

## Report of the IUFRO Division 5 (Forest Products) Business Meeting held on 13 July 2012

Compiled by: Andrew Wong (D5 Coordinator), 8 October 2012

On Friday 13 July 2012, at 3.30PM, the D5 Business meeting convened at the Estoril Congress Centre, Estoril, Portugal. The meeting was Chaired by members of Unit 5.00.00 Andrew Wong (AW, Coordinator), Pekka Saranpaa (PS, Deputy Coordinator), Dave Cown (DC, Deputy Coordinator) and Jamie Barbour (JB, Deputy Coordinator). Altogether 35 attendees, from all research groups were present.

AW opened the meeting and encourage all research groups (RG) to start planning sessions for the 24<sup>th</sup> IUFRO World Congress in Salt Lake City, Utah, USA, Oct 5-11, 2014. The nature of the sessions had to fit the current IUFRO strategy and congress themes, and that inter-group and inter-divisional cooperation on session planning is a priority emphasized by the IUFRO2014 World Congress committee. AW will provide further details about the requirements for such session planning, and hope to have many D5-related sessions at the next World Congress. Congress session proposals open on 1 January 2013 with deadline on 30 April 2013. Proposals to be submitted online at [www.iufro2014.com](http://www.iufro2014.com)

Summary reports (10 min) of the RG Business meetings held during the week, were made by the RG coordinators or their representatives [Pekka Saranpaa (5.01), Xiping Wang (5.02), Nasko Terziev (5.03), Marius Barbu (5.04), Salim Hiziroglu (5.05), Roger Meder (5.06), Dave Cown, Sarwar Jahan (5.07), Eric Hansen (5.10), Tom Hammett (5.11), Jamie Barbour (5.12), and Rupert Wimmer (5.14). These reports dealt with the status of the RG activities and leadership, and plans for changes to the RG organization. Details of the RG business reports are shown in **Appendix** below. Other matters discussed are:

- PS announced that CABI is keen to conduct abstracting of the D5 conference posters, and all abstracts, as well as publish the keynote papers.
- Interest was shown to have softcopies of conference proceedings made available before a D5 conference in future, in USB drive or CD provided to each delegate, as it appeared that many delegates to this conference have brought their PC notebooks.
- RG coordinators to approach oral presenters for permission to upload their Microsoft powerpoint presentations on to the RG websites
- Possibilities for peer reviewed papers selected from the conference proceedings were also considered.
- Various issues about the state of the D5 conference organization were raised in good faith, with a view to improve the future D5 conference organization. Example, the need for a contact list of delegates to this conference (being addressed by the LOC) that would facilitate networking among delegates, message board was needed to help moderators and speakers communicate, poor colour contrast for the texts in the conference proceedings

- RG reports dealt with (1) status of the conference sessions run by the RG, (2) status of activities of the Working Parties (WP) and leadership changes, (3) RG's ideas/proposals for participating at the IUFRO World Congress. Details are shown in **Appendix**.
- JB proposed setting up a "share point site (online) at D5 website for sharing ideas and encouraging cooperation on proposals for 2014 World Congress
- How to know what other RG's are doing within D5 and between divisions so as to make the best use of congress sessions planning that requires inter-group, inter-divisional joint sessions for the world congress?
- Bids are opened to members to organize the next D5 conference.

The conveners of the meeting thanked Helen Pereira, Pedro Cardoso and the Local Organising committee for the overall excellent organization of the conference. The D5 Business meeting closed at 5.30PM followed by coffee/tea/drinks ceremony.

#### Attendees at the D5 Business Meeting held on 13 July 2012

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## **APPENDIX – Research Group Reports**

### **5.01 (Wood quality)**

#### **IUFRO Research Group 5.01 Business Meeting**

**Held during the 2012 Division 5 Meeting, Lisbon, Portugal**

**10 July 2012 (17:45-18:30)**

Rapporteur: Pekka Saranpää (Metla, The Finnish Forest Research Institute, Finland)

About 10 people attended the meeting.

The Wood Quality group organised a total of 11 sessions during the conference. They included 56 oral presentations. Two sessions were organised together with IAWA and they were well attended. Barb Lachenbruch was thanked for actively organising WP 5.01.08 “Understanding wood variability” special sessions with numerous subplenary talks. Margaret Devall organised a WP5.01.07 “Tree Ring Analysis” session together with IAWA and a special session “Flexwood” was organised together with WP 5.01.00 and the EU-project “Flexible Wood Supply Chain”. Elspeth McDonald organised a special session about “Complex stand structures” together with WP 5.01.00.

The sessions included ca. 46 posters covering a wide range of topics related to the properties and utilisation of forest products.

1. First discussion was about possibilities to increase the visibility of the Research Group, Division and IUFRO. Starting a discussion group or a blog was suggested but the problem is that only a few people have time to update or support those. Newsletter was also considered but nobody volunteered to publish one. We decided that RGs and WPs continue to support various meetings under IUFRO label and organise business meetings during the conferences. Our web pages should be updated and the possibility to include various links to publications and research projects of the office holders was also suggested. RG coordinator Pekka Saranpää will remind WP leaders about this.

