

COST ACTION E48

The Limits of Paper Recycling

E48 Steering Group, Scenarios and Recycling TF meeting

15-16.12.2008

Meeting venue: Hotel Schiphol
Rijksweg A4 3
Hoofddorp
Netherlands

Participants

Jan-Erik Levlín	JEL	Finland
Harald Grossmann	HG	Germany
Andreas Faul	AF	Germany
Francois Julien-Saint-Amand	FJSA	France
Ilpo Ervasti	IE	Finland
Arie Hooimeijer	AH	Netherlands
Batek Stawicki	BS	Netherlands
Barry Read	BR	UK

Apologies had been received from Angeles Blanco

Please obs! The bolded initials in the text below indicate who has the duty to take actions in the question concerned.

1. Opening of the meeting

The meeting was opened by JEL at 9.45 on 15.12 and the agenda earlier distributed was adopted. JEL also undertook to take notes of the meeting.

2. Draft minutes from the SG/TF meeting in Brussels 11.09.2008

The draft minutes from the previous SG/TF meeting in Brussels 11.09..2008 and the Summary minutes of the MC/WG meeting in Iasi on 02-04.10.2008 were reviewed. No comments were received.

3. E48 budget issues

JEL presented the Actions economical situation on the basis of correspondence with the COST office. For the ongoing final budget period 1.6.2008 – 30.03.2009 a total amount of 98.000€ has been allocated to the Action. For the time being the breakdown of this is as follows:

- Iasi meeting	37000€
- Three SG/TF meetings	12000€
- Three STSMs	6000€
- One GASG	2000€
- Final Conference	41000€

The costs for printing the Action Book by the EU publication house OPOCE are assumed to be covered by the COST publication office.

All the STSMs anticipated above have been allocated. COST has recently made additional funding available for STSMs and Training Schools. Within E48 two STSMs are now being planned for utilization of this extra funding. The possibility for arranging a Training School was also discussed, but due to the fact that it would have to be carried out before the end of the Action 29.03.2009 no realistic possibility could be identified.

In this context it was also noted that the COST office has now confirmed that the Grant System will not be applied on Actions ending during the ongoing budget year. This also includes E48.

4. Issues related to the finalizing of the Action

The Actions SO Melae Langbein has distributed a rather comprehensive description of the issues related to the finalizing of the Action. To summarize, the Action has to produce three things:

1. A Scientific report to be a part of the overall administrative report for the Action. This is **JELs** duty and a draft was reviewed at the meeting..
2. A Final publication. In our case this is the Book. The main responsibility for this is the **SG/TF** group with **BS** as the secretary, the Editor in Chief.
3. A Final brochure. The production of the text is the duty of the SG and **JEL** will produce a first draft. He may need some help with the final editing of the brochure

according to the template and advices. The brochure is needed by Jan 19.

4. The Actions web page is to be maintained for 5 years after the end of the Action. **HG** promised to take care of this.

5. Further discussion of the scenarios

HG has been working on the material developed during the three Action meetings in Sofia, Budapest and Iasi, respectively and he distributed summaries of these at the meeting. In drawing conclusions from these major questions to be discussed deal with

- Identification and quantification of the influence on paper recycling to be expected as a result of the development foreseen in the different scenarios
- Strategies for future research required to utilize the benefits or to eliminate the difficulties resulting from the different scenarios

During the meeting c. 1.5 of the scenarios were thoroughly discussed (*Sustainable times* fully and half of *Focus Europe*). The group members shall now continue to work in the same way on the remaining 2.5 scenarios and send the results to **HG** by **the end of January 2009**.

6. Discussion of the Actions final report, the Book

BS presented the material received so far for Chapters I - III of the Book. This material now exists almost entirely. It was thoroughly discussed and minor changes and improvements still required were agreed upon. **BS** will continue to edit the material during January.

The tasks of writing the different subchapters of Chapter IV were agreed upon as follows:

IV.1. Future trends relevant for Paper and Board Recycling	
IV.1.1 Trends in Paper and Board Production	HG
IV.1.2 Fibrous raw material availability for the European paper industry	IE
IV.1.3 Perspectives of Recycling Technologies	FJSA
IV.1.4 Trends in Paper Finishing, Converting and Printing	AF
IV.1.5 The Biorefinery issue	FJSA
IV.1.6 Future Legislation	JR
IV.1.7 Social aspects of paper recycling	AH
IV.2. Scenarios for the future of manufacturing industries in Europe in general	HG
IV.3 Scenarios for paper and board recycling in Europe	HG
IV.4 Assessment of the scenarios	SG/TF

Each subchapter should be kept rather short, c. 2 pages

V. CONCLUSIONS FOR STRATEGIES...

SG/TF

Concerning the role of the suppliers it was agreed that each one of them should be offered the opportunity to write max 2 pages describing their views on future treatment technologies needed to improve recycling. Their contributions will be compiled into an App. **HG** will draft a letter to be send to them describing our wishes.

It was agreed that as much as possible of texts referred to above should be made available by **February 15** to allow for a compilation of the full Book material for the next SG/TF meeting on March 18-19 in Brussels.

