



Third Meeting of the Steering Committee of COST-Action FP0802

Agenda

1. Adoption of Agenda
2. Adoption of Minutes of 2nd SC Meeting
3. **Final publication**
4. Report of Action Chair
5. Report of Grant Holder
6. Activities in 2011 & 2012
7. Next meeting
8. AOB



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3) Final publication

- Special issue of Holzforschung?
- Topics?
 - **methodological grouping**: micro-characterization techniques, example applications and recent achievements
 - **thematic grouping**: articles dealing with different aspects of micro-structure-function relationships (probably more difficult to establish)
- Schedule:
 - contact possible authors immediately
 - arrange matters with editor/publisher
 - collection of papers by June 2011 (one year before end of Action)

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4a) Current status of acceptance of MoU

Signatures	MC members
Austria	Karin HOFSTETTER
	Stefanie TSCHEGG
Belgium	Joris VAN ACKER
Czech Republic	Petr KONAS
Denmark	Staffan SVENSSON
	Lisbeth THYGESEN
Finland	Ritva SERIMAA
	Pekka SARANPÄÄ
France	Oliver ARNOULD
	Xavier FRANK
Germany	Michaele EDER
	Uwe SCHMITT
Greece	Vasiliki GOUNTSIDOU
	Hariton POLATOGLU
Hungary	Levente CSOKA
	Ilona PESZLEN

Italy	Marco FIORAVANTI
Latvia	Vladimirs BIZIKS
Lithuania	A. BALTRUSAITIS
	A. LAURINAVICIUS
Netherlands	Wolfgang GARD
	Andre JORISSON
Norway	Geir VESTOL
	Jan BRAMMING
Poland	Wieslaw OLEK
	Edward ROSZYK
Portugal	Jose LOPES MORAIS
Serbia	Ksenija RADOTIC
Slovenia	Igor DOBOVSEK
	Ales STRAZE
Spain	Teresa CUBERES

4a) Current status of acceptance of MoU

Sweden	Kristofer GAMSTEDT
	Lennart SALMEN
Switzerland	Parviz NAVI
	Peter NIEMZ
Turkey	Ibrahim TUMEN
United Kingdom	Michael JARVIS
	Callum HILL

Non-COST participants:

Scion (NZ)	Christopher LENTH
University of Canterbury (NZ)	Clemens ALTANER
IREQ (Hydro-Quebec Research Center) (CA)	Louis GASTONGUAY

4b) Report of workshop in Stockholm

Workshop on “Single fiber testing and modeling”, November 4-5, 2009, Stockholm, Sweden

- organized in cooperation with industrial cluster project on “paper mechanics” at Innventia AB (Lennart SALMEN, Petri MÄKELÄ)
- 63 participants from 16 different countries (24 ESRs)
- 11 invited lectures and 15 poster presentations ...
... on current status in methods for mechanical tests of single fibres from various sources and problems associated with such measurements
- highlights
 - bringing together most **renown experts** in the **field** for keynote lectures
 - narrow thematic focus → **active interdisciplinary exchange** and knowledge transfer due to good common knowledge base, **in-depth discussions**
 - closing up with **industry**

4b) Report of joint focussed meeting in Krakow

Joint focussed meeting “modeling mechanical behavior of wooden cultural objects”, April 12-13, 2010, Krakow, Poland

- Organizers: Michal LUKOMSKI (IE0601)
Kristofer GAMSTEDT (FP0802)
- 20 participants from both Actions and 12 additional participants from 11 countries
- highlights:
 - interdisciplinary exchange, identification of **practical applications** of micro-characterization techniques in wood conservation
 - **insight** into problems and capabilities of the (other) involved research fields
 - establishment of **new contacts** and many ideas for **cooperation across Action and disciplinary borders**

4b) Report of training school in Potsdam/Golm

Training School “Experimental techniques”, May 31 – June 4, 2010,
Potsdam/Golm, Germany

- Organizer: Michaela EDER
- 19 applications from 10 countries (16 ESRs)
12 trainees from 9 countries (11 ESRs)
9 trainers from MPI of Colloids and Interfaces
- intensive and individual experimental training on
 - electron microscopy
 - experimental micromechanics (e.g. single fiber testing)
 - X-ray techniques
 - spectroscopy
- Highlights
 - **hands-on training**
 - **small group** – intensive exchange with trainers and other trainees
 - **big variety** of experimental characterization **techniques**

