



Welcome to COST Action FP1004 Final Meeting



1. Welcome to delegates





COST Action FP1004 – Final MC Meeting - Delegates



2. Adoption of agenda

- 1. Welcome to participants
- 2. Adoption of agenda
- 3. Approval of minutes and matters arising of last meeting
- 4. Update from Action Chair and Grant Holder
- Financial Report
- Budget status
- 5. Action Achievements
- a. Road map update
- b. Final Evaluation and Report
- 6. STSM Report Kay-Uwe Schober
- 7. Training School Daniel Ridley Ellis
- 8. Promotion of gender balance and ESRs
- 9. AOB
- 10. Close



Agenda – Final Meeting



3. Minutes of last meeting

MC5 - Biel

CG6 – Prague – 13 January 2014

Enhance mechanical properties of timber, engineered wood products and timber structures



Minutes of the 5th Management Committee Meeting

Lecture room C1.05 Bern University of Applied Sciences

24 September 2014

Chair: Richard Harris

Welcome to participants

A total of 27 participants from the following 22 Parties attended the meeting: Austria (AU) - Dr. G. Flatscher, Belgium (BE) - Dr. T. Descamps; Bulgaria (BG) Dr Z. Gochev; Switzerland (CH) Mr. R. Widmann, Cyprus (CY) Mr M. Socratous; Czech Republic (CZ) - Dr. L. Melzerova; Germany (DE) - Prof Kay-Uwe Schober; Greece (EL) - Prof G Ntalos, Dr. M. Skarvelis; Estonia (EE) - Mr Tnis Teppand; Spain (ES) DR J L Fernandez Cabo, Finland (FI) Dr S. Fortino; Croatia (HR) - Mr M. Stepinac; Ireland (IE) Dr Karol Sikora; Lithuania (LT) - Dr. Antanas Baltrusaitis; Former Yugoslav Republic of Macedonia (MR) - Prof. K. Gramatikov; Norway (NO) - Dr G. Glaso; Poland (PL) - Dr. S. Krzosek; Portugal (PT) - Dr. Helena Cruz, Dr. A. Geraldes Dias; Sweden (SE) - Prof R Kliger, Prof. R. Crocetti; Slovenia (SI) - Dr Miha Kramar; Turkey (TR) - Dr. O. Goktas; United Kingdom (UK) - Prof R. Harris, Dr Daniel Ridley-Ellis;

Also in attendance:

Prof Frédéric Pichelin observed the meeting as the FPS Domain Committee Rapporteur.

With 22 of the 26 (85%) Parties having accepted the MoU to date being represented at this meeting, the quorum of 2/3 required under the COST rules (specifically COST 4159/10 Annex II Article 8) was attained.

Adoption of agenda

The Management Committee agreed to adopt the tabled draft agenda without modification.

Minutes of last meeting

Minutes of the previous Management Committee had been circulated by email. The Management Committee agreed to accept the minutes without modification.

3.1 Matters arising

There were no matters arising in the minutes of the previous meeting

4



Enhance mechanical properties of timber, engineered wood products and timber structures



The Chair reported on discussions, decisions and actions from the Core Group Meeting CGM4, held in Biel immediately prior to this MC meeting.

- Report from the COST Office
 - News from the COST Office

Nothing to report

Update from DC Rapporteur, Prof Frédéric Pichelin

On behalf of the MC, the chair welcomed Prof Frédéric Pichelin who attended the meeting as DC Rapporteur for the COST Action FP1004. Prof Pichelin made reported on various items of COST policy, which should be reflected by the activities of the COST Action:

Prof Pichelin noted that his appointment as DC Rapporteur would cease at the end of September 2014. Arrangements for reviewing COST Action activities would change from this date. He reported that in the final review of the COST Action, success would be evaluated through achievement of:

- good cooperation
- good use of COST tools
- National and International project collaboration

New COST Action rules would begin in March 2015 and in future there would be no continuous monitoring from a rapporteur. Monitoring would be carried out by the Science Officer.

Prof Pichelin gave information of how proposals for new COST Actions would be assessed.

- expert reviewers would be appointed.
- the 6 domains would be similar to Horizon 2020 priority areas
- 6. Update from Action Chair

6a Status of Action, including participating countries

Membership of COST Action FP1004 is now 26 COST Action Countries and 3 non-COST countries.

6b. Financial Report

- Budget Status





Enhance mechanical properties of timber, engineered wood products and timber structures



The Scientific Budget for the year 2013-14 was €135,826 which was underspent by €24,151. The underspend cannot be carried over. The scientific budget approved by the COST Office for 2014-15 is €147,918. Due to a difference between the Contract Year and the COST Action Year, the final year is shorter that previous years (the end date is 29 May) and the budget had been reduced. A successful request was made by the COST Action Chair to the Cost office management to reinstated the full year's budget.

Underspend is largely due to invited delegates not attending meetings.

- Action Budget Planning and allocation. 1 July 2014- 29 May

The Budget submitted to the COST Office for Grant period: 1 July 2014 – 29 May 2015. Allocated budget: €157,700. This sum is the budget allocated based on number of parties and length of COST Action (the last year is only 11 months). The higher sum shown in "below is approved by COST management.

