



ModWoodLife

# COST Action FP1407 1<sup>st</sup> Conference "Life Cycle Assessment, EPDs, and modified wood"

Koper, Slovenia

August 25<sup>th</sup> – August 26<sup>th</sup>, 2015

## CONFERENCE PROGRAM

**Tuesday, August 25<sup>th</sup>, 2015**

09:00	Registration	
09:30 - 09:45	<b>Welcome</b>	
	Andreja Kutnar	
09:45 - 10:30	<b>Keynote 1</b>	<b>Chair: Andreja Kutnar</b>
	<b>Frank Werner</b>	PCR development and EPD (for wood products) - the European context.
10:30 - 11:15	<b>Presentations</b>	<b>Chairs: Ana Dias and Franz Dolezal</b>
	<b>Tellnes, L. G. F</b>	Experiences with PCR for wood products and EPDs for modified wood in Norway – The role of biogenic carbon
	<b>Tarmo Rätty</b>	PEA-Db: Integration of LCI and EPDs with decision making
	<b>Friderik Knez</b>	Experience in environmental declarations programme ZAG EPD
11:15 - 11:45	<b>Coffee break</b>	
11:45 - 13:00	<b>Presentations</b>	<b>Chairs: Lauri Linkosalmi and Hermann Achenbach</b>
	<b>Flavie Lowres</b> , Elodie Macé, Nigel Jones, Ed Suttie	Materials credits within BREEAM – LCA, the Green Guide and timber
	David Hopkins, Ed Suttie, <b>Owen Abbe</b>	The Wood for Good life cycle database of timber products
	<b>Anna Sandak</b>	Bio-materials for building envelope - expected performance, life cycle costing & controlled degradation - Bio4ever project approach
	<b>Jakub Sandak</b> , Anna Sandak, Mariapaola Riggio	Bio-based building materials: aesthetical service life and customer's environmental conciseness
	<b>Hermann Achenbach</b> , Sebastian Rüter	Life cycle assessment of pre-fabricated timber houses according to the European state-of-the-art standards
13:00 - 14:30	<b>Lunch</b>	
14:30 - 15:45	<b>Presentations</b>	<b>Chairs: Anna Sandak and Rajat Panwar</b>
	<b>Johann Charwat-Pessler</b> , Rudolf Schraml, Karl Entacher, Andreas Uhl, Alexander Petutschnigg	Traceability within the wood supply chain: an opportunity defining system boundaries
	<b>Mario Marra</b> , Ottaviano Allegretti, Stefano Guercini	Life Cycle Assessment of ThermoVacuum treated softwood timber with comparison to untreated and preserved cladding
	<b>Jin-Bo Hu</b> , Campbell Skinner, Graham Ormondroyd, Gianluca Tondi Antonio Pizzi, Marie-France Thevenon	Life cycle assessment of a novel tannin-boron association for wood protection
	<b>Lauri Linkosalmi</b> , Kristiina Laine, Lauri Rautkari	Life cycle impacts of modified wood products
	L. Beesley, <b>K. Mitchell</b> , L. Mollon, G.J. Norton	Mobility and toxicity of heavy metal(loid)s arising from contaminated wood ash application to a pasture grassland soil
15:45 - 16:15	<b>Coffee break</b>	
16:15 - 17:30	<b>Presentations</b>	<b>Chairs: Alexander Petutschnigg and Monika Muszyńska</b>
	<b>Mojgan Vaziri</b> , Caroline Rogaume, Eric Masson, Antonio Pizzi, Dick Sandberg	VOC emissions from linear vibration
	<b>P. Rademacher</b> , P. Paril, J. Baar, R. Rousek, D. Meier, G. Koch, U.Schmitt	Improvement of wood properties due to impregnation of wood with renewable liquids from different process residues of native origin
	<b>Benedikt Neyses</b> , Dick Sandberg, Olle Hagman, Magnus Wålander	Development of a continuous wood surface densification process with a reduced environmental impact
	<b>Kévin Candelier</b> , Marie-France Thévenon, Anélie Pétrissans, Stéphane Dumarçay, Philippe Gérardin, Mathieu Pétrissans	Primary analysis methods used to control thermal treatments of wood and effect on decay resistance
	<b>Andreja Kutnar</b> , Michael Burnard, Matthew Schwarzkopf, Črtomir Tavzes	InnoRenew CoE - Renewable Materials and Healthy Environments Research and Innovation Centre of Excellence
17:30	<b>Closing of the first day</b>	
17:30 - 18:30	<b>Core group meeting</b>	
19:00	<b>Conference dinner</b>	



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Wednesday, August 26<sup>th</sup>, 2015