4b) Report of workshop in Hamburg

Workshop “wood structure/function-relationships”, October 5-8, 2010, Hamburg, Germany

- Organizer: Uwe SCHMITT
- 39 abstracts submitted, review by WG Leaders
- final scientific program consists of
 - 3 keynote lectures
 - 26 oral pres. at workshop / 5 oral pres. at WG meetings
 - 10 poster presentations at workshop
- **84 registered participants** from 21 different countries
 - 36 Early Stage Researchers (43 % of all participants)
- Highlights:
 - **tutorial** on X-ray micro-tomography
 - **contributed WG-presentations** – new presentation format, much time for in-depth discussions, strong thematic focus possible

4c) Website

- **internal area**
 - user name: **costaction**, password: **!fp0802!**
 - literature for Spring School
 - STSM reports included
 - documents of coordinated research efforts
(*to be included – ideas how to collect?*)
- **conferences of interest** – details of 4 events provided
(*shall we keep it?*)
- **database for scientific publication** – not available yet –
(*should we push and install it?*)
- **methods & equipment database (Google Docs)**
 - initiated and maintained by Oliver Arnould
 - **advertisement!!**

4d) STSM

- open system for applications: 7 STSM approved
- call 1: 6 STSM approved
- call 2: 1 STSM approved
- call 3: 2 STSM applications

- review of
 - Call system ... Should it be continued?
 - Evaluation procedure
 - General feedback
 - **Advertisement ... how to increase number of applications?**