A. SUMMARY BUDGET

(1) MEETINGS	€111,240
(2) SHORT-TERM SCIENTIFIC MISSIONS	€ 12,000
(3) TRAINING SCHOOLS	€ 19,700
(4) PUBLICATIONS, DISSEMINATION, OUTREACH	€ 4,978
(5) OTHERS € 0	
B. TOTAL SCIENCE EXPENDITURE (sum of (1) to (5))	€147,918
C. Financial & Scientific Administration and Coordination (max. of 15% of B.)	€22,187
D. TOTAL EXPENDITURE (B+C)	€170,105

The breakdown of the forthcoming activities was presented:

MEETINGS

Management Committee Meetings

Title: Joint Management Committee Meeting MC5 and Timber Bridge Conference Location: Biel, CH



Enhance mechanical properties of timber, engineered wood products and timber structures



Date: September 2014, (3 days) (the MC is one day but it will held on the same day as WG3 meeting and will precede the bridge conference – see Workshops and Conferences below)

Number of participants to be reimbursed by FP1004: (see Workshops and

Conferences)

Travel costs: (see Workshops and Conferences)

Organisational support: (see Workshops and Conferences)

Title: Joint Management Meeting MC6 (including Final Evaluation Session) Co-Located with Final Conference

Location: In a COST Member Country or Cooperating State participating in the Action, preference will be given to COST Inclusiveness Countries,

Date: March 2015 (see Workshop and Conferences)

Number of participants to be reimbursed: (see Workshop and Conferences)

Travel costs: (see Workshop and Conferences)

Organisational support: (see Workshop and Conferences)

Working Group Meetings

Title: Work Group 1 - Bonded Rods Task Group

Location: in a COST Member Country or Cooperating State participating in the Action, preference will be given to COST Inclusiveness Countries

Date: December 2014, (1 day) Number of participants to be reimbursed; 6

Travel costs: €4,200 Organisational support: 0

Workshops and Conferences

Title: Co-located MC5/Conference; joint Conference with FP1101

State-of-the-Art Timber Bridges Conference

As there is some overlap in membership of the Action and FP1101, the number of delegates for this conference will exceed 45. It is understood that local costs will be paid by one Action - they are budgeted here. It is budgeted that 45 delegates will be reimbursed by FP1004 and additional delegates will be reimbursed by FP1101.

Location: Biel, CH

Date: September 2014, (3 days)

Number of participants to be reimbursed by FP1004: 45

Travel costs: €40,500

Organisational support: €2700

Title: Co-located MC5/Conference/Work Group 3 - Analysis and modelling group

Location: Biel. CH

Date: September 2014, (1 day)

Number of participants to be reimbursed: - (attendees will be MC members

attending MC meeting)

Travel costs: (Workshop & Conferences section above)

Organisational support: (Workshop & Conferences section above)



Enhance mechanical properties of timber, engineered wood products and timber structures



Title: Final Conference

ocation: in a COST Member Country or Cooperating State participating in the Action, preference will be given to COST Inclusiveness Countries

Date: March 2015 (3 days)

Number of participants to be reimbursed: 62

Travel costs: €55,800

Organisational support: €3,720

Other Meetings

Core group meeting 7 Location: Bath, UK

Date: January 2015 (1 day) Number of participants to be reimbursed: 6

Travel costs: €4,200

Organisational support: €120



Number: 6 Cost: €12,000

(3) TRAINING SCHOOLS

Location: (agreed to be Portobello, Edinburgh)

Date: January 2015 (3 days) (delayed to April 2015)

Number of Trainees to be reimbursed: 25 Trainees Grants: €15,000 (= 25 x €600) Number of Trainers to be reimbursed: 4 Travel costs: €3,200(= 4 x €800) Organisational support: €1,500

(4) PUBLICATIONS, DISSEMINATION, OUTREACH, WEBSITE

Title: Work Group 1 - Guidelines for bonded rods

Work Group 2 - Electronic publication of Bridge Conference Proceedings

Cost: €4,978

The MC unanimously accepted this budget and breakdown of activities.

7.0 Action Planning (including meetings)

7a Roadmap for COST Action FP1004

The timeline for the completion of the COST Action FP1004 was presented in a "Road Map", which is attached to these minutes.



Minutes of Meeting MC5

Action FP1004

Enhance mechanical properties of timber, engineered wood products and timber structures



7b Location and date of next meeting

Under the topics of WG2, as agreed at Management Committee meeting MC4, a Bridge Conference, held jointly with FP1101, would follow this meeting.

The Final Meeting of the COST Action was proposed as follows:

Title: Final Meeting

Location: LNEC, Lisbon Date: April 2015

Number of participants to be reimbursed: 70 (approx.)

Dr Helena Cruz gave a brief presentation on the proposed venue for the Final Meeting of the COST Action, which would be held at LNEC in Lisbon from 15-17 April 2015.

