



## COST ACTION FP1303

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

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

<b>THURSDAY 23rd OCTOBER 2014</b>			
8.30			<b>Arrival</b>
8:45-9:00		Andreja Kutnar, Miha Humar, Dennis Jones	Welcome adress
<b>9:00-11:15</b>	<b>SESSION 1 - LIFE CYCLE AND PERFORMANCE (Chairs - Andreja Kutnar and Christelle Ganne-Chédeville)</b>		
9.00-9.45	Key note	Alberto Cayuela	UBC: A living laboratory for sustainability
9.45-10.00	1	Hermann Achenbach	Wooden products in WECOBIS - Bio based building products in a web based information system for health and environmental issues
10:00-10:15	2	Franz Dolezal	Survey of allocation methods in life cycle assessments of wood based products
10:15-10:30	3	Ana Claudia Dias	Life cycle assessment of maritime pine wood
10:30-10:45	4	Aleš Ugovšek	Cost effectiveness of passive window made of thermally modified spruce (Picea abies)
10:45-11:00	5	Dennis Jones	Environmental considerations for biobased materials in modern methods of construction
11:00-11:15	6	Callum Hill	The environmental impacts associated with wood modification
11.15-11.45			<b>Coffee</b>
<b>11.45-13.00</b>	<b>SESSION 2 - MOULD AND STAINING FUNGI (Chairs - Sabrina Palanti and Franc Pohleven)</b>		
11:45-12:00	7	Katharina Plaschkies	Susceptibility of wood-polymer composites against mould, wood staining fungi and algae
12:00-12:15	8	Lone Ross Gobakken	Aesthetical aspects of discolouring fungi on wood in-service
12:15-12:30	9	Elina Sohlberg	Communities of mold fungi in moisture damaged building materials studied with molecular methods
12:30-12:45	10	Stig Bardage	Simple test setups for assessment of performance outdoors
12:45-13:00	11	Ingunn Burud	Assessment and modelling of discolouring fungi on wood in an outdoor environment
13.00-14.15			<b>Lunch</b>



<b>14.15-15.30 SESSION 3 - POSTER SESSION (Chairs - Dennis Jones and Aleš Ugovšek)</b>			
	p1	Stephanie Gantz	Investigation of the resistance against soft rot of thermally modified bamboo ( <i>Dendrocalamus barbatus</i> )
	p2	Anna Rozanska	Construction and material issues and usage prospects of antique wooden beam floors
	p3	Roman Réh	Monitoring of pressing process in advanced composite formwork panels - I.
	p4	Izabela Burawska	Natural reinforcement of bent wooden elements
	p5	Stergios Adamopoulos	Gypsum-based bricks (WoodRub BRICKS) manufactured from recovered wood and rubber
	p6	Türker Dünder	In situ Evaluation of Historic Timber Structure with Non-destructive and Semi-destructive Test Techniques
	p7	Monika Muszyńska	Adhesion promoters as a agents improving thermoresistance of glue lines
	p8	Elisabeth Habla	Using wood based interior materials to promote human well-being: project Wood2New
	p9	Sotir Glushkov	Technology and machinery for the manufacture of wooden houses from roundwood in Bulgaria
	p10	Kuzman Manja	Societal perceptions of the forest-based sector and its products towards a sustainable society: project W <sup>3</sup> B – Wood Believe
15:10-15:20	p11	Miha Humar	COST FP 1303 Cooperative Performance Test - Status update
15:20-15:30	p12	Christian Brischke	"A platform for exchange of performance data - the IRG-WP Durability Database"
15.30-16.15			<b>Coffee</b>
<b>16.15-18.00 SESSION 4 - MOULD AND MOISTURE (Chairs - Stig Badage and Notburga Pfabigan)</b>			
16.15-16:30	12	Mojca Žlahtič	Development of the blue stain fungi on the façade of the model house in Ljubljana
16:30-16:45	13	Magdalena Kutnik	Methodological improvements in the assessment of the resistance against moulds of bio-based insulation materials
16:45-17:00	14	Jonas Niklewski	Effects of climate exposure on the (moisture) performance of structural details in timber bridges
17:00-17:15	15	Wim Willems	Moisture sorption in modified wood
17:15-17:30	16	Robert Nemeth	Effect of high pressurised water on wood surfaces
17:30-17:45	17	Joris Van Acker	Time of Wetness (ToW) simulation based on testing moisture dynamics of wood
19:30			<b>Conference Dinner</b>



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FRIDAY 24th OCTOBER 2014			
8.15			Arrive
<b>8:30-9:30</b>	<b>SESSION 5 - STSM session (Chair Carmen-Mihaela Popescu)</b>		
8.30-8:45	s1	Christelle Ganne- Chédeville-STSM	LCA of an in-development ultralight particleboard
8:45-9:00	s2	Alireza Bastani-STSM	Investigation on bonding properties of modified birch veneers using ABES machine
9:00-9:15	s3	Serkan Özdemir-STSM	Bonding quality of laminated veneer lumber manufactured from densified poplar veneers – the effect of pressure level
9:15-9:30	s4	Michael Burnard-STSM	Investigating views of naturalness across Europe
<b>9.30-11.00</b>	<b>SESSION 6 - DURABILITY (Chairs - Christian Brischke and Elina Sohlberg)</b>		
9:30-9:45	18	Holger Militz	Evaluation of fungal infestation, decay and evaluation methods in a simulated use class 3 situation (block test) after some years of exposure
9:45-10:00	19	Philipp Flade	Performance of thermally modified timber in use class 3.2
10:00-10:15	20	Kordula Jacobs	Diversity of wood decay fungi in test fields across Europe
10:15-10:30	21	George Mantanis	Weathering test of furfurylated wood decks in a 3-year exposure in Greece
10:30-10:45	22	J. Galván	Durability and service class of CLT. The case of Spain.
10:45-11:00	23	Sabrina Palanti	A case study: evaluation of state of conservation of wood panels and beams of a CLT kindergarten. Proposal of a diagnostic approach and realization of an Italian register of service life condition of recent wooden buildings.
11:00-11.30			<b>Coffee</b>
<b>11.30-13.15</b>	<b>SESSION 7 - COMPOSITES and NON-WOOD MATERIALS (Chairs - Sergej Medved and Monika Muszyńska)</b>		



11.30-11:45	24	Cihat Tascioglu	Biological performance of zinc borate-incorporated particleboard: Effects of leaching on efficacy
11:45-12:00	25	Niccolò Macchi	Use of wood waste as a resource for structural wood-concrete compounds
12:00-12:15	26	Sabrina Palanti / Mark Irle	ESB wooden buildings as model houses to define the performance through the analysis of design, decay monitoring and environmental parameters.
12:15-12:30	27	Mag.a Notburga Pfabigan	Emissions from wood, treated with copper-amine based wood preservatives – a two years exposure study of semi-field test
12:30-12:45	28	Rostand Moutou Pitti	Applying the grid method to investigate crack appearance and propagation in notched wood beams used in individual houses in Europe
12:45-13:00	29	Teppand Tõnis	Technology to use the biomass of meadow plants as thermal insulation material and their thermal properties
13:00-13:15	30	Christian Brischke	Thermal modification of reed ( <i>Phragmites communis</i> )
13.15-14.30			<b>Lunch</b>
14.30-15.30	<b>Discussion on presentations / WG meetings</b>		
15.30-16.00			<b>Coffee</b>
16.00-17.30 or 18.00	<b>Management Committee meeting</b> (ALL MC members present or replacement substitute MC members MUST attend and sign attendance list)		