Welcome to

IFER MC meeting

Zadar
8 - 9 October 2012

F. Wald,
Czech Technical University in Prague
Objectives

- Final text versions of their WP3 Fire Brigade Reports and Investigations
  Sent to WG Chairmen before the meeting

- Ideas for benchmark studies for WP4
  Invited presentations, ideas

- Suggestions for upgrades to European Standards for the next substantive upgrade process
  Sent to WG Chairmen before the meeting
Programme

8 October
10:00-10:30 Opening
10:30-11:00 Coffee
11:00-13:00 MC meeting
13:00-14:00 Lunch
14:00-15:30 WG plenary WP3 – Firemen investigation
15:30-16:00 WG plenary WP4 – Benchmark - prezentations
16:00-16:30 Coffee
16:30-17:15 WG plenary WP4 – Benchmark - prezentations
19:00 Dinner

9 October
09:00-10:30 WG plenary WP4 – Benchmark - discussion
10:30-11:00 Coffee
11:00-12:00 WG plenary WP6 - Eurocodes
12:00-14:00 MC meeting
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15:00-16:30 WG plenary WP7 – Education
16:30-17:00 WG plenary
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MC Meeting Agenda

1. Welcome to the participants – in pipe Slovenia, Slovakia (new Serdar Selamet, Bogazici University)
2. Approval of the agenda
3. Approval of the Minutes of the CD 2012 MC meeting, web
4. From the TU TC evaluation meeting
5. Current budget available
6. Short term scientific missions (STSM)
7. Introductory remarks to Work Packages
   1. WP3 - Fire brigade reports and investigations
   2. WP4 - Benchmarks studies
   3. WP6 - Thought for Eurocodes upgrade
8. Progress report on
   1. on Working Group 1, Guillermo REIN
   2. Working Group 2, Leslaw KWASNIEWSKI, Raul ZAHARIA
   3. Working Group 3, Paulo VILA REAL, Jyri OUTINEN
9. Information about the projects under WP7 Educational dimension, Dubravka BJEGOVIC
11. Preparation of next COST action
12. AOB
13. Closure of the meeting
MC Meeting Agenda

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6. Short term scientific missions (STSM)
7. Introductory remarks to Work Packages

1. WP3 - Fire brigade reports and investigations
   - Discussion to new contributions.
2. WP4 - Benchmarks studies
   - Introductory discussion after the WG’s chairman presentations
3. WP6 - Thought for Eurocodes upgrade
   - Discussion in WG’s.
COST TU Domain evaluation

☐ Evaluation 2012
  ☐ Icelad meeting 4-5 July 2012 meeting
  ☐ Reporter prof. Gintaris Kaklauskas, Vilnius, Lithuania
  ☐ The DC acknowledges the added-value of the Action with regards to producing concrete applications of the performance-based fire safety design methods to practitioners and to introducing the latest research into standards for fire design. The DC is very eager to see the final tangible output of the Action.

☐ Evaluation 2011
  ☐ The inputs to standardisation should be emphasised since it is a clear element in the MoU.
  ☐ The Action should develop a better “promotional” production (e.g. popular publications in newspaper) and advertise it more.
To Work Packages

- WP3 - Fire brigade reports and investigations
  - Last meeting

- WP4 - Benchmarks studies
  - This meeting
  - Per WG validation of different solutions

- WP6 - Thought for Eurocodes upgrade
  - Summary of national/EU projects for preparation of next generation of Eurocodes

- WP7 - Educational dimension
  - To help with education of fire engineering across Europe by networking
## Budget Figures 7/2012 - 6/2013

