

*NATO Advanced Research Workshop
Environmental Security Threats in Urban Settings*

**June 8-9, 2006
Athens, Greece**

**Meeting place
Titania Hotel
52, Panepistimiou Str.
Athens, Greece
Tel: +30 210 332 6000**

Agenda

1st Day, Thursday, June 8th, 2006

Opening

- 8:45 Registration
- 9:00 Host - welcome/remarks
- 9:15 Welcome – Organizing Committee members
- 9:25 Introduction of workshop participants
- 9:35 Presentation of the workshop objectives

Plenary session

- 09:45 **Dr. Nanne Hoekstra** *TNO, Netherlands*
Technological advances for the decontamination of soils polluted by SMEs in urban areas in Netherlands
- 10:10 **Prof. Volodymyr Gandzyura** *Kyiv National Taras Shevchenko University, Ukraine*
The role of small and medium enterprises in water pollution in the cities (towns) of Ukraine. Advanced approaches to the quantitative assessment of the quality of environment
- 10:35 **Dr. Anthimos Xenidis** *National Technical University of Athens, Greece*
Remediation of contaminated soil by stabilization techniques

11:00 Coffee Break

Technical Session

- 11:30 **Dr. Leen Bastiaens** *Flemish Institute for Technological Research (VITO), Belgium*
A common approach for the sustainable remediation of dry clean sites in urban settings: the Antwerp case

11:50 **Dr. Martin Wegner** *Mull und Partner Ingenieurgesellschaft mbH, Germany*
Successful application of a Permeable Reactive Barrier (PRB) for the treatment of a CHC groundwater contamination in Rheine/Germany

12:10 **Dr. Bahruz Suleymanov** *Institute of Radiation Problems, National Academy of Sciences, Azerbaijan*
Cost efficiency approach for cleaning of high level oily polluted sites around urban areas in Azerbaijan

12:30 **Dr. Victor Rezepov** *Centre for International Projects, Russia*
Cleaning of urban territories polluted by PCB (Case Study one of the towns of Moscow Region)

12:50 Lunch Break

14:10 **Mr. William Linn** *Dept. of Environmental Protection, State of Florida, USA*
Soil & Groundwater Remediation at Dixie Cleaners – Jacksonville, Florida

14:30 **Prof. Robert Siegrist** *Colorado School of Mines, USA*
Use of Oxidation Processes for Cleaning of Contaminated Groundwater

14:50 **Prof. Gagik Torosyan** *Head of Organic Compounds synthesis technology and Environmental Engineering Department, State Engineering University of Armenia, Armenia*
Treatment of organic pollutants in motor transportation and auto repair enterprises

15:10 **Prof. Marios Tsezos** *National Technical University of Athens, Greece*
Treatment of metal bearing water by bioprecipitation processes

15:30 Coffee Break

16:00 **Mrs. Anna Rita Gentile** *European Environment Agency*
The activities of the European Environment Agency on contaminated land: information to support environmental policy in Europe

16:20 **Dr. Ralph Baker** *TerraTherm, Inc. USA*
Application of thermal remediation techniques for in-situ treatment of contaminated soil and water

16:40 **Prof. Guy Sewell** *East Central University, Ada, Oklahoma USA*
Biological Mechanisms and Activation to Remediate Chlorinated Solvents

17:00 Adjourn

19:00 Advanced Research Workshop Dinner

2nd Day, Friday, June 9th, 2006

Technical Session

8:30 Registration

- 09:00 **Dr. Nymfodora Papassiopi** *National Technical University of Athens, Greece*
Evaluation of iron reducing bacterial for the remediation of As contaminated soils
- 09:20 **Dr. Petro Nakhaba** *All-Ukrainian Public Organization "Chysta Khvylya", Ukraine*
Decommissioning, remediation and restoration of the Kyiv Plant "Radical" (soil and groundwater contaminated with mercury)
- 9:40 **Dr. Maria Teodorescu** *National Research and Development Institute for Industrial Ecology, Romania*
Approach for improving the environmental performances in SMEs
- 10:00 **Prof. Aitkhazha Bigaliev** *Kazakh National University, Kazakhstan*
The evaluation of genetic effects of SMEs produced pollution on environment and public health in Kazakhstan

10:30 Coffee Break

- 11:00 **Prof. Inom Normatov** *Director of the Institute of Water problems, Hydropower and Ecology Academy of Sciences, Tajikistan*
Measures, taken for preparing underground water sources to be used in case of emergency
- 11:20 **Prof. Kostas Komnitsas** *Technical University of Crete, Greece*
Efficiency of PRBs for the treatment of groundwater contaminated by heavy metals
- 11:50 **Prof Stoyan Groudev** *Univ. of Mining and Geology, Department of Industrial Ecology, Sofia, Bulgaria*
In situ bioremediation of soil polluted with crude oil and heavy metals
- 12:10 **Mrs. Sarah Jamar** *Tauw nv, Belgium*
Derelict industrial sites in Flemish cities: evaluation of redevelopment opportunities based on risk evaluation and remediation cost estimation

12:30 Lunch Break

- 14:00 **Mr. David Edwards** *CL:AIRE, United Kingdom*
RESCUE: key results from this brownfield best practice project
- 14:20 **Dr. Walter Kovalick** *US EPA, USA*
Overview of Innovative Site Characterization and Remediation Technologies and Electronic Information Resources

Round Table and Conclusions Session

14:40 Round table discussion on the technical advances on preventing and cleaning technologies for sites polluted by SMEs in urban areas

15:30 Coffee Break

16:00 Round table discussion to identify research needs and directions for future work on preventing and cleaning pollution by SMEs in urban settings

16:30 Workshop conclusions

17:00 Closing of Workshop and Adjourn