Dr Daniel Ridley-Ellis gave details of the proposed final training school (on modelling mechanical performance of enhanced wood-based systems) to be hosted by Edinburgh Napier University at Portobello, Edinburgh from 28-30 April 2015. There will be 24 places, funded by COST Action FP1004, available for trainees from the countries represented in COST Action FP1004. All successful applicants will be awarded a lump sum grant of EUR 600 from the COST Action to cover the cost of travel and accommodation. For the COST Action sponsored students, there will be no charge for the course itself. Rules on reimbursement via would be as for previous COST Action FP1004 training schools:

It is anticipated that the course will be over-subscribed and in accordance with COST rules, creation of a reasonable geographical (and gender) balance will be taken into account in allocating the Trainee grants. To ensure the participation of Trainees from all countries, we may consider making two levels of Trainee grant.

Reimbursement will be under normal COST rules with the following additions.

- You must be based in one of the countries that are members of FP1004 http://www.cost.eu/COST_Actions/fps/Actions/FP1004?parties
- 2) Within each country we will apply a first come first served basis. There will be a limit on allocation of Trainee grants to students from any one country, which will be set according the number of applications received. The method of allocation will be:
- i) First to apply from each of the participating countries, then (if budget allows)
- ii) Second to apply from each of the participating countries in application order (if budget allows)
- iii) If budget remains, third, fourth and so on until the budget is allocated.
- 3) The normal level of grant to each course participant is a single sum of is EUR 600 to cover transport and subsistence (including accommodation). For students from Croatia/Turkey/ the former Yugoslav Republic of Macedonia/Bulgaria, we will consider increasing this grant of to EUR 800. There is no fee for the course for COST delegates.



Enhance mechanical properties of timber, engineered wood products and timber structures



If you wish to apply for an increased grant, please contact the organiser and host, Dan Ridley-Ellis via d.ridleyellis@napier.ac.uk.

7c Final Report

There are two parts to the final report. The formal publication would be a special edition of the European Journal of Wood and Wood Products. Papers would be invited that would represent the scope of the work of the COST Action. The Chair presented the proposed papers as shown below:

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Special Solition of European Sourcel of Wood and Wood Products

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There would also be a process of final reporting



Enhance mechanical properties of timber, engineered wood products and timber structures



STSM status, applications

STSM manager Kay-Uwe Schober reported that 7 STSMs were successful completed in 2012-13. Two grants had been made through reciprocal STSMs to New Zealand. which were paid from the COST Office central funds. There had been two applications for STSM Grants in the year 2012-13. The target is 6 per year.

Supervisors of research should promote STSMs to there students. Note that STSMs are not only for ESRs.

Members are encouraged to contact Kay-Uwe as soon as possible if they wish to submit a proposal. The STSMs should be complete by May in order for the finances to be processed in time for the end of this COST Action year.

Robert Jockwar gave an interesting presentation on his STSM experience

Training School

There will be a training school on the topic of CLT, hosted by Roberto Tomasi in Trento. There will be 30 grants for COST Action FP1004 members and these will be distributed to maximise participation amongst all the member countries. This will be held in April 2014 - MC members to look out for notice of the event and encourage ESRs to apply.

Publications, dissemination and outreach activities

Following this review from Prof Pichelin, each member gave a short report on how they were disseminating the work of COST Action FP1004 in their own countries:

Austria - Georg Flatscher

- COST Action FP1004 publications accessible by students
- COST Action FP1004 publications accessible by industry
- Hosting STSM

Belgium - Thierry Descamps

- Hosted COST Action Training School for FP1101 and promoted this
- Published paper on assessment refers to COST Action demonstrating the issue to be Europe-wide
- Book on assessment of timber structures

Bulgaria - Zhivko Gochev

See report below in appendix to these minutes

- Mislav Spepinac Croatia

- Encouraging colleagues to apply for STSM
- Presented to faculty on STSM





Enhance mechanical properties of timber. engineered wood products and timber structures



- Participant in Annual Meeting of Civil Engineers of Croatia
- Attended International Heritage Conference
- Attended Training School in Nantes

Cyprus - Michalis Socratous reported on a number of occasions where he had disseminated information on the activities of COST

- Frederic University informed students to become involved with training
- TU Cyprus, Limassol activities to tell students and staff about COST. - Lenka Melzerova

Czech

See report below in appendix to these minutes

Denmark.

- emails from Peder Fyholm and Olga Popovic Larsen
- The Cost Action books/reports have been made available to early stage researchers, PhD students and masters students
- Several timber student explorative design workshops have been held (on different levels and different duration)
- The school held a one-day seminar timber application/design within DK.
- Dr Manja Kuzman an early stage researcher will have a COST research stay at the school of architecture in Copenhagen in November 2014. Her work is in the field of sustainable timber building applications in Slovenia

Estonia

- Tnis Teppand

- Involvement with COST FP1303
- Although timber engineering is very active in Estonia (fourth largest exporter of built structures) and there are a large number of companies. industry is reluctant to share information.
- Estonia industry and research are very separate
- Information from COST Action helps

- Germany Kay-Uwe Schober
 - Nine academic institutions are involved in this COST Action in presenting at COST Action conferences, workshops, seminars and training schools
 - TU Munich hosts the COST Action Website at no charge to the COST Action, which is a key tool for dissemination of the work of the COST Action
 - The work of COST Action FP1004 was presented at a special PhD seminar in Stuttgart (Otto Graf Institute)
 - Proceedings of COST Action FP1004 conferences are available on-line and in Mainz University of Applied Sciences library.

