

FUNMIG Course on The Fundamentals of Radionuclide Migration

Held : 7th – 10th November 2005

Gran Via Business Centre,

Gran Vía de les Corts Catalanes, 630

(next to Paseo de Gràcia)

08007 Barcelona – Spain

Full details : pdf file 611kb

Objectives

The training course is held within the framework of the EC FP6 Integrated Project FUNMIG (Fundamental Processes of Radionuclide Migration, www.funmig.com). It is organised by ENVIROS in collaboration with the ITC School.

The main objective of the course is to provide contextual training on the Fundamentals of Radionuclide Migration to the younger generations currently involved in the research areas of FUNMIG but which lack the overall picture of the nuclear waste management context. In addition the course can be used to provide the required training to new members of the radioactive waste management community.

Who should attend ?

Young professionals as well as scientists entering the research areas of FUNMIG. Implementers, regulators, scientists and students from outside the project are most welcome.

Monday, 7th November, 2005

10:30 - 11:00

Registration & Coffee

11:00 - 11:15

Welcome and Introduction

ENVIROS / ITC

11:15 - 12:45

What we need to know and what is important to endusers?

Andra

Lunch

14:00 - 15:30

Radiochemical properties and radiological behaviour of key radionuclides

INE

Coffee Break

15:30 - 17:00

Groundwater flow environments in different geological formations

Nagra

17:00 - 18:30

Controls on groundwater chemistry: processes, variability, evolution

Enviros

Tuesday, 8th November, 2005

08:30 - 10:00

Groundwater movement in fractured rocks

Enviros

Coffee Break

10:30 - 12:00

Controls on the behaviour of pore water in clays

SCK•CEN

12:00 - 13:30

Matrix diffusion

KTH

Lunch

15:00 - 16:30

Modelling the flow-field in fractured rocks

SKB

Coffee Break

17:00 - 18:30

Modelling flow in heterogeneous porous rock formations

UPC

Wednesday, 9th November, 2005

08:30 - 10:00

Radionuclide sorption and precipitation

Enviros

Coffee Break

10:30 - 12:00

The significance of biological processes

SKB

12:00 - 13:30

Generation and properties of colloids

INE

Lunch

15:00 - 16:30

Modelling transport in fractured rocks

Enviros

Coffee Break

17:00 - 18:30

Modelling transport in unfractured, porous rocks

SCK•CEN

Course Dinner

Thursday, 10th November, 2005

08:30 - 10:00

Learning from in-situ experiments

Enresa

Coffee Break

10:30 - 12:00

How radionuclide transport is handled in safety assessments

Nagra

12:00 - 13:30

Putting it all together: worked example of sensitivities using a typical PA code

Enviros

Lunch

15:00 - 16:30

Looking forward: fields where relevant advances can be expected

Enviros

Coffee, Individual Return