<b>9:00 - 9:30</b>	<b>Keynote 2</b>	<b>Chair: Andreja Kutnar</b>
	Rajat Panwar	Advancing LCA application in the wood sector
<b>9:30 - 10:45</b>	<b>Poster Session</b>	<b>Chairs: Michael Burnard and Carmen Popescu</b>
	<b>Manja Kitek Kuzman</b> , Mirko Kariž	The use of modified wood in Slovenia
	Malick Diakhaté, Seif Eddine Hamdi, Emilio Bastidas-Arteaga, <b>Rostand Moutou-Pitti</b>	Experimental characterization of wood mechanical performance in constant environment: use of acoustic emission to monitor crack tip propagation
	<b>Patrícia S. B. dos Santos</b> , Silvia H. F. da Silva, Caroline R. Soares, Darci A. Gatto, Jalel Labidi	Effect of natural weathering and accelerated aging on Brazilian wood Pinus
	Miha Humar, <b>Davor Kržišnik</b> , Boštjan Lesar, Nejc Thaler, Mojca Žlahtič	Characterisation of interactions between thermally modified wood and water
	Tomasz Krystofiak, Barbara Lis, <b>Monika Muszyńska</b>	Study of interactions between PVAC adhesives and wood after thermo-mechanical (TM) modification
	<b>Seref Kurt</b> , Hüseyin Yörür, Muhammed Nuri Günay, Taner Yildiz	Tests to increase preservative retention in fir
	<b>Václav Sebera</b> , Martin Brabec, Petr Čermák, Jan Tippner, Jaromír Milch	Analysis of neutral axis position in thermally modified wood using DIC
	<b>Daniela T. Silva</b> , René Herrera, Berta M. Heinzmann, Jalel	Decay resistance and physicochemical properties of wood preservatives based on Ocotea
	<b>Ali Temiz</b> , Engin Derya Gezer, Selçuk Akbaş, Gaye Köse Demirel	Effects of Bio and Epoxidized Oil on Physical and Biological Properties of Treated Wood
	<b>Maria-Cristina Popescu</b> , Carmen-Mihaela Popescu	Structure evaluation of the modified wood through different spectral techniques
	<b>Giacomo Goli</b> , Francesco Negro, Corrado Cremonini, Roberto Zanuttini, Marco Fioravanti	Feasibility of highly durable plywood production with poplar wood as a substitute of tropical species
	<b>Andris Morozovs</b> , Edgars Bukšāns, Uldis Spulle	Mineral-plant-fibre composite coating as cellular wood protector against fire
	Liljana Rušnjak, Michael Burnard, <b>Andreja Kutnar</b>	Waste wood management and processing - opportunities for reducing the environmental impact of ports
	<b>Michael Burnard</b> , Andreja Kutnar, Aleksandar Tošić	Perceptions of innovation in wood-based products from Slovenia
	Seif Eddine Hamdi, <b>Rostand Moutou Pitti</b>	Characterization of cracked wood under thermo-hydro-mechanical and viscoelastic behaviour
<b>10:45 - 11:30</b>	<b>Poster session with refreshments</b>	
<b>11:15 - 12:15</b>	<b>Presentations</b>	<b>Chairs: Dick Sandberg and Václav Sebera</b>
	<b>Wim Willems</b>	Novel moisture sorption model explaining parallel kinetics of transient wood moisture content
	<b>Róbert Németh</b> , Dimitrios Tsalagkas, Miklós Bak	Changes in the modulus of elasticity of beeswax impregnated wood during soil contact
	<b>Straže A.</b> , Fajdiga G., Pervan S., Gorišek Ž.	Impact of thermal treatment on moisture-dependent elastoplastic behaviour of beech wood
	Aleksandar Lovrić, <b>Vladislav Zdravković</b> , Nebojša Todorović, Goran Milić	Influence of Thermal Modification of Poplar Veneers and Plywood Construction on Shear Strength
<b>12:15 - 13:30</b>	<b>Lunch</b>	
<b>13:30 - 14:45</b>	<b>Working group meeting</b>	
	WG1: Product Category Rules	Lead by Dick Sandberg & Robert Nemeth
	WG2: Life Cycle Assessments	Lead by Lauri Linkosalmi
	WG3: Environmental products declarations	Lead by Ana Dias
	WG4: Integration, dissemination and exploitation	Lead by Edo Kegel & Michael Burnard
<b>14:45 - 15:15</b>	<b>Reports of WG leaders and conference conclusions</b>	
<b>15:15 - 15:45</b>	<b>Coffee break</b>	
<b>15:45 - 17:00</b>	<b>MC meeting</b>	
<b>18:00 - 22:00</b>	<b>Visit of Piran</b>	