2. Second item we discussed was about the Working Party structure. It has been recently reorganised and overlapping WPs have been cancelled. The new WP 5.01.08 “Understanding wood variation” has been very active during the conference. WP 5.01.04 “Wood quality modeling” has been relatively inactive and has not joined the last IUFRO meetings. A new coordinator and new deputies were suggested. RG coordinator will contact the present WP leader about his interest to continue and inform the new office holders. Web page should be then updated. Barry Gardiner will join as a new deputy in WP 5.01.08 and Paul McLean will help in maintaining the webpage and with correspondence within the group.
3. No specific activities were planned for the term 2012-2014 at this point.
4. Themes and proposal for the next IUFRO World Congress were lively discussed. Divisions 1 and 2, Silviculture and Tree Breeding are most likely the collaborators for inter-divisional and interdisciplinary sessions. Many themes were suggested. Main goal of the RG is to understand wood variation and tree response to environment: how environmental factors and management affects wood properties. Themes: “Upsides And Downsides Or Strength And Weakness Of Wood Variability” and “Contribution Of Wood Quality To Biorefinery, Bioenergy And Bioeconomy” were suggested. Nobody volunteered to submit a proposal. RG coordinator will contact the group later about the possible proposal.

## **5.02 (Physiomechanical properties of wood and wood based materials)**

### **IUFRO D5 Research Group Business Meeting**

#### **D.02.00 Physiomechanical Properties of Wood and Wood-Based Materials**

*July 10, 2012 (17:30 – 18:30 PM)*

### **Report**

Xiping Wang, Coordinator

#### **1. Research Group/Unit Overview**

Activities sponsored

- October, 2009, 16<sup>th</sup> International Symposium on NDT/NDE of Wood, Sopron, Hungary
- September 2011, 17<sup>th</sup> International Symposium on NDT/NDE of Wood, Sopron, Hungary
- July 8-13, 2012, IUFRO D5 Conference, organized 4 Technical sessions with 21 full oral presentations, 4 short presentations, and 35 poster presentations.

#### **2. Activities for the remaining term (2012-2014).**

- October 21-23, 2012, The International Conference on Bio-based Material Science and Engineering (BMSE 2012), Changsha, China (in progress)
- Sept 24-27, 2013, 18<sup>th</sup> International Symposium on NDT/NDE of Wood, Madison, Wisconsin (in progress)
- A potential workshop on wood quality and NDT (in planning)

### 3. Discussion

3.1 In regards to how to make IUFRO research group a strong force, several colleagues used European COST Action as an example and suggested that it might be beneficial to introduce COST structure into IUFRO D5. There are concerns that the subject areas of D5 have been going down. Some areas need more leadership.

3.2 There is a strong interest among IUFRO members in getting research papers published through channels like D5 Conference and some RG activities (workshops, symposium etc.). The traditional journal paper review process takes too long to have a paper published. By working with a journal editor/publisher, research group can have some selected papers published in a special issue of a peer-reviewed scientific journal. This would be very rewarding to the authors. Some authors prefer to spending money on publishing papers instead of travel.

Other publication channels like publishing books in special topics could also be explored, books that are independent of journal, but in an academic level. We should also take advantage of some of the current IUFRO publication channels.

3.3 Create a new platform – virtual meeting (webinar). Many colleagues have difficulties to travel to a conference. Organizing some technical meetings, seminars, or workshop through web-casting would be very beneficial.

3.4 IUFRO 2014 World Congress:

- We should have a strong show in the 2014 IUFRO World Congress, make D5 the leaders in the event.
- Coordinate with other divisions, use the platform to promote wood as a modern material
- Some sessions/topics to consider:
  - Wood culture, along with furniture, conservation, historical timber structures.
  - NDT along with tree breeding, silviculture, forest management.
  - Strength utilization of wood by setting up a complete supply chain from forest level, thus optimizing the supply chain.
  - Heat treatment of wood for international trade, invasive species.

Information exchange and networking. Would like the D5 conference organizer to provide a complete list of the attendee list with email address.

### **5.03 (Wood protection)**

5.03.00 Wood Protection Report 2012 IUFRO CONFERENCE DIVISION 5 Forest Products

July 8 -13-Estoril meeting

#### **5.03.00 Wood Protection Report July 13, 2012**

P.D. Kamdem, coordinator

We had six sessions jointly sponsored by IUFRO and IRG during the division 5 IUFRO conference in Estoril, Portugal from July 8 to July 13, 2012. The first session on July 9 was on the Natural Durability with 4 presentations and 40 attendees. This was a very lively session with several questions and answers on the natural durability classification and testing protocols.

The second session on the Emerging Wood Preservatives was very well attended with about 50 attendees in the room interested in knowing the formulations of commercial preservatives. This was on July 10. All the five speakers listed in the program were present. Each session had 5 speakers from a total of 8 countries.

The third session on July 12 on the Recent Developments in Wood Protection was very well attended with between 50 and 58 attendees followed by a very lively question and discussions. Questions on heat treatment as an emerging method for wood protection was at the center of the discussion. The attendees expressed the need to organize a workshop or seminar on heat treatment as a wood protection method.

The fourth session was concurrent to session 3 on July 12 and focused on Emerging Wood Preservatives. About 30 attendees were present.

