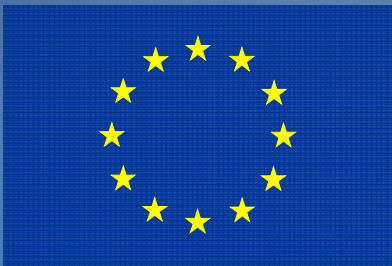


PAMINA

ANNOUNCEMENT

PAMINA

TRAINING COURSE



SEPTEMBER, 24. – 26. 2009

GARCHING, GERMANY

The Project PAMINA

The Integrated Project PAMINA (Performance Assessment Methodologies in Application to Guide the Development of the Safety Case) is a three-year project supported by the European Commission under the 6th Framework Programme.



PAMINA aims at improving and harmonising integrated performance assessment (PA) methodologies for various disposal concepts of long-lived radioactive waste and spent nuclear fuel in different geological environments. The results obtained will be of value to all national radioactive waste management programmes, regardless of waste type, repository design, and stage that has been reached in PA and safety case development.

PAMINA brings together 27 institutions from all major radioactive waste producing countries in the EU and Switzerland. From their different roles within their national programmes these members bring complementary viewpoints and experiences to the project making the project results of value to both national waste management organisations and regulators.

For additional information please contact:

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All project reports are available for download from the PAMINA website: www.ip-pamina.eu

The Training course

Scope of the course

The training course is held within the framework of the EC FP6 Integrated Project PAMINA. It is organised by GRS. The main objective of the training course is to familiarise the participants with performance assessment methodologies and the foundations of safety case development. The PAMINA Final Workshop will directly follow the course from September, 28. to 30. at a location nearby. Attendance of the course will help participants to understand the results presented at the PAMINA workshop.

Target Audience

Professionals and scientists entering the field of performance assessment and safety case development.

The Lecturers

The lectures will be given by individuals with long professional experience in their fields.

Fees

The Training Course is free of charge. Participants have to cover travel costs, their accommodation and meals. Rooms have been reserved in nearby hotels (price about 100/150 € per night).

Travel Grants

Participants from new EU Member States, Associated Eastern European countries or other countries with a less developed waste disposal programme can apply for a subsidy to the travel costs.

Pre-Registration deadline is the 15th of July. The number of participants in the training course is limited. Information on the acceptance to the training course will be given within a short time after this date.

Registration

To register, please send the following information by fax to + 49 – (0)5 31 – 80 12 211 or email to svenja.vorlop@grs.de.

Deadline for registration is the 15th of July.
Please indicate the departure date to book hotel rooms.

Family Name:

First Name:

Organisation:

Departure date: 26.9. 27.9.

Programme

Sept. 24

Basics on radioactive waste disposal in underground repositories

- Types of wastes / radionuclides
- Types of host rocks
- Types of barriers – the multi-barrier system
- Elements of a waste repository
- Evolution of the repository (granite/clay/salt)

Sept. 25

Basics on the safety case

- How to show safety?
- Elements of the safety case

- Role of the SC in the license procedure and the repository development
- Introduction to the 11 PAMINA review topics
- Scenario analysis and FEP approach
- Role of the safety assessment in the SC
- Additional arguments

Long-term safety assessment

- Methods in Safety Assessment
- Integration and abstraction (from the reality to the model)
- The role of time scales
- Role of process vs. Performance Assessment models
- Evaluation of parameters and safety measures
- Safety and performance indicators
- Stylisation in human intrusion and biosphere modelling
- Example of a Safety Assessment

Sept. 26

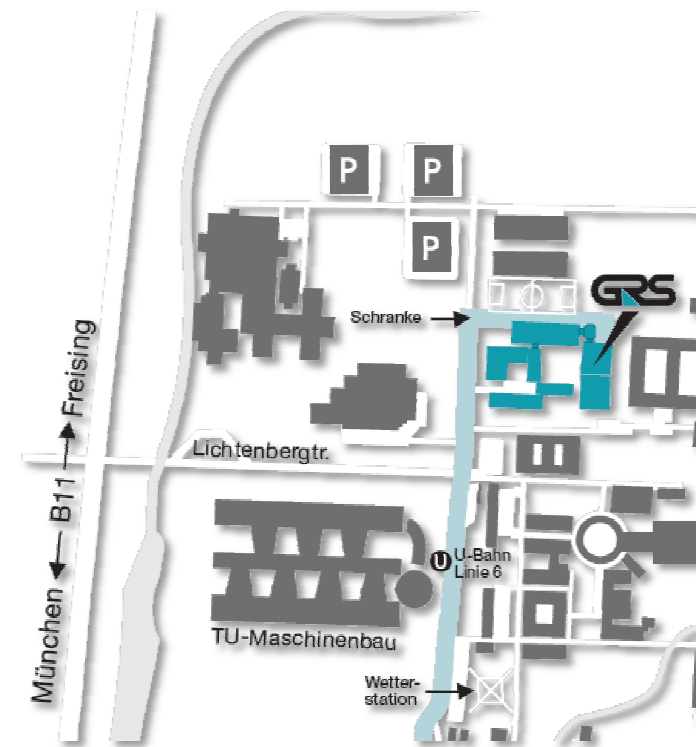
Uncertainties

- Types of uncertainty
- Measures to treat uncertainty (e.g. data uncertainty)
- Expert judgement
- Importance of uncertainty management in communication
- Numerical methods
- Probabilistic SA
- PDFs
- Sampling
- Types of methods
- and other related information

Location

Garching is located about 10 km north of Munich and 10 km south-west of the Munich airport.
From the airport take S-Bahn S1 and get off at station *Neufahrn*. From there take Bus 690 to *Garching-Forschungszentrum*. From Munich centre (*Marienplatz*) take U6 to *Garching-Forschungszentrum*

Access map to GRS offices:



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