







# **Mining for Closure:**

Innovations for contaminated mine waters assessment, management and remediation

# Technical workshop on innovative techniques and technologies for contaminated mine waters assessment, management and remediation

March 26 – 29, 2007 Brestovacka Spa, Bor, Serbia

# **Draft Agenda**

#### DAY 0, Sunday, March 25

12:00 - 17:00 Arrival to Belgrade's Hotel "Metropol"

17:30 Organised departure to the residence of the Canadian Ambassador (by bus, in front of the hotel "Metropol")

18:00 – 20:00 Buffet dinner hosted by H.E. Robert McDougall, the Canadian Ambassador to Serbia (Residence of the Canadian Ambassador, Uzicka 33, Belgrade)

#### DAY 1, Monday, March 26

08:00 - 12:00 Travel from Belgrade to Bor - Brestovacka Spa

12:30 – 13:30 Welcome Buffet Lunch and registration for the workshop

#### 14:00 - 14:15 Welcome and opening

- Mr. Micun Stanic, Advisor, Directorate for Environmental Protection, Ministry of Science and Environment protection of the Republic of Serbia
- Ms. Sandra Wibmer Advisor, Environment and Natural Resources, Austrian Development Agency (ADA), Vienna, Austria

#### 14:15 – 16:00 Introduction to Contaminated Mine Water and Treatment in SEE

Key Issues on Mining and Environment in SEE
 Dr. Philip Peck - Extractive Industries Specialist, UNEP GRID Arendal; Associate
 Professor, International Institute for Industrial Environmental Economics (IIIEE) at
 Lund University. Sweden









- Mine Water and Innovative Treatment (1)
  Gilles Tremblay Program Manager, Natural Resources Canada (NRCan), Canada
  Dr. Nand Dave Senior Scientist, Natural Resources Canada (NRCan), Canada
- Mine Water and Innovative Treatment (2)
  Dr. Adam Jarvis Environment Agency Research Fellow, Hydrogeochemical Engineering Research & Outreach (HERO), Institute for Research on Environment & Sustainability at University of Newcastle upon Tyne, UK

#### 16:30 – 17:30 Mines and Environmental Problems

General Mine & environment challenges: Regional Examples
 Serbia, Bor - Dr. Dejan Milenic (University of Belgrade, Faculty for Mining and Dept. of Hydrology and Geology)
 Macedonia, Buchim – Dr. Dejan Mirakovski (Faculty of Mining and Geology, University "St Cyril and Methodius", Macedonia)
 Kosovo, Trepca – Denika Blacklock (UNDP Kosovo)
 Bosnia and Herzegovina –Zvjezdan Karadzin (Mining Institute Tuzla)
 Albania – Prof. Jani Bakallbashi (Director of Mining Department ITNPM)

## DAY 2, Tuesday, March 27

#### 08:30 – 10:00 Delineation and management of Mining Sites

- Risk Assessment and Investigation of Contaminated Land- Chris McCormick (Freelance Environmental Geochemist Consultant)
- Involvement of Local Communities in Mine Water Pollution Control Young Researchers Bor

# 10:30 – 12:00 International policy works and legal frameworks on Mining

- Policy works and partnerships from Canada/North America Gilles Tremblay (NRCan)
- Policy works and partnerships from Europe; introduction to Mine Water Legislation in Europe – Dr. Adam Jarvis (HERO)
- Mine water management cases from North America Gilles Tremblay/Dr. Nand Dave (NRCan)
- Introduction to sites to be visited in Bor -









#### 14:00 - 17:30 Site visits to Bor

#### DAY 3, Wednesday, March 28

#### 08:30 - 10:30 Innovative Mine Water management and Remediation

- Mine water management cases from the UK- Dr. Adam Jarvis (HERO)
- Mine water management cases from Western Europe and application of Passive Mine Water Treatment Systems – Dr. Gunther Pieplow (Head of Water Treatment Department, WISUTEC Environmental Technologies, Germany)
- Introduction of Workshop Exercise Philip Peck (UNEP/IIIEE)

#### 11:00 – 12:00 Regional Case Studies

- Presentation of Regional Case Studies and outline of Breakout exercise
  - Introduction of Buchim Dr. Dejan Mirakovski (Faculty of Mining and Geology, University "St Cyril and Methodius", Macedonia)
  - Introduction of "Site X at Bor" Dr. Dejan Milenic (University of Belgrade)

#### 13:30 - 15:30 Breakout Sessions

- Sketch solutions for Buchim
- Sketch solutions for "Site X at Bor"
- Sketch solutions for one polluted stream in Romania

Participants will be divided into three breakout sessions, each session will be lead by an international expert.

16:00 – 17:00 Presentation and Discussion of the Sketch Solutions 17:30 Summary of the workshop, conclusions and follow up

## DAY 4, Thursday, March 29

09:00 – 12:30 Site Visits to Majdanpek

14:00 Return to Belgrade