The fifth session was on the Protection Of Wood Packaging. Six papers were delivered and more than 50 attendees were present. Presentations were focused on the issue of insects-nematodes-bacteria potential contamination from wood packaging and method to control or limit contamination. Attendees suggested that they would like to have more discussion on wood packaging issues in the future due to the role that wood and fibers will play in the international packaging trade.

The sixth session was on the Field Performance Of Treated Wood. About 40 attendees were present. Five out of the six planned papers were presented.

About 30 attendees were present at the business meeting, including representatives from the International Research Group on Wood Protection who collaborated in organizing joint IRG-IUFRO sessions at the conference. We discussed opportunity to form joint sessions at the IUFRO World Congress in October 2014 with possibly Forest Culture, Forest History, Traditional Forest Knowledge, Wood Composites, and Forest Health. Working Party leadership will look into the possibilities. The list of new leadership for 5.03 is below.

- 5.03.00 Wood Protection
  - Donatien Pascal Kamdem, USA (coordinator)
  - Andrew Wong, Malaysia
  - Nasko Terziev, Sweden
  - Marie France Thevenon, France
- 5.03.05 Biological resistance of wood
  - Nasko Terziev, Sweden (coordinator)
  - Jinzhen Cao, China
  - Anna Sandak, Italy
  - Phillipe Gerardin, France
- 5.03.06 Wood protection Quarantine, Food packaging and Trade
  - Magdalena Kutnik, France (coordinator)
  - Donatien Pascal Kamdem, USA
  - Lina Nunes, Portugal
- 5.03.07 Wood protection under tropical environments
  - Marie France Thevenon (coordinator)
  - Andrew Wong, Malaysia
  - Osvaldo Encinas, Venezuela
  - Fatima Charier-El Bouhtoury, France
- 5.03.10 Wood protection for cultural artifacts
  - Wibke Unger, Germany (coordinator)
  - Donatien Pascal Kamdem, USA
  - Geoffrey Daniel, Sweden
- 5.03.11 Wood protection by surface finishing
  - Marie-Pierre Laborie, France (coordinator) Deputies TBA

Addendum: Report of TWO technical sessions moderated by MF Thevenon

Submitted by MF Thevenon

1. Natural Durability session: 09/07/2012, 1-3 pm

In this session (IUFRO – IRG) 4 papers have been presented. Amongst then, 3 papers have been included in the IRG data base:

Wong et al. Classifying white rot and decay resistance of some hardwoods from Sarawak and peninsular Malaysia and correlations with their tropical in-ground durability. OP020 – IRG/WP 12-10788

Thevenon et al. Investigation on the durability of two secondary species (*Pinus halepensis*, *Pinus uncinata*) within the scope of the European natural durability standards revision. OP 021

Duarte et al. Decay factors in termite in-ground baiting systems. OP 022

Maeda and Ohta. Analysis of decay progress anisotropy by X-ray computer tomography. OP 023 – IRG/WP 12-0501.

The paper by Nurudeen et al (OP024) was postponed.

No major question was raised from this session. No proposal for a keynote, a special session was done.

The following table includes the name, affiliation and e-mail of the participants.

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## 2. Field performance of treated wood session: 13/07/2012, 10-12 am

In this session (IUFRO – IRG) 5 papers have been presented. Amongst then, 3 papers have been included in the IRG data base:

Bok et al. Mould growth on wood based materials – a simulated in-service study. OP 250 – IRG/WP 12-20503

Lim et al. Serviceability of wooden guardrail members in the end-use condition. OP 251

Kamden and Smith. In-service quality assessment of micronized copper and other preservative treated wood posts. OP 252

Jankowski et al. Effectiveness of CCA-C and CCB preservatives after 30 years stake test. OP 253 – IRG/WP 12-30606

Fredriksson et al; The effect of moisture content of water trapped in wood joints. OP 255 – IRG/WP 12-406013

The paper by Anwar et al (OP254) was postponed.

No major question was raised from this session. No proposal for a keynote, a special session was done.

The following table includes the name, affiliation and e-mail of the participants.

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#### **5.04 (Wood processing)**

Reported by: *Prof. M.C.Barbu / Dr. J.Ratnasingam*

#### **IUFRO RG 5.04.00 Business Meeting and Technical Sessions - Report**

Prof. Barbu, as the new coordinator of this RG called the Business Meeting on July 10th.

He gave background information about IUFRO 5.04.00 Research Group within Division 5 "Forest Products". He also reviewed together with other two deputies some of the activities carried out in this research group over the last 2 years, since the last IUFRO World Congress in Seoul (2010), after he got this position. Also the deputy coordinators of this RG, Dr. Ratnasingam, participated together with the Coordinator of Working Party 5.04.08, Dr. Hernandez, at this meeting. From the 12 participants (5 officers, coordinators and deputies) at this meeting only three scientists from Italy and France were interested to follow this meeting, and may be supporting this RG as volunteers for the future period of time. The location and preparation work for the next IUFRO World Congress meeting in 2 years was stated by Dr. Jamie Barbour one of the Division 5 officers. Also Dr. Dave Cown, the main scientific organizer also of this World Conference and officer of this IUFRO Division participated.