Greece

- George Ntalos and Michalis Skarvelis
- As previously reported, every 3 months makes presentation to students at open meeting with other TUs to inform of progress in timber engineering
- Disseminates info as scientific advisors in "Hellenic Timber Society"
- Making Horizon 2020 bids based on FP1004 topics and collaboration

Ireland

- Dr Karol Sikora

See report below in appendix to these minutes.

- Antanas Baltrusaitis

See report below in appendix to these minutes

Former Yugoslav Republic of Macedonia - Kiril Gramatikov

- Disseminated proceedings from Cyprus conference
- Organised short presentation



Enhance mechanical properties of timber, engineered wood products and timber structures



- Dissemination of experimental work on wood-based panels
- Increased involvement with COST Actions

Norway

- Geir Glaso

- Communicate to industry
- Contributed to COST Action work on bond-in rods

Poland

- Slawomir Krzosek

See report below in appendix to these minutes

Portugal

- Alfredo Dias

- Spread information by email
- Send participants to each training school (at least 5 institutions represented)
- Try to involve industry in Final Meeting in Lisbon

Spain

- Jose Fernandez Cabo

See report below in appendix to these minutes

Sweden

- Robert Kliger Lund Training School hosted at start of COST Action
- Lund has hosted a number of STSMs
- Through Masters course, 70 international students were informed of work of COST Action
- Press release on Final Meeting in Lisbon

Slovenia – Miha Kramar

See report below in appendix to these minutes

Switzerland - Robert Widmann

- Promotes activities by email
- COST collaboration has resulted in National Research Programme and
- Informs students and encourages participation in training school
- Active participation at FP1004 Cyprus conference

Turkey

- Osman Goktas
- Encourages participation of students at training school
- Dissemination at conference
- Shares information on activity of COST Action with colleagues

The proceedings of the Prague Conference were successfully published as proposed at meeting MC4. The publication carries an ISBN and is available in both hard copy and epublishing format.

11. Promotion of gender balance and of Early Stage Researchers (ESR)

Once again, Richard Harris observed that while the gender balance of the meeting was far from equal. The COST Action had enabled excellent ESR Participation and the training school would further this.

Non-COST country participations



Enhance mechanical properties of timber, engineered wood products and timber structures



University of British Columbia (Canada) and University of Technology (Sydney) were already in this COST Action and the University of Canterbury (New Zealand) were members of the COST Action.

13. Web news

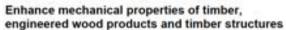
The COST Action website at http://costfp1004.holz.wzw.tum.de is being kept up-to-date by Frank Hunger.

There is a LinkedIn group formed for the COST Action: www.linkedin.com/groups?gid=4170149

14. AOB

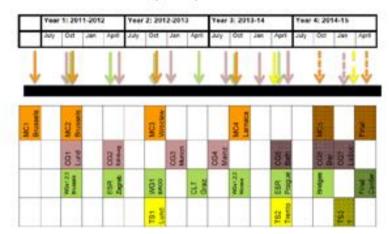
No other business to report







COST Action FP1004: Roadmap to completion:





Core Group Meeting CG8 9am to 1.30pm Friday 16 January 2015



Attendees:

Helena Cruz (host for FP1004 Meeting in Lisbon – April 2015)

Richard Harris (Action Chair)

Robert Kliger (FP1004 Vice-Chair)

Daniel Ridley-Ellis (WG 3)

Kay-Uwe Schober (STSM Coordinator)

By Skype:

Jan Willem van de Kuilen (WG1) for discussion of the special edition of the journal

Apology:

Roberto Crocetti (WG 2)

Agenda

- 1. Meeting at reception
- 2. Special Edition of the European Journal for Wood and Wood Products

Notes of CG8



- Invite presentations at Lisbon from STSMs
- Quote from Jan-Willem for 300 copies of Special Edition (Final Report) (€3000)
- Richard to email authors:
 - Submission information;
 - Deadline;
 - Length;
 - Colour;
 - Link to journal instructions + sample copy
- Reimbursements and other arrangements for Lisbon agreed
- Richard to check date of training school OK with COST office
- Dan to prepare flier and Richard to advertise training school

Core Group Meeting CG8 - Actions



- 4. Update from Action Chair and Grant Holder
 - a. Status of Action, including participating countries
 - b. Financial Report
 - Budget status
 - Budget planning and allocation

Participations

Country	Date	Status
Austria	22/11/2011	Confirmed
* Belgium	12/05/2011	Confirmed
Bulgaria	14/06/2011	Confirmed
Crostle	04/05/2011	Confirmed
Cyprus	29/04/2013	Confirmed
Czech Republic	11/07/2011	Confirmed
Denmark	08/06/2011	Confirmed
Extoria	21/03/2014	Confirmed
Finland	25/01/2011	Confirmed
France	21/01/2011	Confirmed
YR Macedonia	25/02/2011	Confirmed
Germany	20/01/2011	Confirmed
Greece	15/04/2011	Confirmed
Hungary	21/03/2013	Confirmed
Ireland	18/08/2011	Confirmed
Italy	20/01/2011	Confirmed
Lithuania	30/11/2011	Confirmed
Netherlands	25/02/2011	Confirmed
Norway	20/01/2011	Confirmed
Poland	20/01/2011	Confirmed
Portugal	04/03/2011	Confirmed
Slovenia	12/07/2011	Confirmed
Spain	14/02/2011	Confirmed
Sweden	17/06/2011	Confirmed
Switzerland	23/02/2011	Confirmed
Turkey	17/02/2011	Confirmed
United Kingdom	20/01/2011	Confirmed



