

University  
of Ljubljana *Biotechnical*  
Faculty



# **COST ACTION FP1303**

## **1<sup>st</sup> Conference**

# **Performance and maintenance of bio- based building materials influencing the life cycle and LCA**

Kranjska Gora, Slovenia  
23 – 24 October 2014

**FIRST ANNOUNCEMENT  
AND CALL FOR ABSTRACTS**



## TOPICS

Maintaining and expanding the market potential for bio-based construction materials is a key activity for European industries, but this is hampered by limited performance data and comprehensive test methodologies to determine mould, stain, and decay resistance. Greater knowledge is needed for decay hazards and response on climate loads to better define performance of bio-based building materials. This conference will provide a platform for networking and scientific exchange between different disciplines. Key factors to be considered include consumer demands, performance and service life prediction, aesthetical aspects and functionality. A coordinated approach to understanding these organic building products will improve the long term implementation of bio-based building materials, contributing to the pan-European low carbon building agenda.

### WG 1 – Material capability and enhancement

- Aesthetical aspects related to rot, staining and mould fungi
- Contributing factors related to deterioration
- Gene expression techniques
- Protective measures (physical, chemical, biological and organizational protection). Remediation strategies.

### WG 2 - Functionality and performance

- Assessing and developing service life models
- Performance modelling as a tool to predict reliability
- Model houses and objects in Europe: design, monitoring, results, experiences, etc.
- Case studies

### WG 3 - Adaptation and application

- Life cycle methodologies for bio-based products in service
- Guidance in development of Environmental Product Declarations and CE markings
- Review environmental effects from material and volatile release
- Increase opportunities for bio-based building materials

**Topics...**



# Venue...

The Republic of Slovenia is situated in Central Europe, where different regions and climates meet: the Alps, the Mediterranean, the Karst and the Pannonian Plain. This land of magnificent scenery has a large variety of plants and animal species endemic to the region.

## KRANJSKA GORA – YOUR CONGRESS VENUE

The Zgornjesavska Valley is one of the most breathtaking alpine valleys whose center of activity is the resort town of Kranjska Gora. The valley has developed into a major tourist and sports region, famed primarily for its World Cup competitions in alpine skiing and ski flights on the giant ski-jump in Planica. But it still has much, much more to offer. With its broad variety of tourist services, this alluring valley attracts visitors all year round.



## HOW TO GET TO KRANJSKA GORA?

Although the Zgornjesavska valley is safely embraced by the peaks of the Karavanke Mountains and the Julian Alps, the valley is easily accessible. The nearest railway station is not far at all and there is less than an hour's drive to the Ljubljana International Airport. A shuttle service will be provided from the Ljubljana Airport.



More information about the venue:

[www.slovenia-tourism.si](http://www.slovenia-tourism.si) and <http://www.kranjska-gora.si/>

# Abstracts...

## SCIENTIFIC COMMITTEE

Dennis Jones (Action Chair); Christian Brischke (Deputy-Chair), Lina Nunes (WG1 Leader), Stig Bardage (WG1 Deputy leader), Sabrina Palanti (WG2 Leader), Miha Humar (WG2 Deputy leader), Andreja Kutnar (WG3 Leader), Ed Suttie (WG3 Deputy leader), Carmen-Mihaela Popescu

## LOCAL ORGANISATION

The conference will be organized by University of Primorska, Andrej Marušič Institute and University of Ljubljana, Biotechnical Faculty, Department of Wood Science and Technology.

## ACCOMMODATION AND TRAVEL

Participants will be asked to pay a moderate fee to cover the cost of lunches and coffee break. Conference will take place in Ramada Resort Kranjska Gora, <http://www.hitholidays-kg.si/nastanitve/ramada-resort-kranjska-gora>. Further details will be regularly updated on the Action website <http://www.costfp1303.com>.

## CALL FOR ABSTRACTS

An extended abstract (1-2 pages) relevant to the topics of the conference should be submitted by email to the Local Organizer ([mojca.zlahtic@bf.uni-lj.si](mailto:mojca.zlahtic@bf.uni-lj.si)) no later than **1<sup>st</sup> of June, 2014**. Abstracts must be written according to the template given on the action website. The abstracts will be published in the "book of abstracts" and will be ready for distribution on the first day of the conference.

## DEADLINES

June 1, 2014	Abstract submission
July 10, 2014	Information of acceptance of papers/posters
Oct. 1, 2014	Registration deadline
Oct. 23-24, 2014	The International Cost Action Conference

## CONTACTS

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