One of the main discussed topics was the reorganization of this RG and its four WP. On the one hand deputies of WP are not and involved in any type of activities and on the other hand some WPs are much more active. One of the proposals agreed during this meeting was to reduce the number of WP deputies from two to one and eliminate immediately the deputies without response, activity or feed-back since more than one year.

One other proposal was an urgent recounting of the WP's and may be the provisional merging in only two of them like "Primary Wood Processing" and "Secondary Wood Processing". However, this is yet to be confirmed.

For the technical sessions of RG 5.04.00 during Prof. Barbu selected together with a very few no. of the WP deputies from close to 60 submitted abstracts, 30 of them for oral presentations within five sessions and four posters.

A total of 24 oral presentations were delivered in all five sessions dealing with "Adhesives And Surfaces" (5 orals / 47 participants), "Drying" (5 orals / 23 participants), "Sustainability" (5 orals / 45 participants), "Sawing, Milling Machining" (6 orals / 25 participants) and "Processing Of Plantation Wood" (5 orals / 22 participants) covering different aspects of the scientists work from fundamental to applied research. Each session had an impressive no of participants, about 160 (see before the no. after the name of session) from different countries of all continents.

Prof. Barbu mentioned for the RG5.04.00 during the Business Meeting of the whole Division 5 on 13<sup>th</sup> of July that:

1. RG 5.04.00 had an important contribution to the success of the largest IUFRO World Conference of Division 5
2. RG 5.04.00 needs urgently to be resized, renumbered and refreshed with new deputies in order to be able to support well the IUFRO World Congress in 2014
3. RG 5.04.00 sponsored seven conferences, conventions, workshops and training schools in three continents and also published reports about these in main international journals.
4. One of the success keys of IUFRO strategies for the young scientists' generation is to reintroduce the peer reviewed proceedings of the oral and poster presentations due to the changed criteria and huge pressure for academia, scientists and researchers.

*Estoril, 13.07.2012*

#### Addendum to 5.04 - further decisions made at a conference in Beijing, 27-31 August 2012

1. WP5.04.06 (Wood Drying) – very active but does not participate in D5 conferences. Has recently promised to try to coordinate activities better. (D. Cown). Diego Elustondo (coordinator) will look for replacement deputies.

2. WP5.04.07 (Adhesives and Gluing) – replace all deputies with new names. Recruit Fatima Charrier-El Bouhtoury (France) as deputy.

3. WP5.04.13 (Industrial Engineering, Operations Analysis and Logistics) – replace all deputies. New deputy recruited – Manfred Gronalt (Austria)

4. The 5.04.00 group proposes to IUFRO-HQ to re-align the numbered codes for the WPs to be as:

5.04.01 (Wood Drying), 5.04.02 (Adhesives and Gluing), 5.04.03 (Sawing, Milling And Machining)

5.04.04 (Industrial Engineering, Operations Analysis and Logistics).

### **5.05 (Composite And Reconstituted Products)**

## **IUFRO WG 5.05.00 Business and Technical Sessions Report**

**Submitted by Salim Hizioglu, Coordinator**

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Salim Hizioglu, Coordinator of Working Group 5.05.00 - Composites and Reconstituted Products called business meeting at 5 p.m. A total of 12 people were present at the meeting. Salim Hizioglu gave background information about IUFRO 5.05.00 Working Group within Division 5, Forest Products. He also reviewed some of the activities carried out in the working group last 2 years in the form of Power Point presentation. Some of these activities include:

1-Workshop on Basics Of Wood Chemistry And Surface Modification. Salzburg, Austria in April 2012.

2- Wood-based Panels Technology training, Thailand, March 2012.

3- Conference on Processing Technologies For The Forest and  
Bio-based Products. Salzburg, Austria, October, 2010.

He also announced that 11. Pacific Rim Bio-based Composite Symposium will be held  
November 27-30, 2012 in Shizuoka, Japan and distributed flyer of the Symposium to the  
audience.

Salim Hiziroglu mentioned that Dr. Tatsuya Shibusawa from Tsukuba, Japan would like to step down  
from his Deputy position due to his busy schedule. Therefore this position needs to be filled in near  
future. Salim Hiziroglu asked to the audience for people who are interested in serving in working group  
as Deputy. Further nominations for such position will be considered. He also briefly discussed about  
upcoming IUFRO Congress which will be held in Salt Lake City, Utah, USA in 2014. (Dr Lee Sun-Young,  
South Korea, was recruited as replacement deputy on 5 October 2012)

Three technical sessions of our group were held on Monday, Tuesday and Wednesday having a total of  
12 oral presentations covering different aspects of engineered biocomposite materials manufactured  
from wood and non-wood resources within the perspective of sustainability and non-conventional  
aspect. Main themes of the presentations were in various areas, namely using waste material from  
processing in panel manufacture, converting alternative lignocellulosic resources such as rice husk,  
coconut, palm, bamboo and wheat straw into value-added products and development of wood plastic  
composites and molded materials during the conference. Numbers of participants of the sessions were  
44, 24, and 20 for the first day, the second and the third day, respectively.

In addition to oral presentations 48 poster presentations were also delivered within 5.05.00 during the  
conference. Poster sessions were displayed in specified area and scheduled time so that presenters had  
opportunity to discuss with interested parties. Two of the posters had bronze and silver awards.  
It was mentioned that location of the next Division 5 meeting is not known at this point.  
Meeting adjourned at 5:40 p.m.