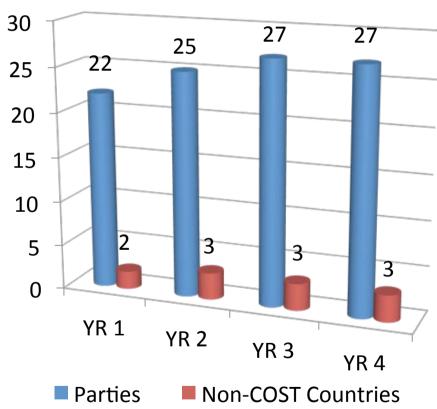
COST International Partner Countries

Institution Name	Country
University of Technology Sydney	Australia
University of British Columbia	Canada
University of Canterbury	New Zealand





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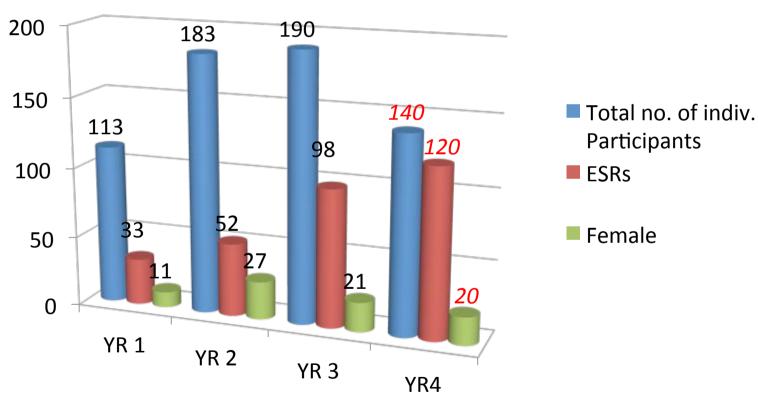


Status of Action, including participating countries

Action FP1004



Action Parties



Status of Action, including participating countries



4b. Financial Report

6.1 Budget Status

6.2 Budget planning and allocation

Budget EUR

Meetings	111,240
Training Schools	19,700
Short Term Scientific	
Missions	12,000
Dissemination	4,978
Other Expenses Related to	
Scientific Activities	0.00

Total Scientific Expenditure	147,918
Grant Holder 15%	22,187
Total Budget	170,105



Budget, Year 4 - 2014-2015

	Payments EUR
Meetings	104,990
Training Schools	20,600
Short Term Scientific Missions	12,000
Dissemination	3,808
Other Expenses Related to Scientific Activities	0.00
Total Scientific Expenditure	141,398
Grant Holder 15%	21,210
Total Budget	162,608



Actual estimated spend to date Year 4 - 2014-2015



Meetings
Training Schools
Short Term Scientific Missions
Dissemination
Other Expenses Related to Scientific Activities

Total Scientific Expenditure

Budget EUR	Payments EUR	Variance
111,240	104,990	-6250
19,700	20,600	+900
12,000	12,000	0
4,978	3,808	-1,170
0.00	0.00	0.00
147,918	141,398	-6520

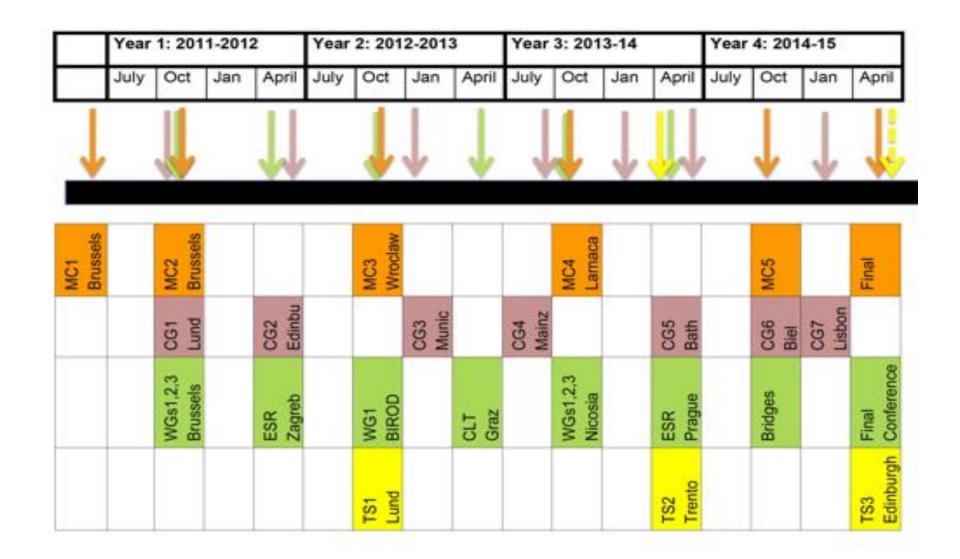
Budget vs Actuals, Year 3 - 2013-14



- 5. Action achievements
 - a. Road map update
 - b. Final Report



Activity (No.)	Year 1	Year 2	Year 3	Year 4
MC	1	1	1	2
STSMs	6	6	5	6
Training Schools	0	1	1	1
Workshops or Conferences	2	2	2	2
Publications	1	1	2	1





