

BELBaR: Investigation of erosion processes in bentonite engineered barriers systems of a repository in crystalline rock and their impact on the long-term performance of the repository

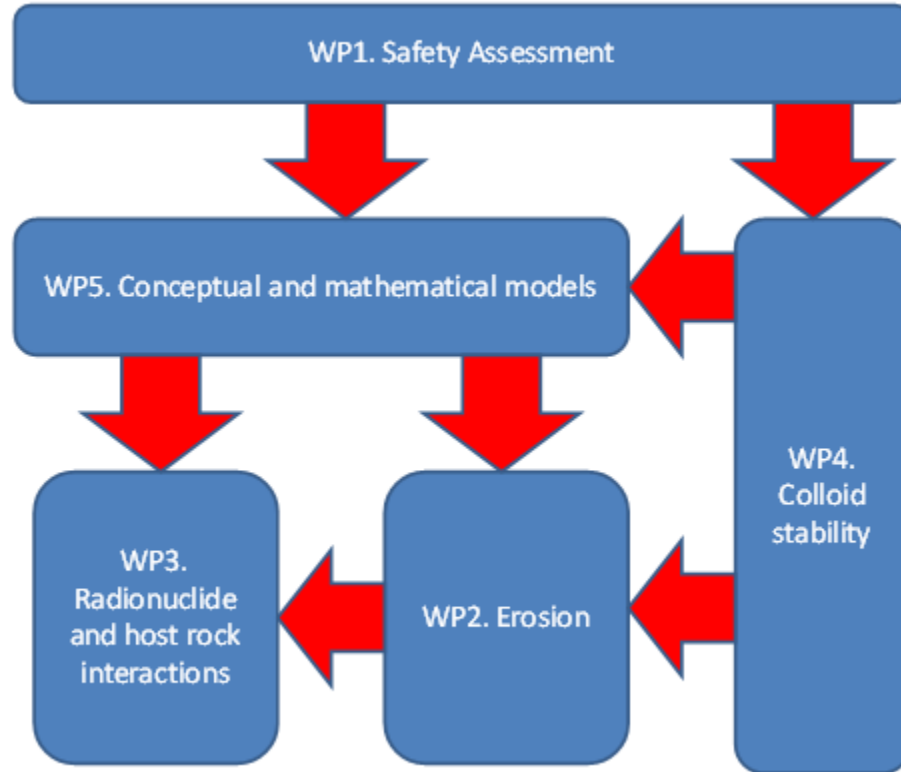


BELBaR

- 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.
 - BELBaR will end February 28, 2016
- The project has 14 partners from seven European countries



Outputs – onset of project



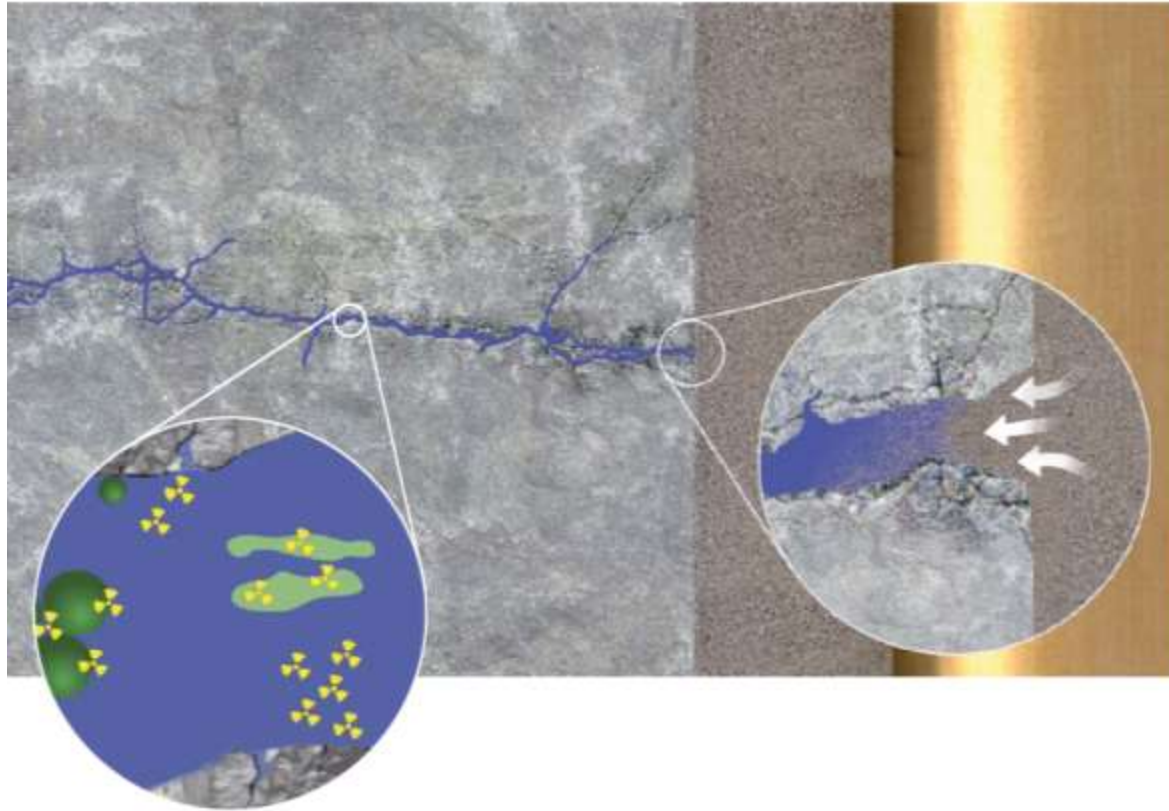
Partners



- **SKB: Svensk Kärnbränslehantering, Sweden**
- **CIEMAT: Centro de Investigaciones, Energeticas, Medioambientales y Technologicas Spain**
- **NRI: Nuclear Research institute Rez plc, Czech Republic**
- **KIT: Karlsruhe Institut of Technology, Germany**
- **Posiva OY, Finland**
- **VTT:Technical Research Instiute of Finland**
- **Clay Technology AB, Sweden**
- **University of Jyväskylä, Finland**
- **KTH: Kungliga Tekniska Högskolan, Sweden**
- **NDA: Nuclear Decommissioning Authority, United Kingdom**
- **B+Tech Oy, Finland**
- **University of Manchester ,United Kingdom**
- **Helsinki University, Finland**
- **Lomonosov Moscow State University, Russia**



The problem to study



This meeting

- International symposium
- The target audience is the scientific community
- Present and discuss clay colloid issues
 - Results from BELBaR as well as from other studies
- Keynote presentations from external experts



Agenda

- Today:
 - Overview of BELBaR
 - Invited talks
 - Oral presentations
 - Poster session
- Tomorrow:
 - Oral presentations
 - Summary



The research leading to these results has received funding from the European Atomic Energy Community's Seventh Framework Programme (FP7/2007- 2011) under grant agreement no 295487.