#### **5.06 (Properties and utilization of plantation wood)**

##### **IUFRO Research Group 5.06 Business Meeting**

**Held during the 2012 Division 5 Meeting, Lisbon, Portugal**

**10 July 2012 (17:30-18:30)**

Submitted by: Roger Meder, Coordinator

**Present:** Roger Meder, PK Thulasidas, Jose Nivaldo Garcia, Barbara Ozarska, Gilles Chaix, Geoff Downes

**Apologies:** Yin Yafang

**1. 2012 Division 5 Meeting** At the 2012 meeting a total of five (5) sessions were held within RG 5.06 including a session on Teak and a session on Lesser Known Species, both of which were well attended. It was noted that a total of 5 (and possibly 6) presentations scheduled for these sessions were absent – effectively one entire session did not present. This had implications for attendees who were often swapping between the concurrent sessions who occasionally missed their intended presentation due to an earlier presentation being absent. It also meant that presentations that were declined oral presentations could have been accommodated. There was some discussion as to how to remedy this situation, but considering oral presentations were only accepted after registration payment it was considered that this was the most incentive that could be applied.

## **2. World Congress 2014, Salt Lake City**

Emphasis on alignment to IUFRO Themes in submitting abstracts. Most likely to fit best to the Bioenergy and the Future Resource themes.

## **3. Restructuring of 5.06**

The current three Working Groups in 5.06 are no longer representative of the research efforts of the member organisations. There has also been a lull in activity due to restructuring/redundancies within member organisations (Jun-Li Yang, Eucalypt) and the passing of KM Bhat (Teak) and little activity in the dry-land Working Group. At the same time there is a perception that 5.06 does not encompass the activities in other species (e.g. *Acacia mangium*, poplar, Chinese fir, etc).

RM suggested an alternate split along temperate and tropical/sub-tropical lines. PKT felt that recent reinvigoration of the teak group warrants its retention. Also given the role of eucalypt in the global hardwood estate it is also perhaps important to retain that group and JNG has also recently resolved resource conflicts which means that he is now able to put more effort into the eucalypt group.

Perhaps an "Emerging Species" Working Group could include the other needs as it would allow tropical, temperate, dry-land species to be welcomed to the Research Group. It is still envisaged that Acacia, poplar and fir would be the main species of interest, but would include research efforts in Africa/Central Africa in particular. Certainly there are researchers in Malaysia working on Acacia and rubberwood that would be keen to be involved in IUFRO activities in 5.06.

## **4. Office Holders**

JNG mentioned the need for adequately resourced Working Groups with convenor and at least 2 deputies. The eucalypt group is possibly OK with JNG and RM. PKT mentioned that he has identified candidates willing to fill roles. BO mentioned she would be able to assist and would also nominate others at U Melbourne. The existing dry land Working Group is under resourced but may benefit from restructuring as above.

RM discussed this with YY (**Yafang Yin, Deputy**) before the meeting and YY was in general agreement.

The proposed new structure is then:

5.06.01 – allow to lapse

5.06.02 – Teak

Convenor – PK Thulasidas

Deputies – Gilles Chaix, Henri Bailleres, Mario Tomazello Filho

5.06.03 – Plantation Eucalypt

Convenor – Jose Garcia

Deputies – Barbara Ozarska, Roger Meder

5.06.04 – Upcoming Plantation Species

Convenor – TBD

Deputies – TBD

RM will seek office holders for 5.06.04 and then develop a proposal to forward to IUFRO HQ via Andrew Wong.

Addendum: Minutes of the 5.06.02 (utilization of planted teak).

Submitted by PK Thulasidas, Deputy Coordinator 5.06.02

Date: July 12, 2012 Time: 12.00hrs

Venue: Estoril Congress Center, 2012 IUFRO D5 Conference, Lisbon, Portugal

Minutes of the meeting of IUFRO D5.06.02-Utilisation of Planted Teak

Chair: PK Thulasidas, Dy. Coordinator D5.06.02

Present: Roger Meder, Coordinator, D5.06.00

Invitees: 1) Prof. Mario Tomezello Filho, Brazil

2) Gilles Chaix, France

3) Henri Baillers, Australia

In the outset, PK Thulasidas elaborated the aim of instituting the working party unit D5.06.02 in the IUFRO for getting the focused attention of single species, Teak. The worldwide importance of cultivation/raising plantations of teak as short rotation tropical hardwood in view of dwindling supply of teak from natural forests and the need for protecting the natural teak gene pool was reviewed. In the past, D5.06.02 collaborated with KFRI, India and sponsored two International Teak Conferences, one in 2003 and another in 2007 with wide participation from all over the world with great success. There was a period of inactivity after the death of the Coordinator, Dr. KM Bhat. Now there is a dire need of spreading the activity and collaboration of this unit with fellow scientists and institutions across continents where teak is planted widely and there exists gap in knowledge about the quality and utilization of teak timber from fast growing plantations. This was evident from the 5 oral papers presented in the Session on 'Teak' and 3 posters in this D5 Conference.

