















Future developments The work is still in progress: we are currently waiting for approval of the design fire scenarios by the Fire Brigade Fire models will be applied and the structural analyses will be carried out in order to evaluate, for each design fire scenario, the safety performance level required to the structure. The fire development and its effects on the structure will be evaluated by softwares 0-ZONE, CFAST and FDS. The structural analyses will be carried out with reference to significant substructures by the non linear softwares SAFIR, ABAQUS and STRAUS7.

Open Questions

- Y How to model the intumescent paints in the thermal analysis with natural fire curves ?
- ✓ How to link CFD fire model and structural model ?
- THANKS FOR YOUR ATTENTION