

ITC School of Underground Waste  
Storage and Disposal  
[www.itc-school.org](http://www.itc-school.org)

EAWAG Swiss Federal Institute for Environ-  
mental Science and Technology  
[www.eawag.ch](http://www.eawag.ch)

## First Announcement



# Workshop

on  
**Case Studies of Subsurface  
Radionuclide Migration**

5<sup>th</sup> – 7<sup>th</sup> May 2004

Parkhotel du Sauvage Meiringen  
Switzerland

co-convened by:

ITC

FNSNF

nagra



EAWAG

# Objectives

Understanding the physical and chemical controls on radionuclide mobility in rocks, soils and groundwaters is central to evaluating and remediating contaminated nuclear and other industrial sites. It is also important in developing and assessing the future performance of radioactive waste disposal facilities. This workshop focuses on what can be learned from real case studies of contaminated sites and is intended as a forum to bring together those working in this field to share their findings.

Key case studies will be recent work on Chernobyl in the Ukraine and sites in Russia, where the final results of work carried out in the SCOPEs 2000 joint Russian – Ukrainian – Swiss National Science Foundation research project will be reported.

This First Circular is to invite scientists working on other case studies or on national programmes evaluating or managing radioactively contaminated sites to attend and contribute to the workshop. The workshop will provide an opportunity to link Eastern and Western European research activities. An associated visit to the Nagra underground rock laboratory at Grimsel will provide an opportunity to see in situ experimental work on radionuclide movement in fractured rocks.

# Preliminary Programme

## Tuesday, 4<sup>th</sup> May, 2004

Arrival at Parkhotel du Sauvage, Meiringen  
Welcome Icebreaker and Dinner

## Wednesday, 5<sup>th</sup> May, 2004

9:00 – 9:30 h Welcome and Introduction  
*Prof. Neil Chapman, ITC*

9:30 – 9:45 h The NSF / SCOPEs project on "Theoretical Assessment and Experimental Validation of Models for Radionuclide Transport in Groundwater to Study Environmental Impacts of NPPs and Radioactive Waste Storage Facilities"  
*Dr. Eduard Hoehn, EAWAG*

9:45 – 10:45 h Radiohydrogeological Conditions in the Region of the Chernobyl NPP "Shelter" Site  
*Dr. Alexander Bohuslavsky, RAS, Kyiv*

Coffee Break

11:15 – 12:15 h Experimental and Modelling Study of Adsorption-Desorption Processes with Application to Radioactive Waste Disposal Sites  
*Dr. Vyacheslav Rumynin, RAS, St. Petersburg*

Lunch

14:30 – 15:30 h Studying Construction Possibilities of an Ukrainian Underground Repository for Radioactive Wastes in the Chernobyl Exclusion Zone  
*Prof. Viacheslav Shestopalov, UAS, Kyiv*

15:30 – 16:30 h Subsurface Radionuclide Contamination in Switzerland  
*Dr. Heinz Surbeck, Univ. Neuchâtel*

Coffee Break

17:00 – 18:00 h The Radionuclide Migration Programme at the Grimsel Test Site  
*N.N., Nagra*

Adjourn, Dinner at Workshop Hotel

## Thursday, 6<sup>th</sup> May, 2004

Other Case studies: Programme to be developed after First Circular. Possible contributions from PSI (Paul Scherrer Institute), GSF-Institute of Hydrology, Wismut GmbH and Nagra. Further contributions welcome.

Adjourn, Workshop Dinner

## Friday, 7<sup>th</sup> May, 2004

9:00 – 11:30 h Visit of Grimsel Test Site (including crystal cave)  
*Dr. Wolfgang Kickmaier, Nagra*

Picnic Lunch at the GTS  
Adjourn, Individual Returns

# Cost

Hotel Accommodation (two nights) in Single Room with Shower / Bath including Dinner (Tuesday and Wednesday), all Breakfasts and Lunches:

Accommodation:	410 CHF / person
Workshop Fee:	300 CHF / person
Workshop Dinner:	35 CHF / person
Field Trip – Picnic Lunch:	20 CHF / person
Additional overnight stay and breakfast:	85 CHF / person

**Note:** Accommodation expenditures to be paid directly at the Hotel reception on departure, Workshop & Field Trip fees have been paid by bank remittance in advance.

# Important Dates

1<sup>st</sup> Announcement: December, 2003  
2<sup>nd</sup> Announcement: January, 2004

Expression of Interest: as soon as possible by email: [petra.blaser@itc-school.org](mailto:petra.blaser@itc-school.org)

Registration: 10<sup>th</sup> February, 2004

# How to reach Meiringen

The hotel is in the centre of Meiringen, two minutes walk from the railway station. The rail journey takes approximately 2.5 hours from Zurich airport.

By road Meiringen is:

- 50 min. from Bern
- 45 min. from Luzern
- 90 min. from Zürich
- 90 min. from Basel

Parking free



The Meiringen / Hasliberg holiday region offers wonderful tourist attractions in a glorious unspoilt Alpine surrounding.

# Registration Form

to be submitted by 10<sup>th</sup> February, 2004

First name: \_\_\_\_\_

Last name: \_\_\_\_\_

Institution: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

Number of Persons for Field Excursion to the Grimsel Test Site: \_\_\_\_\_

Number of Persons for Workshop

Dinner (06<sup>th</sup> May, 2004): \_\_\_\_\_

Please mail this registration form to:  
ITC School of Underground Waste Storage and Disposal  
P.O. Box  
CH-3862 Innertkirchen  
Switzerland

Or email registration details to:  
[petra.blaser@itc-school.org](mailto:petra.blaser@itc-school.org)