In this context, the issue was discussed in detail with Dr. Roger Meder and it was agreed to induct 3 more deputies who are actively engaged in research on Teak in order to cater to the needs of the teak growing countries unrepresented in 5.06.02 and to expand its activities. Hence, a consensus was reached to include Prof. Mario Tomazello Filho from the University of São Paulo, Brazil to represent the Central and South America where 6% of the planted teak forests belong. Prof. Mario is currently serving as the Deputy Coordinator for the unit D5.10.01- Wood Culture. Also decided to induct Dr. Gilles Chaix from CIRAD Forests, France who can represent Europe and Africa with whom a core group of teak researchers from Africa are working and Dr. Henri Bailleres also from CIRAD, now based in Queensland, Australia to represent Oceania to be the deputies for the rest of the term 2010-14. PK Thulasidas agreed to be the Convener for this group to represent Asia. He had individual discussion with these eminent people during the conference and they have given their consent in this regard. The future plan of holding a teak meeting/conference in S. America is also discussed. The need for the Working party D5.06.02 to collaborate actively with other stakeholders like TEAKNET and FAO while conducting teak conferences in future is also stressed and highlighted by PK Thulasidas. The meeting concluded by 12.30 PM.

I am enclosing a brief CV of the above 3 Researchers whose names are proposed as Deputies (CV was downloaded from their parent organizations/IUFRO website, hence not updated).

#### **5.07 (Energy and chemicals from forest biomass) – proposed name change - “Biorefinery”**

Submitted by: Md Sarwar Jahan, in-coming deputy

The Pulp and Paper Business meeting was started at 4.30 pm on 12 July in Estoril Convention Centre with 19 interested persons from all over the continents. Prof Hasan Jameel proposed to change RG group name (5.07) from “Energy and Chemicals from Forest Biomass” to ‘Biorefinery’. All members (100%) voted in favour of the proposal. Under this group ‘Pulp and Paper’ will be one of the new Working Party. Currently the group has no working parties. Participated members in the meeting selected co-ordinator and 3 Deputies for the proposed ‘Pulp and Paper’ working party as follows”

Prof. Dominique Lachenal, Paper School, France, Co-ordinator

Prof Hasan Jameel, NCSU, USA, Deputy Co-ordinator

Prof Jorge Colodette, Brazil, Deputy Co-ordinator

Md. Sarwar Jahan, BCSIR, Bangladesh, Deputy Co-ordinator

All members also proposed Prof. Dominique Lachenal as a Deputy Co-ordinator of RG Biorefinery (5.07). Dr. Dave Cown and Dr .Andrew Wang were also present in the meeting. (Addendum: Jamie barbour is keen to initiate a WP on “Small And Conventional Heat And Power Systems” – quoted by Andrew Wong).

Attendees of the 5.07 Business meeting held on 10 July 2012

Name	Email
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Andrew Wong	awong.unimas@gmail.com

### **5.10 Forest products marketing and business management**

Submitted by Eric Hansen (coordinator)

Congrats again on a super meeting. Here is the basic summary of activities from 5.10.

#### 5.10

- 2 sessions in Estoril with a total of 11 speakers (1 no-show)
- Business meeting had 20+ participants
  - We discussed potential “side” meetings in conjunction with the 2013 Forest Products Society meeting and the 2014 World Congress. This is something we have done a number of times, including a session in Japan prior to the Korea world Congress and a session in Corvallis, Oregon prior to the 2011 Forest Products Society meeting.
- We will plan for more than two sessions at the 2014 World Congress – will explore joint sessions

#### 5.10.01

- 3 session in Estoril, one was joint with 5.03.10, Protection of Cultural Atifacts
- Each session had 5 speakers from a total of 8 countries
- Attendance ranged from 30-55
- Business meeting had 22 atteendees
  - Discussed joint session for 2014 World Congress, possibly with 5.03, 9.03, etc. Howard Rosen will explore the possibilities
  - Discussed having more information about members on IUFRO web page

Eric Hansen

Professor, Forest Products Marketing  
Department of Wood Science and Engineering  
Oregon State University

### **5.11 (Non-wood Forest Products)**

Submitted by: A.L. (Tom) Hammett (Coordinator)

To: IUFRO Division 5 Leadership Team

Copies to: Leadership of Research Group 5.11 Non-wood Forest Products

From: A. L. (Tom) Hammett, Coordinator, Research Group 5.11

Subject: IUFRO RG 5.11 Coordinator's report, Div. 5 World Conference

Date: 16 July 2012

This will serve as my report on the activities of the IUFRO Research Group 5.11 Non-wood Forest Products during IUFRO All Division 5 World Conference; held in Estoril, Portugal: 8- 13 July 2012. As the new coordinator (just appointed in 2011) I have tried to summarize the Research Group 5.11 events during the 5-day conference. I presented many of these comments at the coordinators meeting on Friday 13 July. If I missed an activity pertinent to 5.11 or for further details please contact me.

#### **A. NWFPs Session #1 Monday held on 8 July (in room A-4-6)**

Monday's session was a great success. We had 5 speakers. Attendance was impressive with an average of 50 attendees in the room. We had nearly 50 submissions so there is interest in presenting.

