



## REPORT FROM TEMTIS DANISH COUNTRY SEMINAR

### Consequences of Eurocode 5 for the European Practice in Timber Engineering

11.9.2008, HORSSENS, Denmark

Preamble

Program of the seminar

The questionnaire

Evaluation of the seminar

Summarizing evaluation of the seminar

#### Preamble

The third country seminar organized in the framework of the TEMTIS project took place in Horsens, Denmark on 11.9.2008. It was organized by VIA University College.

The seminar concentrated on the topic of Eurocode 5. This topic has close relations to Handbook 2 (one of the TEMTIS project products), which deals with design of timber structures according to Eurocode 5.

The speakers at the seminar were representatives of project partner institutions and representatives of companies dealing with timber structures. The seminar participants were students of VIA University College, professionals and project partners. The seminar participants obtained lots of information concerning timber structures and Eurocode 5.

#### Program of the seminar

“Consequences of Eurocode 5 for the European practice in Timber Engineering”

Date: Thursday 11.9.2008

Meeting place: VIA University College, Chr. M. Østergaards Vej 4, 8700 Horsens, Auditorium A, Denmark

#### Programme

- 9:00**      **Coffee/tee and sign in for the Seminar**
- 9:30**      **Welcome and today's schedule** by Anders Søvsø Hansen, VIA University College
- 9:35**      **Danish best practice with a focus on connections** by Jørgen Munch-Andersen, Danish Timber Information  
A study of the load bearing capacity of the most frequently used nails and screws has revealed that the capacity in almost all cases are smaller with EC 5. Examples are given of connections that cannot meet the requirements of EC 5, even though the practical experience is absolutely satisfying.
- 10:00**     **A New proposal of The Design Rules in EC 5 for Compression Perpendicular to the Grain** by H. J. Larsen



By using EC 5 many details in traditional timber structures, e.g. timber frame houses will no longer be acceptable. The study of the new proposal shows that it will give better results.

**10:25**

**Break**

**10:45**

**The general situation in Europe from a CEN-committee and the Czech practice** by Petr Kuklík, Czech Technical University of Prague

**11:10**

**A Design model of shear wall elements with plaster boards and Slovenian practice** by Miroslav Premrov, University of Maribor

The Eurocode methods are usually unsuitable for the walls sheated with fibre-paster boards. The study and test for a design model will be presented.

**11:35**

**The Leonardo da Vinci Project - Educational Materials for Designing and Testing of Timber Structures - TEMTIS** by Alois Materna, Technical University of Ostrava, Czech Republic

**11:50**

**Discussion**

**12:00**

**Lunch in the University Canteen**

**13:00**

**CE marking of Connectors and Fasteners used in timber structures** by Jørn Ipsen, Simpson Strong-Tie A/S.

Documentation of the products according to an ETA Guideline or according to Harmonized European Standards. Gains and difficulties seen from a manufacturer's point of view.

**13:25**

**Cross laminated timber and the Austrian practice** by Manfred Augustin, Graz University of Technology.

**13:50**

**Break**

**14:05**

**The effect of Eurocode 5 on timber structure design in Norway** by Kolbein Bell, Norwegian University of Science and Technology

**14:30**

**Discussion**

**15:00**

**Closure of the seminar**

### **The questionnaire**

The questionnaire prepared by Mr. Hansen from the organizing institution was divided into two parts.

In the first part the seminar participants were asked about their satisfaction with the content, form, materials and facilities of the seminar and five possible answers were suggested. So the satisfaction could be very big, big, satisfactory, too small/bad, don't know.



The second part offered the open questions

- I appreciate:
- I would have benefited more from the seminar if...
- I suggest:

### **Evaluation of the seminar**

The organizers received 35 answers out of 58 persons attending the seminar.

7 persons were students, 25 were not.

As far as answers in the first part of the questionnaire are concerned most participants expressed big satisfaction with the content of the seminar (15 out of 35), satisfactory satisfaction with the seminar material (19 out of 35), big satisfaction with the seminar form (14 out of 35) and big satisfaction with the facilities (16 out of 35). Summarizing those we can state that the seminar participants were satisfied with the seminar.

In the second part of the questionnaire no one put any words into the text noting what they appreciate.

Two students wrote that they would have benefited more from the seminar if "it was less complicated" and two persons "if the as less theoretical".

10 participants wrote they would suggest using the speaking system for some of the speakers.

The Evaluation of the seminar as it was prepared by Mr. Hansen (P7) is an annex to this Seminar report.

### **Summarizing evaluation of the seminar**

The country seminar in Horsens was the last country seminar planned within the TEMTIS project life. Generally we can say that the seminar was successful. It can be proved by big interest from the side of professionals who appeared at the seminar and filled in the questionnaires. The topic of the seminar must have been attractive for them as 3 representatives of Danish companies took part in the programme of the seminar. From the aspect of the TEMTIS project representatives we consider the seminar well organized, interesting and successful.

The photo documentation of the seminar is available at the private part of the project website and will be included in the CD for Final report.

The report was compiled by Marcela Zahnasova (P1).

## Evaluation of Seminar

TEMTIS  
 Seminar in  
 Horsens

Month      September      2008

<b>The content, form and facilities of the seminar</b>	Very big	Big	Satisfactory	Too small/bad	Don't know
Satisfaction with the content of the seminar	4	15	14	2	
Satisfaction with the seminar material	3	12	19	1	
Satisfaction with the seminar form	7	14	12	3	
Satisfaction with the facilities	5	16	11	3	

Are you a student Yes(7) / No(25)

**I appreciate:**

**I would have benefited more from the seminar if .....**

It was complicated (2 students). Less theoretical (2)

**I suggest:**

Better to use the speaking system for some of the speakers. (10)