

COST IFER

WP3 and WP4

WP3 – Fire Fighting Records – What can we gain?

Fire fighting intervention times

Evidence of travelling fires from observations

Actual fire area (after the fire)

Reliability of systems

- Dry/wet riser
- Sprinklers
- Automatic detection and alarm

Mechanisms how the fire brigade was alerted

Was flashover reached?

Statistical evidence of the above issues

WP3 – Fire Fighting Records – Potential Problems and solutions

Fire fighting reports are often not containing all the information engineers need as they are written for a different purpose.

Inform the fire brigade what would be good to include in their reports only works for the future.

There are large amounts of different reports in different formats and maybe not in a searchable database.

Review example reports from the different countries. The London Fire Brigade have a statistical database which could be a prototype for other Brigades.

WP3 – Fire Fighting Records – Use of International Examples

'The Real Fire Library' from the London Fire Brigade

Database from the Metropolitan Fire Brigade of Melbourne

Statistics in PD7974 Part 7

Database from NFPA

WP4 – Benchmark Studies

Studies with increasing complexity – Start simple and get complex

Consider all the three parts of fire safety, which for which modelling is used

- People Movement
- Fire and Smoke Development
- Response of Structure

Use realistic geometry and configurations

Use non-standard and off-grid geometry