

Provisional Workshop Agenda

Monday 19 June 2017

8:15-10:00 Coffee and registration

10:00-11:30 Workshop starts. Introduction to the Beacon project: background, objectives planned activities

11:30-12:30 Invited talks

14:00-16:00 Plenary presentations

16:30-17:30 Poster introductions

17:30-20:00 Extensive poster session

Tuesday 20 June 2017

09:00-12:00 Plenary presentations

13:00-14:30 Plenary presentations

14:30-15:30 Summary discussion

Important dates:

- **Short abstracts** (max. one page, for evaluation and planning only, will not be published) extended to **3rd May 2017**
 - Last day to book pre-booked hotels at special Beacon prices **4th May**
 - Presentation of full agenda (oral and posters) **15th May 2017**
 - Registration to Workshop until **30th May**
 - **Extended abstracts** (3-4 pages, template provided) should be sent to beacon@skb.se before **6th June 2017**
- Accepted extended abstracts will be published in a state-of-the-art report.

Abstract template available at the Beacon project website www.beacon-H2020.eu

Abstracts should be sent to beacon@skb.se

BEACON

Bentonite Mechanical Evolution

Invitation and call for abstracts to the Beacon Project International Scientific Workshop on:

Mechanical Properties of Bentonite Barriers

19 - 20 June 2017

Lithuanian Energy Institute
Kaunas, Lithuania

- » **Fundamental properties of bentonite**
- » **Laboratory and field studies of bentonite**
- » **Conceptual and numerical model development**
- » **Simulation of experiments and repository components**
- » **The mechanical evolution of bentonite in repository design and performance assessment**



This project is in Grant Agreement Preparation with the Euratom research and training programme 2014-2018 under GAP No 745 942

Programme Committee

Oliver Leupin, Nagra
Simon Norris, RWM
Antonio Gens, UPC
Klaus Wiczorek, GRS
Jean Talandier, ANDRA
Johan Swahn, MKG
Irena Hanusová, SÚRAO
Juan Carlos Mayor, ENRESA
Lasse Lavikainen, Posiva
Povilas Poskas, LEI
Darius Justinavicius, LEI
Patrik Sellin, SKB
Mary Westermark, SKB

Registration

Preliminary deadline for registration **30th May**.

[Register via this link](#)

Participants are very welcome to register before that date.

Contact

Mary Westermark
SKB, Box 250
S-101 24 Stockholm, Sweden
beacon@skb.se

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Bentonite Mechanical Evolution

Objectives of the initial workshop

The objective of the workshop is to present and discuss the current state-of-art regarding the mechanical evolution of bentonite barriers. The outcome of the workshop will serve as a foundation for the state-of-art report that will be produced as a part of the Beacon project.

Background and outcome

The overall objective of the Beacon project is to develop and test the tools necessary for the assessment of the hydro-mechanical evolution of an installed bentonite barrier and its resulting performance. This will be achieved by cooperation between design and engineering, science and performance assessment. The evolution from an installed engineered system to a fully functioning barrier will be assessed. One of the challenges is to take into account initial heterogeneities introduced in the system by conception with a combination of block and pellets or due to the size of the bentonite component (several 100 m³).

Requested papers

The main aim of the Beacon Initial Workshop is to establish a network of specialists in support of the project, and further to initiate a process leading to successful dissemination of the results. One of the primary objectives will be the presentations of the relevant information that is available from national and international projects at the beginning of the Beacon project which are relevant to explore the role of heterogeneities in bentonite components on long term performance assessment.

Papers for oral and/or poster presentations are requested from anyone working in the field of mechanical properties of bentonite, both from inside and outside the radioactive waste management community.

The papers should focus on available information, since the objective is the state of art. The presentations should therefore not cover the planned work in Beacon. This also means that review papers of the findings from earlier work are strongly encouraged.

Target audience

The key audience for the workshop is the scientific community involved with studies of mechanical properties of bentonite barriers.

Other important audiences are:

- Involved in final repository EURATOM programmes.
- Not yet involved but would like to get informed about how to join the activities.
- Not directly involved but would like to have a first-hand overview of the latest information followed by detailed proceedings.
- Generally interested in using the outcome of the programme; programme managers, regulators, WMOs, etc.

A conference venue will be arranged for about 80-100 attendees.

Workshop material

All presentations, posters and approved abstracts for the workshop will be published at the public project website and at the EC participant portal, unless other handling is specifically requested and justified.

Registration

Preliminary deadline for registration

30th May

[Register via this link](#)

Participants are very welcome to register before that date

Venue

Workshop will be held at [Lithuanian Energy Institute](#), Breslaujos str. 3 Kaunas.

Travel to Kaunas

Airports: [Kaunas airport](#), [Vilnius airport](#)

Timetables and tickets for travel Vilnius <->

Kaunas:

By Bus – www.autobusbilietai.lt

By Train – www.traukiniobilietas.lt/portal/en

Accommodation

Special prices (50-60 EUR/night for single room) in hotels: [Park Inn Hotel](#) and [Kaunas Hotel](#) using keyword BEACON.

Contact hotels directly by emails: info.kaunas@rezidorparkinn.com or info@kaunashotel.lt

Deadline for reservation of pre-booked hotel rooms at special prices is **4th May**

Other hotels and City Practical Information: <http://www.visit.kaunas.lt/en/>