It was noted that BS has left KCPK and will start to work for Norske Skog Parenco on February 1, 2009. He is, however, prepared to continue the work on the Book to the extent his new employer will agree upon.

As the print shop requires a camera ready manuscript **JEL** undertook to investigate the possibilities to get help from COST or the EU publication house OPOCE for the final lay out work of the Book. **HG** and **BR** also will investigate possibilities to find suitable lay outing capabilities.

7. Discussion of the Final Conference

HG is planning the **Final Conference** to be held in Munich on 06-07.05.2009 in cooperation with PTS. The venue will be PTS. The duration of the Conference will be 1 1/2 day, starting at 13.00 on the first day. During the morning of the first day the final MC meeting will also be held.

The participation fees are still open but they will be kept on a normal COST level for Action participants whereas PTS will be free to charge full costs from non-COST participants.

The draft presentation program for the Final Conference was further developed, see App 1. The suggested speakers not yet confirmed must be contacted asap and not later than very beginning of January by the person whose initials appear in colour in the draft.

During the Final Conference the Action will also be evaluated by an Evaluation Panel to be appointed by the DC.

8. Discussion of ideas for new COST Actions

It was noted that of the proposals known to the group and submitted by the end of September only the one on *Analytical techniques for Biorefineries* developed by Stefan Villför, Åbo Akademi, Finland had been approved for second stage proposal submission. Of the 6 FPS proposals approved for 2nd stage submission 4 came from Forestry, one from Wood Technology and one related to P&P.

AF was asked to resubmit his proposal on *Maintaining and improving a sustainable design of paper and board products* as it had received rather good scores in the evaluation.

In this context the idea *Future availability of papermaking fibers* as a Strategic Workshop was briefly discussed. It had been thought that **KCPK** probably could arrange such a Workshop in case it is approved by COST. Another alternative that had been mentioned was Poland. BS had been in contact with Prof Aleksander Klepaczka, Lodz, who had expressed a great interest in organizing such an event.

At a previous meeting **AH** had undertaken to develop a first draft proposal for this idea. He was urged to go on with the work.

9. Further meetings of the SG/TF group

The next meeting of the SG/TF group is planned for March 18-19 in Brussels. A meeting room at the COST office has been confirmed.

Furthermore, the Group agreed to reserve the day immediately after the Final conference, May 8 for a meeting at PTS to finalize the Book manuscript

10. Closing the meeting

The meeting was closed at on 16.12 at 17.00

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COST Action E48

The Final Conference

Munich, Germany, May 6th and 7th 2009

Draft programme

Wednesday May 6th

Setting the Scene

(Chairman: Harald Grossmann)

12:30	Registration	
13:15	Welcome	A. Kerkhoff, PTS, DE
13:30	The COST System and COST Action E48 (1)	J.-E. Levlin, FI
13:45	History and development of P&B recycling in Europe (2)	J. Sillman, UPM - Kymmene, DE
14:30	Global issues about paper & board recycling and Europe's role (2)	I. Ervasti, Pöyry, FI
15:00	Coffee break	
15:30	Graphic Paper recycling - markets and quality requirements (3)	A. Faul, INGEDE, DE
16:00	Packaging Paper recycling - markets and quality requirements (4)	H. Wortman, SCA Recycling, NL (A.H.)
16:30	The impact of legislation and regulations on P&B recycling (5)	J. Ringman, CEPI, BE
17:00	Economics of Packaging paper recycling (6)	M. Clumpkens, Smurfit-Kappa, NL (A.H.)
17:15	Economics of graphic paper recycling (7)	N.N., Holmen Paper Madrid, ES (A.F.)
17:30	Conclusion by the chairman	
19:00	Joint Dinner	

Thursday May 7th

State of the Art
(Chairman: François Julien-Saint-Amand)

09:00	The future of recovered fibre in the UK (8)	B. Read, PITA, UK
09:30	Collecting and sorting strategies and their impact (9)	B. Stawicki, Norske Skog, NL
10:00	Current and future quality control techniques for recovered paper (10)	A. Cochaux, CTP, FR
10:30	Coffee break	
11:00	Deinking today – a summary of the results of COST Action E46 (11)	G. Galland, CTP, FR
11:30	Minimizing waste in paper recycling (12)	A. Westernbroek, KCPK, NL
12:00	Lunch break	

Thursday May 7th

The Future of Paper Recycling
(Chairman: Arie Hooimeijer)

13:00	Trends in paper & board converting (13)	K. Olsmats, STFI-Packforsk, SE (A. H.)
13:30	Technology perspectives of P&B recycling (14)	G. Lambrecht, PTC, DE
14:00	Scenarios for the development of manufacturing industries in Europe with special emphasis on P&B recycling (14)	H. Grossmann, Dresden, DE
15:00	Coffee break	
15:30	Round table discussion U. Höke, Stora Enso, DE G. Lambrecht, PTC, DE B. Read, PITA, UK J. Ringman, CEPI, BE M. Clumpkens, Smurfit-Kappa, NL	
17:00	Concluding remarks	Jan-Erik Levlin, FI

(The initials in colour above indicates the person who should contact the suggested speaker)

