peter Smalko.** Ethical considerations of water pollution and preservation
- 14.10 **Ioan Bocsan.** Training and education at different levels in order to ensure adequate public awareness and preparedness to respond to emergency situations associated with extreme water pollution
- 14.30 Discussion on the social aspects of water pollution
- 14.50 *Coffee break*

Discussion on Proceedings book preparation.

Round table discussion on biological water pollution.

Key speakers and moderators

- 15.20 For Europe: Possible biological pollutants
15.40 For Western Mediterranean countries: **Hamid Taleb Reqia Sagou and Rachid Amanhir** Specific biological threats for the region
16.00 For USA and Canada: **Joan Rose**. Experience in combating biological threats
16.20 International Organisations **Dinko Kello**:. The role of international organisations in preventing biological treats
16.40 – 17.00 Discussion. Drafting of conclusions

Excursion to Vitosha. Diner Boyansko Hanche

WEDNESDAY, MAY 11, 2005

a.m. Work in topic groups

- 8.00 Division in two working groups.
Appointment of moderators and rapporteurs
8.15 ✓ Working group on: Chemical pollutants – research, prevention and management
Moderators: Alfred Bernard, Laszlo Ferenc
Rapporteur: Giovanna Azimonti

- ✓ Working group on: Biological pollutants – research, prevention and management
Moderators: Hamid Taleb, Martin Exner
Rapporteur: Ioan Bocsan

- 9,45 *Coffee break*
10.15 Work in two groups, drafting of
Conclusions- Moderators: **Joan Rose and Veska Kambourova**
Recommendations-Moderators **Bogdana Koumanova and Gyula Dura**
11.30

p.m. Plenary session

- 12.30 Reports of the working groups
13,30 Discussion. Approval of the conclusions and recommendations
14,00 Closing
Light lunch

File Lubo C programme 1 st of March 2005