COST Action FP1004 - Timeline







Date	Venue for meeting	Topic	Notes
January 2015	Training School TS3	Analysis and modelling	ESR oriented
15-17 April 2015	LNEC, Lisbon, Portugal	Final Meeting	Special Edition of European Journal of Wood and Wood Products

COST Action FP1004 – Final Meeting



6. STSM Status, applications

STSM – Status, Applications



Financial year	STSM budget	Internal No.	Name	Registration No.	Start	End	From	То	Budget	remaining	Report
		•					•				
011 - 2012	12,000 €	2011-01	Zhouyan, Xia	FP1004-9452	20/02/2012	20/04/2012	Germany	Italy	2,500 €	9,500 €	ok
		2011-02	Skinner, Jonathan	FP1004-9613	27/02/2012	19/03/2012	UK	Portugal	1,800 €	7,700 €	ok
		2011-03	Bona Gallego, Edurne	FP1004-9843	01/03/2012	15/04/2012	Spain	Sweden	2,500 €	5,200 €	ok
		2011-04	Bona Gallego, Maria	FP1004-9842	01/03/2012	15/04/2012	Spain	Norway	2,500 €	2,700 €	ok
		2011-05	Bano, Vanessa	FP1004-10044	06/05/2012	29/05/2012	Spain	Switzerland	1,200 €	1,500 €	ok
		2011-06	Sartori, Tiziano	FP1004-10200	23/04/2012	14/05/2012	Italy	Sweden	2,200 €	-700 €	ok
012 - 2013	17,500 €	2012-01	Jockwer, Robert	FP1004-10280	20/08/2012	12/10/2012	Switzerland	Sweden	2,500 €	15,000 €	ok
		2012-02	Xavier, Jose	FP1004-10687	24/06/2012	01/07/2012	Portugal	Spain	0 €	15,000 €	ok
		2012-03	Gavric, Igor	COST-STSM-RA-New Zealand-06389	23/07/2012	15/09/2012	Italy	New Zealand	0 €	15,000 €	ok
		2012-04	Wrzesniak, Daniela	COST-STSM-RA-New Zealand-06390	01/07/2013	29/03/2013	Italy	New Zealand	0 €	15.000 €	ok
		2012-04	Stepinac, Mislav	FP1004-12302	07/01/2013	22/02/2013	Croatia	Germany	2,500 €	12,500 €	ok
		2012-06	Ammann, Samuel	FP1004-12494	21/01/2013	01/03/2013	Switzerland	Austria	2,310 €	10.190 €	ok
		2012-07	Reynolds, Thomas	FP1004-13598	05/06/2013	21/06/2013	UK	Sweden	1,820 €	8,370 €	ok
		2012 01	reynolas, momas	11 1004 10000	00/00/2010	£ 1700/2010	OIL	oweden	1,020 €	0,010 0	OR
013 - 2014	12,000 €	2013-01	Giongo, Ivan	FP1004-15770	25/11/2013	07/12/2013	Italy	UK	1,700 €	10,300 €	ok
		2013-02	Stojanovikj, Biljana	FP1004-15920	18/11/2013	28/11/2013	Macedonia	Slowenia	1,100 €	9,200 €	ok
		2013-03	Reynolds, Thomas	FP1004-17109	05/05/2014	15/05/2014	UK	Italy	1,000 €	8,200 €	ok
		2013-04	Bellini, Michele	FP1004-19112	16/05/2014	31/05/2014	Italy	Sweden	2,400 €	5,800 €	ok
		2013-05	Rodriguez, Vladimir	FP1004-18946	14/05/2014	13/06/2014	Spain	Belgium	2,450 €	3,350 €	ok
		•		•		-			·		•
2014 - 2015	12,000 €	2014-01	Leoskool, Laurent	FP1004-20652	01/10/2014	31/10/2014	Belgium	Sweden	2,500 €	9,500 €	ok
		2014-02	Jockwer, Robert	COST-STSM-RA-New Zealand-21442	19/01/2015	30/03/2015	Switzerland	New Zealand	0 €	9,500 €	
		2014-03	Izzi, Matteo	FP1004-21463	01/11/2014	31/01/2015	Italy	Austria	2,500 €	7,000 €	ok
		2014-04	Seikot, Petr	FP1004-24212	01/04/2015	30/04/2015	Czech Rep.	Sweden	2,400 €	4,600 €	open
		2014-05	van Bakel, Ruud	FP1004-24436	16/03/2015	12/04/2015	Netherlands	Italy	2,500 €	4,500 €	open
		2014-06	Rinaldin, Giovanni	FP1004-24709	01/03/2015	07/03/2015	Italy	Netherlands	830 €	3.770 €	open

