

**COST E50 CEMARE
Joint WG3 and WG4 workshop
April 11.-12. 2008, Ljubljana, Slovenia**

**Wound reactions in trees
and wood quality**

Programme

Friday, 11. April 2008

8.00 - 9.00: **Registration**

9:00 - 9:05: **Welcoming address by the host**

Chair person: Primož Oven

9:05 – 9: 35: **Schmitt U.** Johann Heinrich von Thünen-Institute, Federal Research Institute for Rural Areas, Forestry and Fisheries, Institute for Wood Technology and Wood Biology, Leuschnerstr. 91, 21031 Hamburg, Germany. **On the fine structure of wound reactions in the xylem of hardwoods**

9:35 – 10:05: **Delvaux Cl., H. Beeckman.** Laboratory Tropical and Subtropical Agronomy and Ethnobotany, Department Plant Production, University of Ghent, Laboratory for Wood Biology. **Influence of bark harvesting on xylem vessel density and size of 10 medicinal tree species (Benin)**

10:05 – 10:10: **Schmitz N.**^{1,2}, **Kairo J.G.**³, **Beeckman H.**², **Koedam N.**¹ 1) Vrije Universiteit Brussel (VUB), Laboratory for Plant Biology and Nature, Management (APNA), Pleinlaan 2, 1050 Brussels, Belgium. 2) Royal Museum for Central Africa (RMCA), Laboratory of Wood Biology and Xylarium, Leuvensesteenweg 13, 3080, Tervuren, Belgium. 3) Kenya Marine and Fisheries Research Institute (KMFRI), P.O. Box 81651, Mombasa, Kenya. **Wound response in the mangrove species *Avicennia marina* (Poster)**

10: 10 – 10:40: **Coffee break**

10:40 – 12.00: **Discussion**

- Formation, regulation and variability of wound-tissues in hardwoods,
- Topics for further research

12.00 -14:00: **Lunch**

Chair person: Uwe Schmitt

14.00 – 14.30: **Oven P.** University of Ljubljana, Biotechnical Faculty, Department of Wood Science and Technology, Rožna dolina VIII/34, SI-1000 Ljubljana, Slovenia. **Anatomical response of the secondary phloem and cambium in conifers to mechanical wounding**

14: 30 – 15: 00: **Harju A., M. Venäläinen.** Finnish Forest Research Institute (Metla), Punkaharju Research Unit. **Induced production of stilbenes and lignans in Scots pine seedlings**

15:00- 15:05: **Venäläinen M., Harju A., Willför S., Suvi P., Pavillet D. Laakso T.** Finnish Forest Research Institute (Metla), Punkaharju Research Unit, Åbo Academi, Process Chemistry Centre, Ecole Nationale Supérieure Agronomique de Montpellier, Finnish Forest Research Institute (Metla), Vantaa Research Unit. **Compartmentalization of injured Scots pine sapwood (Poster)**

15:05 – 15:10: **Jyske T.**¹, **Mäkinen H.**¹, **Nöjd, P.**¹ and **Spiecker, H.**². ¹Finnish Forest Research Institute, Vantaa Research Unit, P.O. Box 18, FI-01301 Vantaa, Finland, ² Albert-Ludwig University, Institute for Forest Growth, Department for Forest Growth, Tennenbacher Straße 4, D-79106 Freiburg, Germany. **The effect of severe drought on xylem formation in Norway spruce (Poster)**

15:10 – 15:40: **Coffee break**

15:40 – 17:00: **Discussion**

- Response of conifers to wounding: State-of-art and terminology,
- Topics for further research

19:00 Dinner

Saturday, 12. April 2008

Chair person: Uwe Schmitt

09:00 – 9:30: **Koch, G.** Johann Heinrich von Thünen-Institute, Federal Research Institute for Rural Areas, Forestry and Fisheries, Institute for Wood Technology and Wood Biology, Leuschnerstr. 91, 21031 Hamburg, Germany. **Discolouration of wood in the living tree and during processing**

9:30 – 10:00: **Torelli, N.** Slovenian Forestry Institute. Večna pot 2. 1000 Ljubljana, Slovenia. **Aetiology and properties of wet-wood in silver fir**

10:00 – 10:05: **Merela M. , Oven P., Mikac U., Serša I.:** Department of Wood Science and Technology, Biotechnical Faculty, University of Ljubljana, Rozna dolina VIII/34, 1000 Ljubljana, ²Jožef Stefan Institute, Jamova 39, 1000 Ljubljana. **Wound response in beech investigated by 3D MRI (Poster)**

10:05 – 10:10: **Straže A, Gorišek Ž.** Department of Wood Science and Technology, Biotechnical Faculty, University of Ljubljana, Rozna dolina VIII/34, 1000 Ljubljana. **Reduction of discolouration during beech wood (*Fagus sylvatica* L.) conventional drying by use of leaves transpirational pre-drying (Poster)**

10:10 – 10:40: **Coffee break**

10:40 – 12:00: **Discussion and conclusions**

- state-of-art and relevancy of discolorations and wound-tissues for wood industry
- further research
- publication of wound reactions in trees

12:00 – 14:00 **Lunch**

14:00 **End of the workshop**