

HITEC Day

Title: Nuclear waste depository and storing

Date: 26.02. - 28.02.2023

26.02. Journey (start 10.00)

27.02. Visit to Asse II (group 1) or Morsleben (group 2)

28.02. Visit to Asse II (group 2) or Morsleben (group 1)
and return to Jülich (arrival 21.30)

Location: Schachtanlage Asse II, Endlager Morsleben

The long-term storage and depository of nuclear waste is a worldwide problem. During these two visits to two salt mines that have been used for storing nuclear waste but are now slowly closing, you will be allowed to go inside these mines, learn about the waste that was (and is) being stored there and its risks, as well as the structure of these salt mines and what they have to endure. These two mines may never be stable or safe enough to transform them into something other than former nuclear waste depositories, even though people are trying to make it possible every day.

You will learn about:

- the safety regulations and rules involving the storage of nuclear waste
- the radiation risks that long-term storage of nuclear waste brings with it
- the challenges that the mines face when large quantities of nuclear waste are being stored there

Contents:

- LILW-LL long lived medium nuclear waste
- LILW-SL short lived low nuclear waste
- Usage of salt mines as depositories
- material research in view of a fusion power plant

Who should attend:

HITEC Ph.D.-fellows;
Postgraduate-, Ph.D.- and postdoctoral fellows from the fields of energy and climate research

HITEC Days

HITEC Days are an inherent part of the graduate school Helmholtz Interdisciplinary Doctoral Training in Energy and Climate Research (HITEC). They devote a whole day to a method or a scientific topic with lectures and discussions. The methodological days serve to encourage scientific interdisciplinarity and will enable the PhD students to extend their range of methods with respect to their own scientific work. HITEC Days always end with a 'Get together', some snacks and drinks. HITEC Days are open for HITEC Ph.D. students and other interested young scientists.