STSM – Status, Applications



2014 - 2015	12,000€	Leoskool, Laurent	FP1004-2065 2	01/10/2014	31/10/2014	Belgium	Sweden	2,500€	9,500€	ok
		Jockwer, Robert	COST-STSM- RA-New Zealand-214 42	19/01/2015	30/03/2015	Switzerland	New Zealand	0€	9,500 €	
		Izzi, Matteo	FP1004-2146 3	01/11/2014	31/01/2015	Italy	Austria	2,500 €	7,000€	ok
		Sejkot, Petr	FP1004-2421 2	01/04/2015	30/04/2015	Czech Rep.	Sweden	2,400€	4,600€	open
		van Bakel, Ruud	FP1004-2443 6	16/03/2015	12/04/2015	Netherlands	Italy	2,500€	4,500 €	open
		Rinaldin, Giovanni	FP1004-2470 9	01/03/2015	07/03/2015	Italy	Netherlands	830€	3,770 €	open



7. Training School TS3

FP1004 Training School TS3 Analysis and modeling January 2014 Organiser: Daniel Ridley-Ellis



Unit 10, Baileyfield Crescent Portobello, EH15 1YU, UK



COST Action FP1004 Training School - Modelling 28-30 April 2015

Unit 10, Baileyfield Crescent Portobello, EH15 1YU, UK



Day two: Wednesday 29th April

Local Host: Dan Ridley-Ellis d.ridleyellis@napier.ac.uk +44(0)131 455 2449

16:00 to 17:30

17:30

[1.5 hours] Reserved for practical exercises, Q&A

	PROVISIONAL PROGRAMME AS OF 13/4/15		
	Day one: Tuesday 28th April	09:00 to 10:30	[1.5 hours] Modelling of 2D and 3D timber truss systems - part 2, Prof Kay-Uwe Schober Simplified truss models for traditional/historical connections
08:45 to 09:00 Registration			(considering joint stiffness, moisture change etc.). Truss models for (timber-concrete) composite structures with non-uniform distributed
09:00 to 09:30	[0.5 hours] Welcome by COST Action chair, Prof Richard Harris Introduction to the training school, Dr Dan Ridley-Ellis		loads and shear connectors
	Health and safety induction	10:30 to 11:00	[0.5 hours] Break
09:30 to 10:30	[1 hour] Probabilistic assessment of timber properties via non- destructive measurement - part 1, Dr Dan Ridley-Ellis Sources and extent of variation in wood properties	11:00 to 12:30	[1.5 hours] The dynamic and static modelling of timber and timber concrete floors using FEM – part 1. Dr Alfredo Dias Static short term modelling of timber and timber-concrete systems (Analytical/code models & FEM models)
10:30 to 11:00	[0.5 hours] Break	12:30 to 13:30	[1 hour] Lunch
11:00 to 12:30	[1.5 hours] Probabilistic assessment of timber properties via non- destructive measurement - part 2, Dr Dan Ridley-Ellis Outline of the European system of timber strength grading Non-destructive techniques with demonstrations	13:30 to 15:00	[1.5 hours] The dynamic and static modelling of timber and timber concrete floors using FEM – part 2, Dr Alfredo Dias Dynamic modelling of timber and timber-concrete systems (Analytical/code models & FEM models)
12:30 to 13:30	[1 hour] Lunch	15:30 to 16:00	[0.5 hour] Break
13:30 to 15:30	[2 hours] Modelling of 2D and 3D timber truss systems – part 1, Prof Kay-Uwe Schober	16:00 to 17:30	[1.5 hours] Reserved for practical exercises, Q&A
	Modelling of timber roof structures (2D/3D, including joints) comparing FEM and classic truss model software. Modeling of timber roof structures with truss models (considering joint type and geometry)	17:30	Close
15:30 to 16:00	[0.5 hours] Break		

CCOSE Action FP1004

COST Action FP1004 **Training School - Modelling** 28-30 April 2015

Unit 10, Baileyfield Crescent Portobello, EH15 1YU, UK



Day three: Thursday 30th April

09:00 to 10:30	[1.5 hours] Finite element modelling (FEM) of moisture stresses and deformations - part 1. Prof Sigurdur Ormarsson Two-dimensional finite element simulation of moisture flow in timber boards
10:30 to 11:00	[0.5 hours] Break
11:00 to 12:30	[1.5 hours] Finite element modelling (FEM) of moisture stresses and deformations - part 2. Prof Sigurdur Ormarsson Two-dimensional finite element simulation of moisture induced stresses in timber boards
12:30 to 13:30	[1 hour] Lunch
13:30 to 15:00	[1.5 hours] Finite element modelling (FEM) of moisture stresses and deformations - part 3. Prof Sigurdur Ormarsson Exercises
15:00 to 15:30	[0.5 hours] Break
15:30 to 16:00	[0.5 hours] Final Q&A
16:00	Close

The training school will be held in a laboratory building. Please be aware that, depending on the weather, it may be quite cold. We are hiring heaters, but it is advisable to bring some additional layers of clothing just in case.

> For further information about the training school see http://fp1004.blogspot.co.uk/

rman maining school



8. Promotion of gender balance and ESRs



9. Closing out – final evaluation



Since your Action will be ending current 2015, our Science Officer, Fatima Bouchama, has sent an email with some important information about final Grant Period of the Action and provide more details on what ending Actions must / may do



1. Final Event of the Action

- You will organize within this GP a Final Conference / Final MC Meeting of the Action.
- This should be the last activity of the Action.
- Please inform your SO of the possible dates/venue of the Final Event.
- The focus of this conference must be on disseminating the outcomes and impacts of the Action and facilitating the evaluation of the Action.
 Relevant stakeholders should therefore be invited to the meeting as well as all MC Members.