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
<th>Number</th>
<th>Forecast</th>
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<tbody>
<tr>
<td><strong>Meetings</strong></td>
<td>74 700,00 €</td>
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<tr>
<td>Zadar meeting</td>
<td></td>
<td>29 200,00 €</td>
<td>35 participants, and 1200 org.</td>
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<tr>
<td>Prague meeting</td>
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<td>35 500,00 €</td>
<td>40 participants, and 1500 org.</td>
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<td>Core group meeting</td>
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<td>10 000,00 €</td>
<td>12 participants</td>
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<tr>
<td><strong>Training sch (4 days)</strong></td>
<td>32 387,00 €</td>
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<td>27 trainees</td>
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<td>21 600,00 €</td>
<td>(each fixed grant 800)</td>
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<td>8 scholars</td>
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<td>8 000,00 €</td>
<td>(each 1000)</td>
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<td>organizační podpora</td>
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<td>2 787,00 €</td>
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<td><strong>STSM</strong></td>
<td>12 000,00 €</td>
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<td>10 STSM</td>
<td></td>
<td>1 500,00 €</td>
<td>(each 1200)</td>
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<td><strong>Dissemination</strong></td>
<td>7 000,00 €</td>
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<td>Fire brigade reports</td>
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<td>1 500,00 €</td>
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<td>ASFE proceeding</td>
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<td>2 000,00 €</td>
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<tr>
<td>Training school proceedings</td>
<td></td>
<td>1 500,00 €</td>
<td>(500 sending)</td>
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<tr>
<td>web</td>
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(2011/2012 was 105 000 €)

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COST IFER, NC and WG s, Zadar 2012
STSM

- Short term scientific missions – **10 researchers**
  - Applications by Camila till 25 October 2012
  - Approval 30 October 2012
  - Finished till 31 May 2013
  - Focuses to
    - WP4 Benchmarks studies
    - WP6 Thought for Eurocodes upgrade
    - WP7 Educational dimension
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<table>
<thead>
<tr>
<th></th>
<th>Authors</th>
<th>Title</th>
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<tbody>
<tr>
<td>1</td>
<td>Maslak Mariusz</td>
<td>Selected statistical data related to fire occurrences in Poland in 2010</td>
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<td>2</td>
<td>Lacasta Ana</td>
<td>Collaboration with the Fire brigades of Catalonia to define new protocols to collect data from a fire</td>
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<td>3</td>
<td>Klinzmann Christoph</td>
<td>Probabilistic model for fire department response</td>
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<td>4</td>
<td>Biskup Krzystof</td>
<td>European fire statistics – An overview and practical directions</td>
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<td>5</td>
<td>Block Florian</td>
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<td>6</td>
<td>Nigro Emidio</td>
<td>Fire brigade reports and investigations in Italy: Procedures and Statistics</td>
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<td>7</td>
<td>Nigro Emidio</td>
<td>Fire brigade reports and investigations in Italy: Description or real fires and numerical simulations</td>
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<td>8</td>
<td>Heinisuo Markku</td>
<td>Finnish rescue services, statistics 2005 - 2009</td>
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<td>9</td>
<td>Rodrigues Joao Paulo</td>
<td>Statistical analysis of building fires in the city of Oporto from the fire brigade reports, 1996-2006</td>
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<td>Couto Carlos</td>
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<td>11</td>
<td>Horova Kamila</td>
<td>Fire fighting on inclined coal handling bridge</td>
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<td>Tsatsoulias Dimitrios</td>
<td>Investigation report on a wooden furniture industry fire</td>
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<td>13</td>
<td>Peros Bernardin</td>
<td>Fire accident at the shopping centre in Zadar, Croatia</td>
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# Papers WP3 - Fire brigade reports and investigations