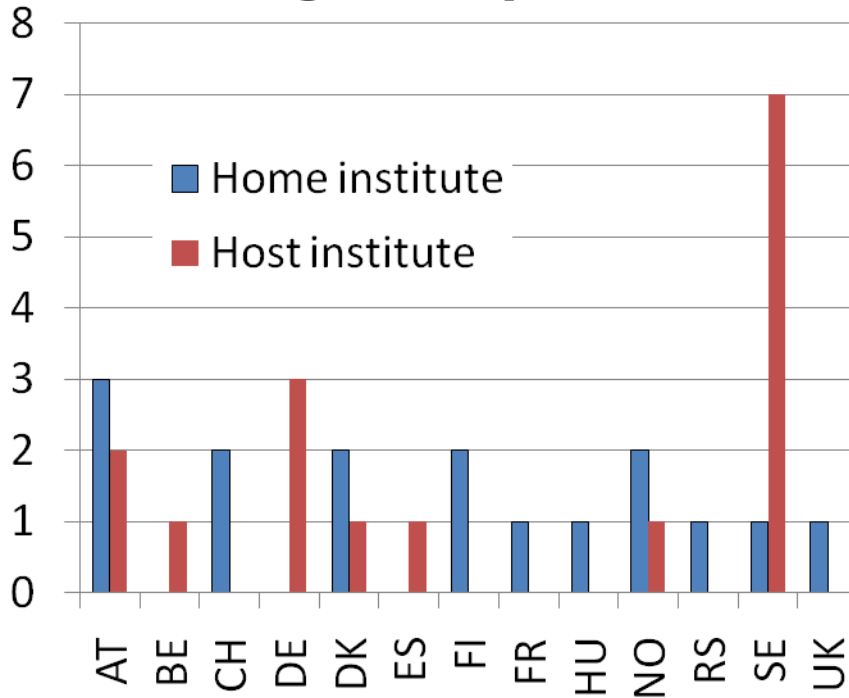
- next calls in 2011 & 2012

- budget

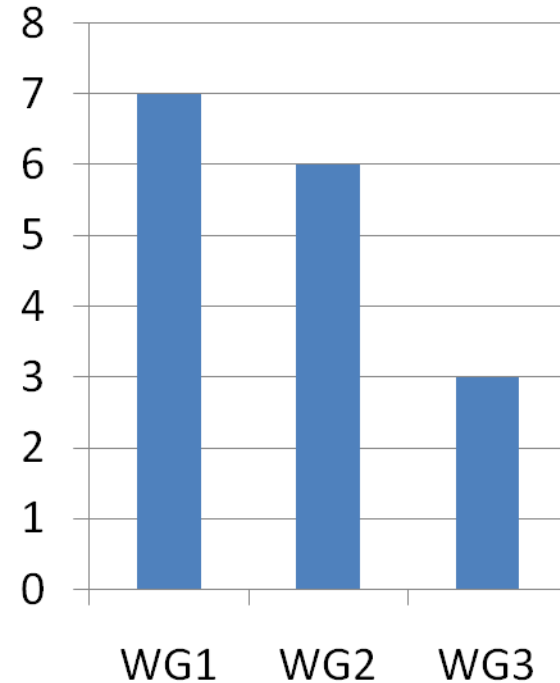
4d) STSM

Some statistics

Regional spread



WG spread



4e) Coordination/interaction with other Actions

- **E54** 'Characterisation of the fine structure and properties of papermaking fibres using new technologies' (2006-2010)
*short presentation about FP0802 at workshop in Grenoble October 2009,
 final conference in Cambridge on March 22-24, 2011;
 plans for new COST Action proposal (pushed by P. Ander): **Determination of the impact of genetics, environment and manufacturing processes on wood cell ultra structure, biopolymer interactions and composition of ligno-cellulosic materials***
- **FP0602** 'Biotechnology for lignocellulose biorefineries' (2007-2011)
unfortunately all activities (and budget) planned already
- **FP0904** "Thermo-hydro-mechanical wood behaviour and processing"
 (2010-2014)
cf. potential activities in 2011/2012
- **Other Actions?**

4f) FPS Annual Progress Conference 2010

Annual report at DC FPS meeting on March 3-5, 2010

Evaluation statement by DC:

*“The DC noted that the Action is **running very well**. The DC felt that the Action is outstanding with respect to the **extremely high level of enthusiasm** and the **level of engagement** and **presentation of new ideas** by members of the Action. The DC also commended the **high number of ESRs** and especially the excellent **networking** both among ESRs and between ESRs and established researchers, noting that this is a great strength of the action. The **high industry participation** as well as the high participation of **institutes from non-COST countries** was also praised by the DC. The DC noted the budget pressures caused by the high number of STSMs and **commended the Action’s commitment to STSMs.**”*

following the presentation at the DC meeting an **additional budget of € 15,000** was granted for **2010**

4f) FPS Annual Progress Conference 2011

- FPS Annual Progress Conference (venue t.b.a., March 1-3, 2011)
- Annual Progress Report

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5a) Action budget (Jan – Dec 2010)

A. SUMMARY BUDGET

(1a) Travel/hotel/grant for joint meeting (Krakow)	€ 8,638.71
(1a) Workshop support grant	€ 330
(1b) Travel/hotel for annual workshop (Hamburg)	€ 52,000
(1b) Workshop support grant	€ 2,520
(2) Short-term scientific missions	€ 10,135 <i>Call 3 € 3,013</i>
(3) Travel/hotel for Training School (Golm/Potsdam)	€ 7,586
(3) Training School support grant	€ 450
(4) Dissemination – publications	€ 0
TOTAL SCIENCE EXPENDITURE	€ 84,672.71

B. SECRETARIAL SUPPORT

15 % of total science expenditure	€ 12,700.91
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C. TOTAL EXPENDITURE

€ 97,373.62

5b) Experience with Grant Holder system

- ☺ system is quite easy to handle
- ☺ payments can be immediately processed
- ☺ all information available in one system
- ☺ nice to be more in contact with people involved in the Action

- ☹ people have problems in downloading reimbursement forms; no access for Grant Holder
- ☹ a lot of work to be done



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6a) 2011 – Annual workshop

Main workshop, 2011, Helsinki, Finland

- Organizers: Pekka SARANPÄÄ, Ritva SERIMAA
- Suggested dates: Aug 24-25 – **conflict** with cellulose materials meeting in Stockholm (Aug 31 – Sep 2)?
- Suggested format: two days meeting,
 - **selected papers** during **morning** sessions,
 - short **poster** presentations and **discussions** during **afternoon** sessions, **also** on **WG level**
 - short **MC meeting** on either day in **late afternoon**
- **Only posters** for 'normal' participants?
- Similar to workshop in Stockholm, which, however, was **thematically very focused!**
- **Tutorial? Contributed WG presentations?**

