



InnoRenew CoE

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# CLICKdesign workshop: Predicting service life performance of timber structures: Durability and aesthetics

## When:

Wednesday, 17 June 2020

## Where:

Škocjanski zatok Nature Reserve, Sermin 50, 6000 Koper, Slovenia

## Agenda

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9:00 – 9:15	Welcome and introduction
9:15 – 9:45	<b>Ed Suttie</b> , <i>CLICKdesign project: Delivering fingertip knowledge with innovative software tool for designers</i>
9:45 – 10:15	<b>Anna Sandak</b> , <i>Aesthetical performance of timber buildings</i>
10:15 – 10:45	<b>Christian Brischke</b> , <i>Modelling of the durability and service life duration of timber structures</i>
10:45 – 11:15	<b>Magdalena Kutnik</b> , <i>Emerging risks for insects infestation in timber structures due to climate changes</i>
11:15 – 11:40	Coffee break
11:40 – 12:00	Presentation of prototype software tools developed in the CLICKdesign project framework
12:00 – 12:45	Roundtable discussion: Exchange of experience and identification of gaps in the state-of-the-art knowledge
12:45 – 14:00	Working lunch and informal discussion

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## Keynote speakers:



**Magdalena Kutnik, PhD**, is the director of the Biology Laboratory and project leader in the laboratory of biology at the French Technological Institute for Wood, Forestry, Paper and Furniture. She is the chair of the European standardization technical committee CEN TC 38 "Durability of wood and wood-based products". Her main research topics include natural durability of European timber species, improvement of the service



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life of wooden constructions, wood preservation, development of new products and construction materials resistant against subterranean termites' attacks.



**Anna Sandak, PhD**, is the research group leader in Wood Modification at the InnoRenew CoE and assistant professor at the University of Primorska. Her research activities include investigation of multi-scale relationship and performance of modified and functionalized bio-based materials and implementing them as new architectural elements. Her recent book “Bio-based building skin” was published by Springer Nature

as part of their Environmental Footprints and Eco-design of Products and Processes book series.



**Christian Brischke, PhD Dr. habil.**, is working at the Department of Wood Biology and Wood Products at the University of Göttingen. He was granted with the Venia legend in ‘Wood Technology’ by the Institute of Vocational Sciences in the Building Trade at Leibniz University Hannover. The focus of his research is wood protection, wood modification, durability and moisture performance of wood and wood-based products.



**Ed Suttie, PhD**, is the Research Director at BRE in the UK. He leads a sustainable materials team delivering research, consultancy and testing programmes, including timber service life and durability, health and well-being and material sustainability. He sits on numerous British and European Standards committees connected to sustainable construction and convenes CEN/TC38/WG28 Performance Classification of wood in

construction. He is a CLICKdesign project coordinator.