BELBaR 1st Workshop

March 5-7, Helsinki University

BELBaR

- BELBaR is a Collaborative Project within the Seventh Framework Programme of the European Atomic Energy Community (Euratom) for nuclear research and training activities.
- The main aim of BELBaR is to increase knowledge of the processes that control clay colloid stability, generation and its ability to transport radionuclides.
- The overall purpose of the project is to come up with a new way of treating issues in long-term safety/performance assessment.
- The project started March 1, 2012 and has a duration of 48 months.
- The project has 14 partners from seven European countries

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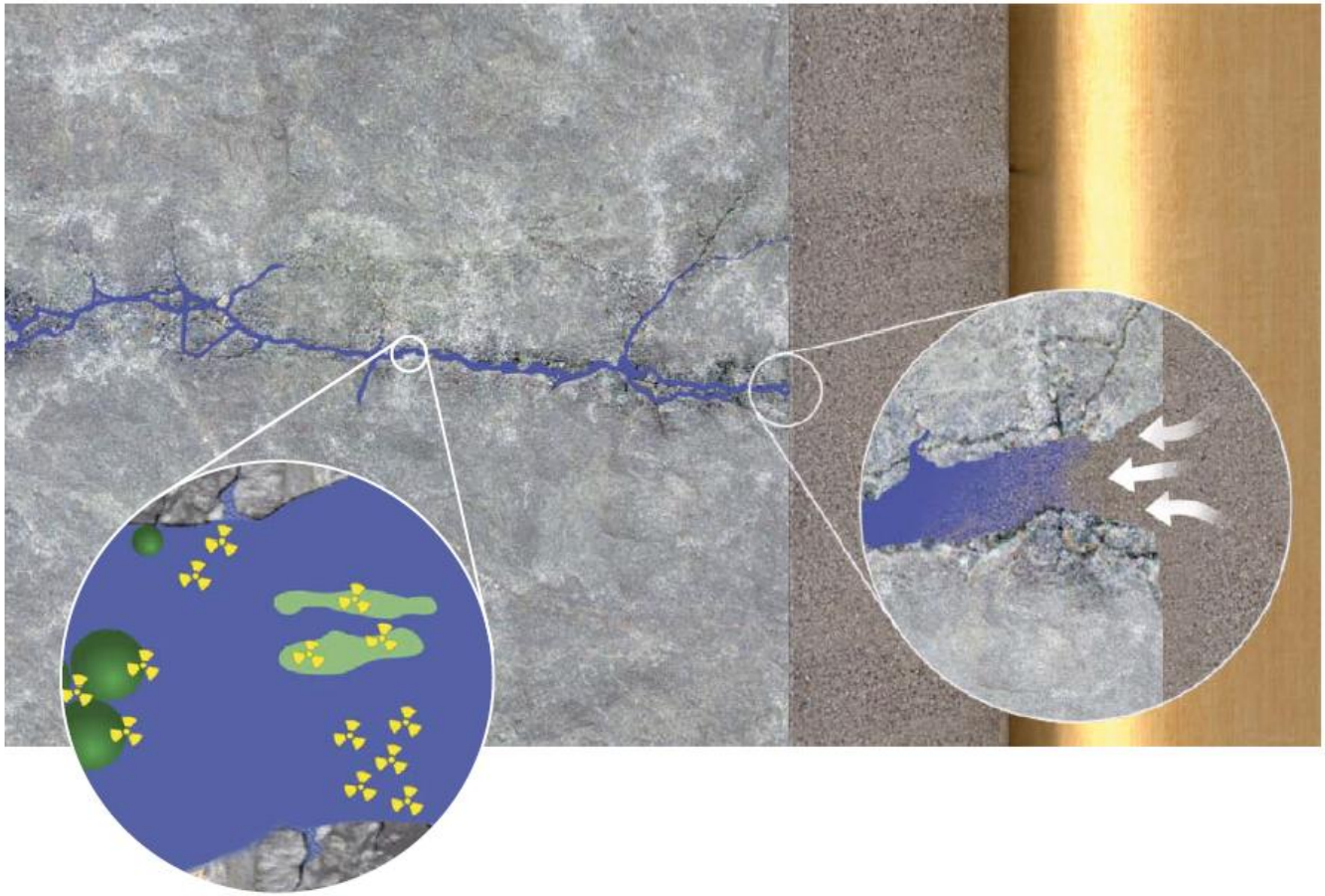

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Purpose of Workshop

- Dissemination of initial findings
- Establish a network of specialists from various areas with a range of expertise relevant to the project
  - Transfer of knowledge and collaboration
- General scientific session
  - Invited speaker

Finished Deliverables

- D1.1 Report that defines the relevant type and values of the parameters selected for experimental and modelling work:
  - Month 2, SKB, RE
- D6.1 Website for public and partner use
  - Month 3, SKB, PU & RE
- D6.2 Project presentation
  - Month 3, SKB, PU
- D6.3 Communication Action Plan
  - Month 6, SKB, PU
- D6.4 Review of Dissemination project plan (Missing)
  - Month 6 SKB, RE
- D1.2 Summary of current state-of-the-art regarding treatment of colloids and related issues in the long term safety case
  - Month 6, NDA, PU
- D4.1 State of the art report on experimental techniques used for investigations of clay colloid stability, including an establishment of protocol for rheology and turbidity experiments
  - Month 6, Clay Technology, PU
- D5.1 Description of conceptual models and the related mathematical models to support
  - Month 6 Posiva, PU
- D1.3 Workshop 1
  - Month 9, PU

Upcoming Deliverables

- D6.5 End User Review Board evaluation report on first annual meeting
  - Month 12, SKB, PU
- D2.1 Progress Report on the effects of the water chemistry, clay chemistry and water/clay interactions on erosion processes
  - Month 15, CIEMAT, PU
- D.2.2 Progress Report on erosion processes under flowing water conditions.
  - Month 15, KTH, PU
- D2.3 Progress Report on the analysis and characterization of the bentonite gel and colloids obtained in erosion tests:
  - Month 15, JyU, PU
- D3.1 Progress report on microscale investigations on colloid mobility controlling processes.
  - Month 15, MSU, PU
- D3.2 Progress report on macroscale investigations on colloid mobility in near-natural systems
  - Month 15, HU, UJV/REZ, PU
- D3.3 Process report on understanding of radionuclide colloid interaction with special emphasis on sorption reversibility
  - Month 15, UNIMANCH,PU
- D4.2 Progress Report on the effect of pH on clay colloid stability
  - Month 15, CIEMAT, PU
- D4.3* Status report on the theoretical understanding of the effect of Ca on clay gel stability
  - Month 15, KTH, PU

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Upcoming Meetings of Potential Interest

- XV International Clay Conference (XV ICC)
  - Rio de Janeiro in July 7-11, 2013
  - Abstract submission March 11, 2013
- Migration Conference 2013
  - Brighton, September 8th -13th 2013
  - Abstracts are due by March 22, 2013
- Euradwaste 2013
  - Vilnius, 14 to 16 October 2013
  - Plenary presentations will be made by invited speakers
  - Posters encouraged

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