6a) 2011 – Training school

Training School “X-ray microtomography”, summer 2011, Jyväskylä, Finland

- Organizer: Markku KATAJA / Kirsi MANNINEN
- in conjunction with the well-established **Jyväskylä International Summer School** (they have a series of summer schools every year, located at physics department; also X-ray microtomography was the topic of a school already)
- focus on applications of X-ray microtomography on heterogeneous materials, such as wood and wood-based composites etc.
- advantage: We could make use of a professional organizing team
- *Jyväskylä University is interested, but no definitive decision is made yet*

6a) 2011 – Thematic meeting

Thematic meeting, 2011, Vila Real, Portugal

- Organizer: Joao PERREIRA / Jose MORAIS
- Suggested dates: Apr 18-21, Apr 26-29, (Sep 5-9)
- Suggested format: two days meeting, including WG meetings
- Suggested topic: "Mixed numerical and experimental methods applied to the mechanical characterization of bio-materials"

benefits and problems of combined methods for the study of wood and possibly also more general to bio-materials (e.g. micro-spectroscopy, mechanical tests in ESEM, but also combining numerical and experimental techniques as it is done in DIC-techniques for strain measurement)

6a) 2011/2012 – Thematic meeting with FP0904

Thematic meeting joint with COST Action FP0904, Montpellier, France

- FP0904 – ‘Thermo-Hydro-Mechanical Wood Behavior and Processing’ (Chair Parviz Navi)
- Organizer: Joseph GRIL
- Suggested dates: late 2011/early 2012
- Suggested format: ??
- Suggested topic: "Characterization and modeling of thermo-hydro-mechanical behavior of wood" – or more focused

Ad 6a) Action budget planning (Jan – Dec 2011)

A. SUMMARY BUDGET

(1a) Travel/hotel/grant for thematic meeting (WG-Meeting) (Vila Real)	€ 22,540
(1a) Workshop support grant	€ 690
(1b) Travel/hotel for annual workshop (WG-&MC-Meeting) (Helsinki)	€ 46,000
(1b) Workshop support grant	€ 1,380
(2) Short-term scientific missions	€ 15,000
(3) Travel/hotel for Training School	€ 10,960
(3) Training School support grant	€ 510
(4) Dissemination – publications	€ 0
TOTAL SCIENCE EXPENDITURE	€ 97,080

B. SECRETARIAL SUPPORT

15 % of total science expenditure	€ 14,562
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C. TOTAL EXPENDITURE

€ 111,642

Ad 6a) Action budget planning (Jan – Dec 2011)

- Thematic meeting (Vila Real, Portugal)
 - 3 nights for 23 participants + € 500 for travel
 - support grant € 690

€ 23,230

- Annual workshop (Helsinki, Finland)
 - 3 nights for 46 participants + € 500 for travel
 - support grant € 1,380

€ 47,380

- Training School (Jyväskylä, Finland)
 - 15 trainees à € 600, 2 trainer á € 980
 - Support grant € 510

€ 11,470

- Short Term Scientific Missions (8 á € 1,875)

€ 15,000

6b) 2012 – Annual workshop (FINAL WORKSHOP)

Workshop

- Organizers: ???
- venue: ???
- theme to be decided on
- including WG- & MC-meetings

6b) 2012 – Training school

Ideas ...

- TS on **inverse analysis**
- TS on **wood modification** (Callum HILL) (instead of their TS planned in framework of E50 on measurement of wood properties)
- KTH in conjunction with the Forest Products Industry College – some **modeling issue**
- possible TS for **Post docs** focussing on **new methods** not applied to wood micromechanics yet, invitation of **external experts** as lecturers

6b) 2012 – Thematic meeting

possibilities

- Focused meeting in Edinburgh
 - biogenetics thematic workshop related to genetics and cell wall generation (a meeting to close up with the genetic people); there are initiatives by Philip Turner (Napier University, Edinburgh) to launch a new COST Action (after the end of E54) in this direction; perhaps focused meeting, also to discuss new Action (perhaps Philip Turner has interest to co-organize?)
- ...



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Steering Committee Meeting

Date/venue:

afternoon before thematic meeting / annual workshop



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