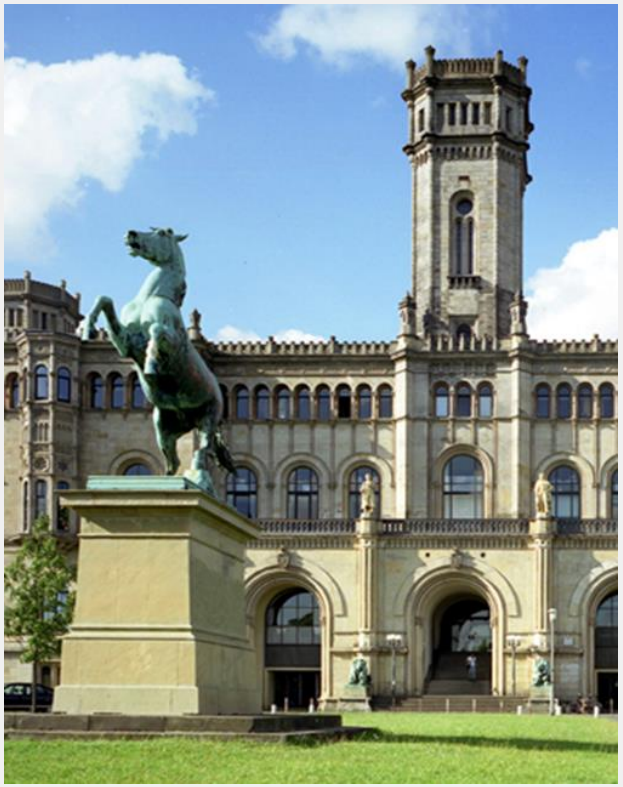
Hannover...

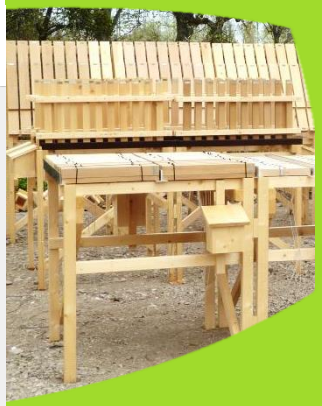
...is the state capital of Lower Saxony (Niedersachsen), and was once by personal union the family seat of the Hannoverian Kings of Great Britain. Nowadays Hannover is a city of international fairs and a major center of northern Germany with a population of approximately 530 000.

Leibniz Universität Hannover

Leibniz University Hannover
Faculty of Architecture and Landscape Sciences
Inst. of Vocational Sciences in the Building Trade
Herrenhäuser Straße 8
30419 Hannover



COST FP1303
Performance of bio-based building materials

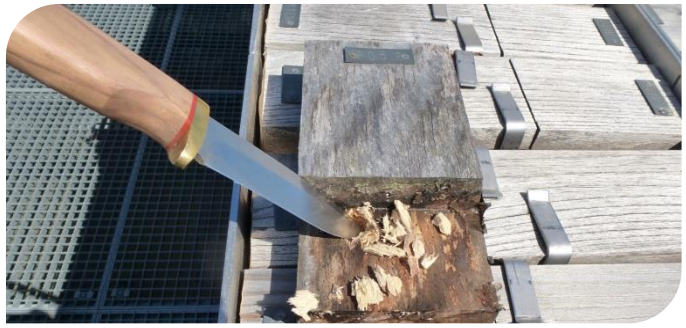


Training school

25 + 26 June 2014
Hannover, Germany

Durability studies in the field

Assessment and Evaluation



Content & objectives

Field durability studies are basic elements for performance testing of bio-based building materials. Besides traditional graveyard tests, which are well established for wood-based products, more and more new test methods are of interest. To adequately reflect the intended use conditions novel methods including moisture monitoring in various above-ground situations are required. The goal of this training school is therefore to cover various aspects of field durability testing. In particular students and other ESRs are welcome to apply!

Host & venue

The training school will be held at the Faculty of Architecture and Landscape Sciences at Leibniz University Hannover, which is located face to face with the Royal Gardens of Hannover. Information about accommodation and transport will be provided separately on the FP 1303 website.

Program

Day 1 - 25th June 2014 - 09:00-18:00

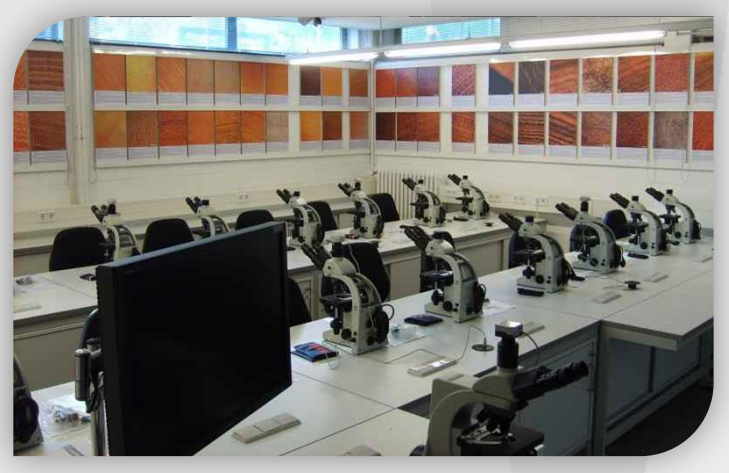
- **Visual decay assessment**
  (Ina Stephan, Pia Larsson-Brelid)
- **Above ground testing - non-standard methods and moisture monitoring**
  (Linda Meyer, Christian Brischke)

Day 2 - 26th June 2014 - 09:00-18:00

- **Microscopy - introduction (sample preparation, embedding, coloring etc.)**
  (Andreas Rapp)
- **Microscopy - detection of decay types**
  (Morten Klamer)

Registration

Please fill in the registration form and forward it to: brischke@ibw.uni-hannover.de and FP1303GrantHolder@sp.se by email no later than **April 30th 2014**.



About FP1303

Maintaining and expanding the market potential for bio-based building products in indoor and outdoor construction uses remains a key activity for European industry in the forestry and biotechnological sector. Performance data for many "environmental friendly" building materials are lacking as well as suitable comprehensive test methodologies to determine their resistance against mold, stain, and decay. The similarity in terms of decay hazard, resulting response on climatic loads and thus performance of different bio-based building materials has not yet been recognized adequately, wherefore this Action will provide a platform for networking and scientific exchange between different disciplines, such as material sciences, wood technology, biology, biotechnology, building physics and engineering. Consumer demands and preferences, which might serve as limit states to develop service life prediction and performance models, will consider aesthetical aspects as well as the functionality of building assemblies. A coordinated effort to put the issue of biodegradability of organic building products on the agenda will contribute to the control and prevention of this imminent threat to use bio-based building materials, which in turn could severely damage a pan-European low carbon building agenda.