<table>
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<tr>
<th>No</th>
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<tr>
<td>14</td>
<td>Rein Guillermo</td>
<td>Across Boundaries: Fire Dynamics as the condition to the Subsequent Structural Response</td>
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<td>15</td>
<td>Bjegovic Dubravka</td>
<td>Fire brigade services and reports in the Republic of Croatia through the case study of fire occurred at the basement of the warehouse</td>
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<td>16</td>
<td>Hajpál Monika</td>
<td>Analysis of tragic fire case in panel building of Miskolc</td>
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<td>17</td>
<td>Kwasniewski Leslaw</td>
<td>Rescue operations in Poland - General description and examples</td>
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<td>Król Pawel</td>
<td>Fire brigade tasks, reports and investigations in the Polish realities</td>
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<td>19</td>
<td>Cvetkovska Meri</td>
<td>Crisis management cetre and fire brigades in Republic of Macedonia</td>
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<td>20</td>
<td>Cadoni Ezio</td>
<td>Advanced cementitious composites under dynamic loading and fire</td>
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<td>21</td>
<td>Burgess Ian</td>
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<td>22</td>
<td>Mistakidis Euripidis</td>
<td>Fire brigade services and reports in Greece</td>
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<td>23</td>
<td>Wang Yong</td>
<td>Assessment of fire protection performace of intumescent coatings</td>
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<td>24</td>
<td>Mazzolani F.M.</td>
<td>Protection of historical buildings against catastrophic actions: Case studies</td>
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<td>25</td>
<td>Szilágyi Csaba</td>
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<tr>
<td>26</td>
<td>Kaiser Rudolf</td>
<td>Study of a fire case within a panel flat</td>
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<td>27</td>
<td>Vila Real Paulo</td>
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2011-2012

- Case studies
- Training school
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WP6 Eurocodes upgrade

- Proposals for improvements
  - Based on local/European projects
    - Cooperation between the authorities of Europe countries
    - Help to introduce the latest research into standards

- Markku Heinisuo, Finland

- pdf
WP7 Education

- Erasmus Mundus
- Dubravka Bjegović
  - 4 to 6 partners
  - All experts associated partners
  - Call end of March
- EU level for = civil + fire engineering
  - Course for fire authorities
  - Fire specialist as well
  - Social sciences + engineering + physics
Erasmus Mundus European Master

EACEA

Education, Audiovisual

and Culture Executive Agency

of European Commission operates 7 key Community programmes, including Erasmus Mundus

Action 1: Erasmus Mundus Joint Programmes

1A: Erasmus Mundus Joint Masters Courses

1B: Erasmus Mundus Joint Doctoral Programmes

Action 2: Erasmus Mundus Partnerships

Action 3: Promotion of European higher education
Erasmus Mundus

- **Fire Safety System**
  - Social science
    - Politology
    - Low
    - Eurocodes
  - Civil engineering
    - Concrete structures
    - Steel structures
    - Timber structures
  - Fire safety
    - Thermodynamics
    - Fire modelling
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8. Progress report on
   1. WG1, Florian BLOCK
   2. WG2, Leslaw KWASNIEWSKI
9. Preparation of Prague Conference
   19-20 April, 2013
10. Training school
11. Preparation of next COST action
12. AOB
13. Closure of the meeting
Training school
Planned activity

2014 February 14-15  Meeting
2013 October 11-12, Aveiro  Meeting
2013 June 7-9, Naples? Training school
2013 April 19-20, Prague  Conference
Dissemination

- **Local seminars 2012**
  - Info in Prague

- Info about the Action
  - Background materials on web from 2010

- Info about the Case study
  - Ian Burges kindly offered
  - Digest on web from March 2012
Worked packages

2010  WP1 State of the art report
2011  WP2 Case study
2012  WP3 Fire brigade reports and investigations
2013  WP4 Benchmarks studies
2010-2014  WP5 Dissemination
2013  WP6 Thought for Eurocodes upgrade
2013  WP7 Educational dimension
Spring meeting 19-20 April 2013

**WP4 Benchmark study - discussions**
- Finalisation
  Methodology in local European countries in building regulations for the verification of structural resistance in fire conditions

**WP6 Thought for Eurocodes upgrade**
- Based on national/European projects

**WP3 Fire brigade reports and investigations**
- Preparation
ASFE´13

- Prague, 19th and 20th of April, 2013

- People movement
- Fire and smoke development
- Structural response
- Use of fire brigade investigation reports
- Benchmark studies

ASFE’13

- Prague, 19th and 20th of April, 2013

- Submission of Abstracts: 30 Nov. 2012
- Early Registration: 15 Feb. 2013
- Submission of Full Papers: 25 Feb. 2013
- Conference: 19-20 Apr. 2013

Thank you for coming

See you in Prague

František Wald
Czech Technical University in Prague