I checked at registration counter and with the AV folks that were collecting the slides for the presentations. I found that two NWFP presenters were "no shows". However, since I had had not heard form these speakers of their arrival at Lisbon, I anticipated them not showing up. So, I planned so that

we used all time we had together productively. The 2-hour time went by very quickly – we had a lot to discuss! After the four presentations, I made a volunteer presentation giving a paper that had been submitted but got lost in the mountain of papers submitted for consideration. This paper on Appalachia NTFPs was presented last, contrasted the other widely dispersed papers (Asia, Europe, etc.). It was used to summarize the issues presented earlier during the session, look for issues missed, and it served as a catalyst for very lively discussion at the end of this session.

We were quite happy with the average attendance during the session - 50 persons. This indicated great interest in NWFPs. While serving as moderator it is always gratifying to look up often during the session and see the room full!

**B. Session #2 Tuesday held on 9 July**

This session held in the very large seminar room (E), which was unfortunate as we only had an average attendance of 15 participants. We had four talks scheduled. But three authors/presenters did not come to the session! One concern was that a missing speaker had deposited her slides with the AV desk - so we had her slides. We hope that there was just a mix up. Knowing that at least one speaker had not arrived at the venue, the day before the moderator persuaded Dr. Madhav Karki, Deputy Director General of ICIMOD (our key note speaker on Thursday from 5.11) to make a presentation about ICIMOD's NWFP research in Nepal. We made the very best of a less than desirable situation. Several in attendance stayed afterwards to speakers and Research Group leadership.

We also luckily had another speaker during the time vacated by the lost speakers. Marion of FSC also stepped in to talk about NWFPs certification – a timely issue. We discussed having certification be part of a future meeting.

**C. Keynote address by Dr. Madhav Karki, Deputy Director General of ICIMOD**

To raise the awareness of NWFPs in IUFRO we requested and got approval for a keynote on NWFPs, and nominated Dr. Madhav Karki to present the paper. His talk was well attended for such an early hour (8:30 AM!). The talk was well received – well over 150 attended. At the end of the talk there were some very good questions, and several delegates greeted Dr. Karki with comments after the talk.

**D. Minutes of the Research Group 5.11 Business Meeting held on 12 July**

During the business meeting we had 11 persons in attendance. All were active in the discussion. Many volunteered or were receptive when asked to take on leadership roles or gave suggestions for future activities, and working groups in our Research Group.

**1. Research Group Leadership**

On the eve of the All Division Five conference three members resigned from their deputy positions – two deputies from Working Groups and one from the Research Group. So right away we sought to address the need to fill these vacancies. As it turned out we were able to entice volunteers from those in attendance to fill two of these vacancies.

Dr. Sarah Workman a deputy of the plants working group sent word to IUFRO that she needed to resign from the Edible Plants Working Group. During the 5.11 business meeting Ms. Ofelia from Portugal volunteered to fill this edible plants working group deputy position.

Dr. Ghiridhar A. Kinhal from Nepal has served as a deputy in the medicinal plants working group and has moved on to another position. Dr. Karki confirmed that he would no longer be able to serve. During the 5.11 business meeting Ms. Zuraida, at the Center for Productivity Forest Research and Development, Forest Research Development Agency (FORDA), Ministry of Forestry, Republic of Indonesia volunteered to replace him as deputy in Medicinal plants.

Paul Vantomme at FAO resigned his position as deputy for the 5.11 Research Group. We are looking for suggestions as to who will fill this position.

## **2. Introducing the 5.11 Newsletter or Research Notes**

Hammett volunteered in 2011 to coordinate and edit a 5.11 newsletter, but only had 2 submissions. It was suggested that the groups and colleagues submit short summaries (abstracts) of ongoing research, and information on new articles, or other publications. The group expressed interest and promised to submit contributions. August 15 was set as a date to gather submissions. Madhav Karki confirmed that ICIMOD would support the planning and distribution of the newsletter at least through the end of 2012.

## **3. Plans for World IUFRO congress in Salt Lake city 2014**

Key points raised:

- We wish to draw on the local and indigenous resources by visiting related field sites in the area (i.e., Native American use of medicinal plants, and sites related to local use or community management. To do so we need someone to who can locate on the ground to set up appropriate field trips and side events.
- Funding for speakers to attend and present is a continual issue. But several speakers did not show at the conference in Estoril may have had partial funding and were unsuccessful in locating the remaining funding they needed.
- The USDA Forest Service provides an important source of funding to support travel for speakers at IUFRO conferences. How can we help continue the funding available from the USFS for presenters, especially for those from outside the USA?

Andrew Wong is the representative from Division 5 to the organizing committee for the World Congress in 2014. He will be our advocate for our proposals for sessions at the upcoming World Congress.

## **4. Discussion about future meetings organized to focus on NWFPs**

One suggestion is to hold a 5.11 conference on NWFPs in Poland (focused on mixed NWFPs?). Another suggestion is to host a meeting in Portugal (focused on cork?). There also is interest in holding a conference Asia (focused on industrial crops – rubber, etc.?) – all of these meetings will be open to participants from outside the region and the research group.

We need to seek co-sponsorships with other organizations that are organizing conferences and workshops related to NWFPs. This would raise awareness about our NWFP research and development work and help encourage others to attend our sessions.

