



Minutes

EU Hardwoods – 3rd meeting

att.: MPA Simon Aicher, Maren Hirsch
 FCBA Guillaume Legrand, Andreas Kleinschmit, Morgan Vuillermoz
 FVA Udo Sauter, Lorenz Breinig
 CBD Igor Gavrič
 HFA Peter Linsenmann, Angelika Rubick
 UL Goran Turk, Mitja Plos, Urška Bajc

place: FCBA, 10 rue Galilée, 77420 Champs-sur-Marne, Paris, France

time: 25.06.2015, 12:30 – 17:00

 26.06.2015, 9:00 – 12:30



	Content	TODO
1	Funding situation, extension of project duration	
	<p>Extension of the project:</p> <p>The official grant for a project extension was given. The project end is now 31.12.2016.</p> <p>Partners from Slovenia and Germany have to sort formalities on the national level for the extension. Others do not need to do anything.</p>	UL, MPA
2	WP2 – basic hardwood strength data	
	<p>Peter Linsenmann and Goran Turk presented reports on the data.</p> <p>An extensive data survey has been done. The collected data is not enough, so additional testing needs to be done.</p> <p>HFA will test 150 lamellas from FVA German logs. UL will also test 200 lamellas from 200 Slovenian beech logs. Tension strength will be tested.</p> <p>HFA will also try to get more data in addition to the FVA lamellas.</p> <p>FCBA has more data and will provide it (a form sheet for the data is need). FCBA will also try to get some data on Italian Sweet chestnut since there is big interest in France for it.</p> <p>Maren Hirsch presented the report concerning the data that MPA distributed to all the project partners. The datasets consists of bending glulam tests, tensile tests on single lamellas and bending tests on lamellas with fingerjoints for different wood species.</p>	HFA, UL, FCBA, ALL
3	WP1 – hardwood resource	
	<p>Lorenz Breinig presented the results for WP1 and the measurements done on logs. Wood volumes of European hardwoods are almost the same as that of softwoods. Based on the WEHAM model it is predicted that by 2052 beech volumes will increase and oak volumes will stay the same. A report on the testing done on logs was presented. Most of the logs were visually graded to a low grade. The logs will be sawn into 150 lamellas that will be tensile tested at HFA.</p> <p>A discussion about the thickness of the lamellas concluded that 30 mm thickness is the maximum.</p> <p>FCBA will prepare a questionnaire to be sent to Simonin in order to specify the “perfect lamella”. It is planned to present the results on the next meeting.</p>	FVA, HFA FCBA
4	WP3 – gluing	
	Simon Aicher presented the delamination tests done at MPA according to EN 302-2 on different wood species with different adhesives. The results were fairly positive.	MPA
5	WP4 – glulam	



	<p>Simon Aicher gave a presentation on the work done at MPA. It was shown that jointed laminations had a considerably lower tensile strength than the unjointed laminations. The effect grew as the tensile strength got higher. An FE-model of glulam beams was made with random positions of finger joint strengths and board segments. Comparison between the model and experiments was made, with promising results.</p> <p>Simon pointed out that the finger joints are a problem with hardwood, as the relation between shear and tension strength is bad for hardwood.</p> <p>Guillaume Legrand also gave a presentation on WP4. FCBA created a template for the collection of data. Survey of the given data from previous projects was made. Further tasks are the production of a simulation of glulam hardwood timber, glulam production and destructive testing.</p> <p>MPA will provide FCBA and UL with additional needed to evaluate their model.</p>	<p>FCBA MPA</p>
<p>6</p>	<p>WP5 – CLT</p>	
	<p>Maren Hirsch presented a report on the testing done on “bad” and “good” beech wood at the MPA. The high or low grade beech wood was determined by the saw miller.</p> <p>All the wood was visually graded according to the DIN standard. The low grade wood is to be used in the middle of the CLT to lessen the rolling shear problems. Rolling shear tests were done. The high grade wood will be used for the outer lamellas of the CLT. Tensile and compression test were carried out on the lamellas.</p> <p>CLT with low and high grade lamellas will be produced in factory conditions. Each will then be tested to evaluate the computational model.</p>	<p>MPA CBD</p>
<p>7</p>	<p>WP6 – dissemination</p>	
	<p>Two internet sites are up and running. An open site and a members only site. Both can be accessed through: eu-hardwoods.eu. The username is wood. The password is Ljubljana2014. For now all files will be sent by e-mail and uploaded by Mitja Plos.</p> <p>FVA submitted two papers to international conferences: one at 5th International Scientific Conference on Hardwood Processing taking place in Quebec City in September 2015 and one at 19th International Non-destructive Testing and Evaluation of Wood Symposium taking place in Rio de Janeiro also in September 2015.</p> <p>The first interim report to WWN will be prepared by HFA and UL.</p> <p>On 14th to 15th September 2015 there is also the WWN seminar where a joint presentation of the project will be given. Submission deadline is 18th August 2015.</p> <p>On 22nd to 25th August 2016 the WCTE conference will be held in Vienna, Austria. The deadline for abstract submission is 30.9.2015. At least a joint presentation of the project should be given at the conference.</p> <p>A LinkedIn page was set up.</p>	<p>UL</p>



8	any other business	
	<p>Reports: The WWN newsletter is due on 3rd and will be prepared by HFA.</p> <p>“IDEAL lamella”: FCBA will prepare a questionnaire for the industry and will send it to all the partners to make the inquiries.</p> <p>Future projects: Angelika Rubick and Andreas Kleinschmit gave presentations on the possibilities for future project funding. For horizon 2020 the projects should be industry focused with TRL at least around 6. An FTP partnering event will take place on 27.10.2015 at the Munich airport center. The BBI (Bio-Based Industries) as well as the BBI consortium was presented. All agreed to further projects. Each partner should present a draft proposal by the end of September.</p> <p>Other: It is proposed that separate meetings with experts from outside the group could be held to exchange what the group is doing and get some feedback.</p>	<p>HFA</p> <p>ALL</p> <p>ALL</p> <p>FCBA</p> <p>ALL</p>
10	next meeting	
	The next meeting will be held in Freiburg at FVA from 12:00 10.12.2015 to 12:00 11.12.2015.	

author: M. Plos, U. Bajc, G. Turk, 8.7.2015
P. Linsenmann, 06.08.2015