

Minutes of Core Group Meeting for WP4

at The University of Naples "Federico II", Via Toledo 402, Napoli.

5-6 June 2013

1. Welcome to the participants

Members of the Core Group were welcomed by prof. Raffaele Landolfo.

The participation of a Turkish delegation to the Action, proposed at the previous Prague MC meeting, was approved by CG.

2. Approval of the agenda

The Agenda was approved.

3. Journal of Structural Fire Engineering

Two volumes of the *Journal of Structural Fire Engineering* will be devoted to papers from the Prague ASFE 2013 conference. A group of 5 members of the Scientific Committee will assign grades to papers, and the aggregate score will determine the selection. Authors of selected papers are asked to re-edit and enhance them for publication.

4. Current budget available and planned activity

The chairman of the Action showed the next year's budget breakdown.

1. Meetings	€ 78.850,00
2. Short-Term Scientific Missions	€ 17.000,00
3. Training School	€ 30.000,00
4. Publications, Dissemination, Outreach	€ 4.585,00
5. Others	€ 0.000,00
B. Total Science Expenditure (sum of (1) to (5))	€130.435,00
C. Financial & Scientific Administration	€ 19.565,00
<u>TOTAL EXPENDITURE (B+C)</u>	€150.000,00

5. Preparation of next COST action

Preparation of a future COST action within the TUD domain was discussed for application in September 2013. Two subjects were presented with the working titles:

- Resilience of building environment against disasters

Beatrice Faggiano offered to lead this application.

Subjects will be:

- Fires after blast, storm, flood, earthquakes, impact and collision.
- Different scales: construction project, aggregate, district and regional.
- Approaches: vulnerability, management, medical, mitigation, robustness-based design.
- Objectives: infrastructure and buildings.

The team to assist Beatrice in preparation of this proposal was established as: Ian Burgess, Paulo Vila Real and Leslaw Kwasniewski.

Kamila Horová will invite all experts from the current Action to indicate their willingness to participate in the proposed action ASAP.

- Smoke in fire in infrastructure and buildings

Guillermo Rein offered to lead this application. Csaba Szilagyi and Monika Hajpal will be invited to participate.

The team to assist Guillermo in preparation of this proposal was established as: František Wald, Csaba Szilagyi and a smoke specialist to be selected later.

Kamila Horová will invite all experts from the current Action to indicate their willingness to participate in the proposed action ASAP.

6. Projects under WP7 Educational dimension

Possibilities for funding of educational initiatives had also been considered. Dubravka Bjegovic proposed that members of TU0904 should prepare an EU educational project related to fire safety. An application to Erasmus for All will be drafted, and the interested Universities will create a Consortium. The Consortium will be finalized at the Aveiro 2013 meeting.

7. Progress and planning of WP4 - Benchmarks for structural fire engineering

Leslaw Kwasniewski presented the current situation. The published deliverable is anticipated to contain three chapters:

http://fire.fsv.cvut.cz/WP4/List_of_anticipated_contents_of_benchmarks_13-04-24.pdf

- A. Principles of benchmarking
- B. Basic benchmark cases
- C. Advanced benchmark cases

Essential Items in recording of benchmark studies can be seen at

http://fire.fsv.cvut.cz/ifer/WP4/Recording_of_benchmarks_13-04-24.pdf

- D. Report: a description of the study
- E. Input spreadsheet: Data needed to create the model
- F. Output spreadsheet: Key results

Experts coming to the Aveiro meeting are asked to deliver and present the drafts of their benchmark studies at the meeting.

The Monograph will be prepared during the month after the Aveiro meeting. Kamila Horová will coordinate the activity. Leslaw Kwasniewski will manage the responsible authors from each team.

8. WP6 - Thought for Eurocodes upgrade

This publication is expected to be prepared on the basis of two contributions from each member. Two chapters are expected:

- A. Procedures for application of fire design under national rules, cooperation between the authorities of European countries, information about individual countries. A questionnaire will be devised and managed by Jyri Outinen.
- B. Proposals for improvement, based on local/European projects. Introduction of the latest research into standards; Paulo Vila Real will lead this part.

External experts (for example chairs of Eurocode evolution committees) will be invited to the Aveiro/Krakow meetings.

The contributions to both chapters should initially be developed by experts in time for the Aveiro meeting.

9. Trainings school

Location:	Luleå
Date:	12-15 March, 2014
Number of Days (minimum 3):	4
Number of Trainees to be reimbursed:	25
Grants to trainees:	€800,00
Number of Trainers to be reimbursed:	8
Travel costs:	€1.000,00
Organisational support:	€2.000,00

The School will be focused on students who have worked on benchmark studies.

The schedule, which is still to be refined, is tentatively:

- introductory lectures on use of modelling software
- presentation of the work of students on benchmark studies
- three advanced hands-on working sessions on different software (People movement, CFD modelling and Mechanical behaviour).

10. Short term scientific missions (STSMs)

Focus	WP4 and WP7
Number	14
Cost per STSM:	€1.200,00
Total COST:	€17.000,00

Kamila Horová will invite trainees from the Action to participate ASAP after the Summer School. The researchers who have already participated in STSMs during WP4 are welcome to participate.

11. Meetings until the end of the Action

The timing of the remaining meetings is:

12-16 Mar 2014	Lulea Training school, WP6
20-21 Feb 2014	Krakov Meeting WP6, WP7, Evaluation of Action
18-19 Oct 2013	Aveiro Meeting WP4, WP6, WP7
3-4 Jul 2013	Rijeka TUD Annual Progress Conference

12. Closure of the meeting

The meeting closed at 13.00.

František Wald and Ian Burgess,

Naples 7 June 2013