

barcelona workshop, 5&6 july2010

WG1 fire behaviour and fire safety

meeting minutes

in WG1 the following presentations took place:

mariusz maslak, selected aspects of safety evaluation for accidental fire situation  
dan pinteau, fire research in romania  
dimitrios tsatsoulas, fire research in greece  
ana maria lacasta, fire propagation research in spain  
zenon drabowicz, approximate models for analysis steel under fire loading  
z.sokol, temperature of external column during fire test  
emidio nigro, numerical analyses and experimental test on structural members in fire situation  
markku heinsuo, fire engineering research in finland  
gianfranco di mateis, behaviour of aluminium alloy structures in fire  
jean-francois cadourin, fire safety in airport terminal buildings  
florian block, fire engineering projects  
krzysztof biskup, fire safety problems and challenges in poland through fire brigades view  
jesus de la quintana, hot smoke tests and cfd-performance based safety design

some discussion took place about the topics to be included in WG1,  
and final consensus was:

**topics included in WG1:**

- 1- fire scenarios**
- 2- design fires**
- 3- fire evolution, propagation, suppression (active measures)**
- 4- heat transfer**
- 5- smoke control**
- 6- tenability conditions**
- 7- people evacuation**
- 8- rescue and intervention**

“state of the art”

the first task of this group will be the preparation of a “state of the art” that will include general text explanation of the topics and contents, reglamentation references and a two line description of available relevant research done in that topic either by the members of this WG or external available references

members were proposed to contribute to all topics, but specifically to those that were told to:

- 1- fire scenarios, **f.block,j-f.cadorin**
- 2- design fires, **maslak, c.couto**
- 3- fire evolution, propagation, suppression, **a.lacasta,g.rhein, k.horova**
- 4- heat transfer, **d.pintea, sokol**
- 5- smoke control, **j-f.cadorin, j.delaquintana**
- 6- tennability conditions, **tsatsoulas**
- 7- people evacuation, **simmo hostika, e.galea, j.delaquintana**
- 8- rescue and intervention, **k.biskup**

planning schedule:

end july 2010: k.horova sends template of word doc to write the contributions in the same format

end october 2010: members send contribution to me

end january 2011: I will prepare a first version of the “state of the art” doc and I will distribute among the members for feedback

february 2011: prague workshop

j.de la quintana  
WG1  
chair