Final Evaluation of the Action

 A Final Evaluation of the Action will be performed, it aims at describing how well the Action has reached its stated objectives, identifying the impacts of the Action. More details on the monitoring under Horizon 2020 will be communicated soon, information is available on the following link

http://www.cost.eu/download/

B2COST Action Management Monitoring and Final Assessment



Action Poster/ Brochure/ Flyer

- The Action Poster/ Brochure/ Flyer that you prepared and updated for the most recent Annual Progress Conference must be updated, in particular with regard to:
- Describing the outcomes and impacts of the Action,
- Addressing relevant stakeholders, and
- Using the past tense (ie what the Action achieved, not what it aims to do).
- The revised Action Brochure must be sent to the SO <u>before the final</u> conference.



COST Action no. FP1004

Enhance mechanical properties of timber, engineered wood products and timber structures

2011 | 2015

Objectives

2013

2014

- The main objective of this Action was to enhance the performance of structural timber products and. Professor of Timber Engineering.
- structures and thereby improve the competitiveness of timber structures. established the state of research in the three working groups
 - understood the gaps in knowledge in the area of bonded rods promoted involvement of early stage researchers.
 - moved bonded-rod design towards accepted design rules consolidated of knowledge in use of cross laminated timber (CLT)
 - strongly involved industry broaden activities to ESRs
 - included larger structures through timber bridge conference
 - worked with COST Action FP1101 to achieve maximum impact disseminated information on the range of topics covered by
- COST Action during through its work

Main Achievements

- Assembly of information on bonded-rod design and presentation at CIB-W16 in Vancouver.
- Published design guidelines for bonded rods in COST Action FP1101
- Major CLT Conference at TU Graz wide industry participation and publication of proceedings.
- Published of a series of four ISBN referenced high quality proceedings.
- Special edition of European Journal of Wood and Wood Products

Working Group 1 - connections and structural timber in weak zones

- Bub-group assembles summary of previous research on bonded-rods. Paper publication
- Three conferences (ESR-biased in Zagreb (2012) and Prague(2014) and Noosia (2013)

Working Group 2 - heavy timber structures (timber bridges)

- Cross-Laminated Timber initiative (Graz Conference with publication and training school)
- Joint FP1004/FP1101 timber bridge conference in Biel, Switzerland in 2014

Working Group 3 - modelling

- Modelling papers included in all conference proceedings.
- Training School on modelling mechanical performance of enhanced wood-based systems







Forests, their Products and Services (FPS)

Participating countries

AT. BE. BG. CH. CY. CZ, DE. DK. EL. ES, FL FR, HR, HU, IE, IT, LT, MK, NL. NO. PL. PT. St. SE. TR. UK.

Contact details

Chair of the Action

Richard Harris.

The University of Bath, UK

R.Hamis@Gath.ac.uk

Science Officer

Science Officer Forests, their Products. and Senotes

COST Office Fatima Bouchama@cost.eu

http://postfe1004.hotz.wzw.fum.de











Action website

 The Action website should be available for two years after the end of the Action. Provision for continued hosting of the Action website may be included in the Work-Budget plan for the final Grant Period of the Action. Actions should ensure that text is copyrighted and that someone is responsible for ensuring the integrity of the site after the end of the Action (eg hacking).



P

Search

Advanced Search:

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Cost FP 1004

The scientific focus of this Action is the application of existing and innovative reinforcing techniques for enhancing the mechanical performance of timber structures. These techniques involve the introduction of materials that interact well (work in composite action) with the wood and also act as reinforcement. Special emphasis will be put on the correct use of strength and stiffness enhancement techniques, in order to obtain more efficient and safer structural behaviour.

Some of these techniques are innovative and therefore require development to improve their performance and to optimise their use in design.





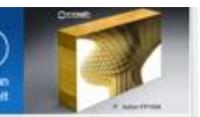
Holzforschung München

Winzererstr. 45 80797 München

E-Mail

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Lisbon, Portugal 2015

COST Action FP1004 - Final Meeting

15-17 April 2015, Laboratório Nacional de Engenharia Civil (LNEC), Lisbon

Invitation

Schedule

Delegate list

Conference venue:

Biel, Switzerland 2014

COST Timber Bridge Conference - CTCB 2014

25-26 September 2014, Bern University of Applied Sciences, Biel

Program

Prague, Czech Republic 2014

COST Action FP1004.

Holzforschung München.

Winzererstr. 45 80797 München

E-Mail



Additional possibilities

- Final publication
- Action summary for COST Newsletter/ website
- A short summary (either a couple of sentences, or slightly longer if needed) of the Action (focussing on outcomes and impacts and how networking contributed to these) can be submitted to the SO for inclusion in the COST Newsletter/ website. See http:// www.cost.eu/library/newsletter for all issues of the newsletter. Please see attached file 'How to write a success Story'.

•



10. AOB



- Sign, scan and email claim forms (no need to send originals by post)
- Note that we are aproaching end of COST Action and you will be locked-out from E-COST
- Submit immediately!

Financial



11. Close