## **5. Proposal to add new working groups under Research Group 5.11**

We discussed adding three new working groups. This would help us generate more interest in NWFPs and garner more presenters at future meetings.

- We saw a great deal of interest in Cork at this Div. 5 conference. Hence several participants at the meeting thought it would be a good to organize a new working group would be focused on **Barks** (including Cork!). Hellenia Pereira of Portugal was asked to head this new working group!
- We saw the need to focus more on a group of **Industrial Extract Products** that are often forgotten not just in NWFP circles – rubber, palm oil, and other extracts. Hence we

would like to add a second proposed working group would focus on extracts (Arsenio Ella from the Philippines was asked to head this new working group)

- Our discussion also brought out a third area that we feel needs to be addressed – **Ecosystem Services** (carbon, biodiversity, water). We don't have a volunteer to head this proposed new working group.

We decided that, if approved, these three new working groups should attract new researchers to IUFRO, and encourage more attendance at future conferences.

Questions from the NWFP research group:

- How can we access private sector sources for support?
- How can we raise the awareness of NWFPs? The keynote will help draw attention as over 150 participants attended!
- How do we add three or four more working group?

#### E. General issues and opportunities

Here are some suggestions and comments that I heard during the conference that may be helpful in planning future conferences.

- In the future we should find ways to help the authors let us know if they are not going to come and present.
- A message board would help speakers and moderators communicate!
- There were separate groups focused on Cork and many papers in other sessions focused on bamboo.
- Perhaps there is opportunity for cross over with other groups (i.e., those groups interested in sustainability)
- How do our ideas fit into the congress themes? It is difficult for us to know how to share our proposals between research groups in Division 5 – but more importantly with other Divisions.
- Jamie Barbour at the coordinators meeting suggested that we set up a “share point site” (online) for sharing ideas and encouraging collaboration on proposals for 2014. (This suggestion made a lot of sense to those I spoke with after the meeting!)
- Need to take advantage of the momentum from this very successful NWFP sessions and the high attendance for the conference as a whole.
- Need color contrasting program – avoid faint shade ink printing
- In the future have the abstracts on a memory stick. (Was there to be a CD of abstracts for this conference?)
- Provide list to moderator of those who are really coming to present?

If you have questions, suggestions or comments, please get in touch with Tom Hammett – himal@vt.edu

### **5.12 Sustainable Utilization Of Forest Products**

Submitted by Jamie Barbour (for Bob Deal, coordinator)

#### **Research Group 5.12 Report from the D5 Congress in Estoril, Portugal July 5, 2012**

Research Group 5.12 Sustainable Production of Forest Products held three sessions at the Congress. Each was attended by 30 to 40 people with the lowest attendance on Friday with just over 30

participants. Two speakers did not turn up for one session and one did not participate in another session. Even so, the new system of requiring speakers to register and pay for the Congress before their presentations are included in the final program worked very well and there were far fewer holes in the program than at past Congresses. At the next Congress the Scientific Committee should provide instructions on how to handle missing speakers so that concurrent sessions do not get out of synchronization. When this happens it makes it impossible for participants to move from one session to another to see the presentations they are interested in.

Six people participated in the 5.12 Business session and most of the time was spent discussing potential topics for sessions for the World Congress in 2014. The following list summarizes the discussion of possible topics for sessions. The 5.12 leadership will follow up on this list and identify the top two or three topics to submit to the World Congress Scientific Committee.

1. Session on wood institutes that work on sustainability.
2. Use of local materials in the home building sector.
3. Utilization of wood to support ecological objectives for forests.
4. Importance of including local communities in forest management decisions for the success of sustainable management of forests.
5. Influence of energy policies on the selection of wood energy options (comparison of outcomes in various countries or trade zones).
6. Future land use options and the role of timber products in keeping forests as forests.
7. Tradeoffs among development, food production, biodiversity and forestry.

#### **5.14 (Forest Products education)**

Submitted by Rupert Wimmer (Coordinator)

##### **5.14 Forest Products Education Report**

The „forest products education“ group requested and held one 120 minutes session, which was co-organized with SWST (Society of Wood Science and Technology). The session attracted between 30-50 attendees. Six speakers covered a wide range of education topics, starting with Siegfried Lewark, who gave a keynote on “Competences and Careers - Outcomes of Study Programmes in Wood Science and Technology”. This was followed by talks given by two students, Carola Link from University of Goettingen, Germany, and Josef Weissensteiner from BOKU Vienna, Austria. Laurie Schimleck outlined developments and challenges in wood science education at Oregon State University. Tom Hammett talked on how to engage students in sustainability at Virginia Tec, and finally Victoria Herian rounded up with remarks on the role of SWST as a bridge linking academia, community, industry and government. Overall, talks have provoked lively discussions; an address list was also circled for further initiatives.

5.14 Forest Products Education also held a business meeting, which was attended by 11 people. The individuals first introduced themselves and reported about wood education issues at their own university, as well as on development in their country. Topics ranged from how to attract students, to name and curricula changes, to the future positioning of forest products education programs. The business session was followed by a voluntary “focus group discussion”. The discussion was initiated and hosted by Siegfried Lewark, all oral contributions were recorded and they are currently transcribed and evaluated.