

## Draft Agenda

**WG3 - Integrated Design** - Across the disciplines of fire in the built environment  
at School of Building Construction of Barcelona, 5-6 July 2010

### 1. Welcome and introductions

The Chairman and Co-chairman welcome the members and introduced themselves.

### 2. Approval of the Agenda

The proposed agenda was approved

### 3. Introduction of members

The members of WG3 introduced themselves.

### 4. WP 1 State-of-the-Art Report

1. The chairman pointed out the objectives of the WG3, presented a table with the risk factors that are considered in Portuguese fire safety regulation for the classification of the buildings regarding the fire safety requirements and asked to the members to build a similar table so that the fire requirements could be compared for each country. Although some members expressed the difficulty of building a simple table with all the risk factors involved in the classification of buildings concerning fire safety requirements, the chairman asked each member to make this table.

2. Paul Jenkins suggested that the development of European guidelines for best practice in fire safety engineering (design, assess and check), could be another outcome of this WG3.

3. Each member of WG3 was asked to prepare a brief report on the Stat-of-the-Art within their group or country in the subject area of the WG3.

#### **Tentative planning schedule:**

**End of July 2010:** a template of word doc will be send to the member to write the contributions

**End of October 2010:** members will send contributions to the chairman. Ideally this will consist of one or two pages describing their activity on the field of the WG3 or the activity of their group or Country. In addition a one page with a summary (including the above table for comparison) of the Building fire safety regulation of their Country is also asked for.

**End of December 2010:** the chairman and the co-chairman will prepare a first version of the on the Stat-of-the-Art and will distribute by the members for improvements.

## 5. List of presentations

### 11:45-13:15 - 7 Experts

	Name	Title of the presentation	Country
1	Rudolf KAISER	Application of Fire Engineering in Czech republic	Czech Republic
2	Federico Mazzolani	Design of a seismic resistant Fire Station	Italy
3	Beatrice Faggiano	Methodology for the robustness assessment of structures subjected to fire following earthquake through a Performance-Based approach	Italy
4	Ionel-Puiu GOLGOJAN	Fire safety codes in Romania	Romania
5	Robert Kowalski	Experimental research conducted in the Faculty of Civil Engineering, Warsaw University of Technology	Poland
6	Jyri Outinen, Markku Heinisuo	Fire engineering research in Finland	Finland
7	André DE NAEYER	Fire research and protection of built heritage – report on recent projects and their possible impact concerning "integrated design"	Belgium

### 14:30-16:00 - 8 Experts

	Name	Title of the presentation	Country
8	Georgios E. Stavroulakis	Nonsmooth – nonconvex analysis, optimization and mechanics	Greece
9	Paul Jenkins	The UK Fire Service approach to Fire Engineering	United Kingdom
10	Dan DUBINA	Common methodology for design under extreme loadings	Romania
11	Euripidis Mistakidis	Nonlinear analysis of steel frames to consider fire after earthquake scenarios	Greece
12	Paulo VILA REAL	Portuguese regulation for definition of fire resistance requirements of buildings	Portugal
13	Nuno Lopes	Fire safety engineering in Portugal - some case studies	Portugal
14	Petr Kučera	Utilization of different processes in fire design	Czech Republic
15	Dhionis Dhima	Stochastic Computation and Hybrid Event Modeling Approach for Global FireSafety Analysis	France

## 6. List of posters

	Name	Title of the Poster	Country
1	Beatrice Faggiano	Risk assessment of structures under fire following earthquakes	Italy
2	Csaba Szilágyi	The Fire Modelling in the integrated fire protection design	Hungary
3	Dan DUBINA	Common methodology for design under extreme loadings	Romania
4	Euripidis Mistakidis, Daphne Pantousa	National project on the behavior of structures under fire after earthquake scenarios	Greece
5	Federico Mazzolani	Structural details of the Fire Station of Naples	Italy
6	G.M. Drosopoulos, M.E. Stavroulaki and G.E. Stavroulakis	Unilateral analysis of masonry monuments and reinforcement	Greece
7	Jyri Outinen	Fire protection with water sprinklers and a recent case study in Finland	Finland
8	Paulo Vila Real, Nuno Lopes	Fire safety engineering in Portugal - some case studies	Portugal
9	Paul Jenkins	The Zetter Hotel	United Kingdom
10	Petr Kučera	Bohumín fire test	Czech Republic
11	Robert Kowalski	The evaluation of required fire resistance of building structural elements on the basis of Polish legal regulations	Poland
12	Rudolf KAISER	Identification of fire scenarios	Czech Republic

## 7. Closure of the meeting

11 July 2010  
 Paulo VILA REAL, Jyri OUTINEN