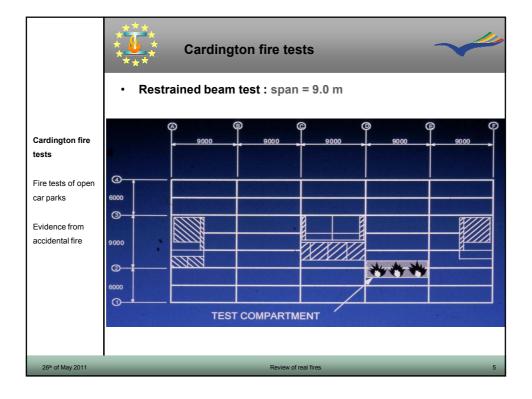
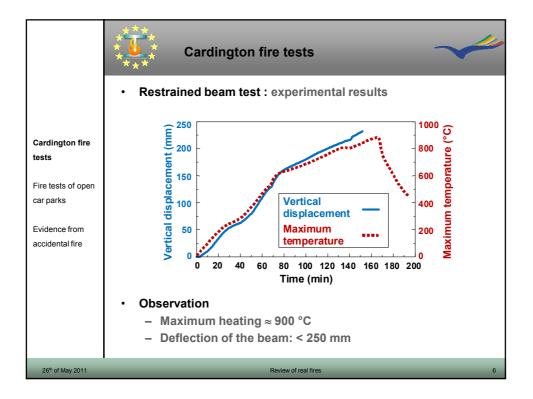
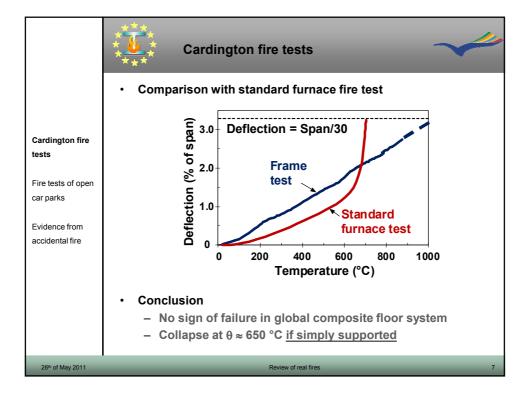
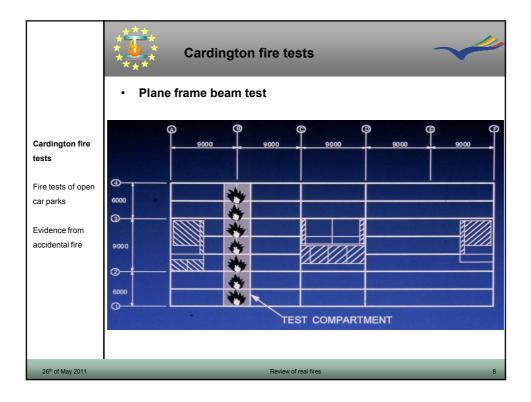


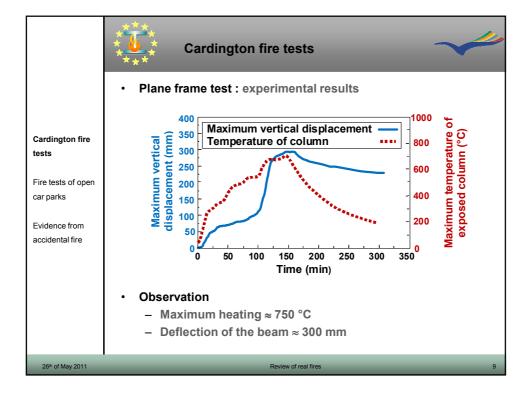
	Cardington fire tests
	Main parameters of the building
Cardington fire tests Fire tests of open car parks Evidence from accidental fire	 Length: 42 m in 5 spans of 9 m Width: 21 m in 3 spans of 6 m, 9 m and 6 m Height of storey: 4.2 m Steel members: UB for beams and UC for columns Composite slab: lightweight concrete with a total depth of 130 mm and a trapezoidal steel deck Steel mesh: 142 mm² Steel joints: fin-plates for beam-beam joints and flexible end plates for beam-column joints Applied load: sand bags
26 th of May 2011	Review of real fires 4

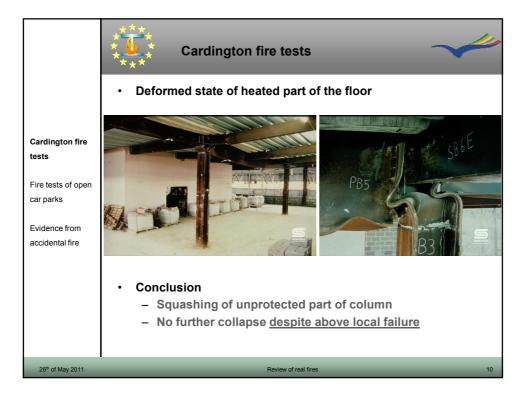


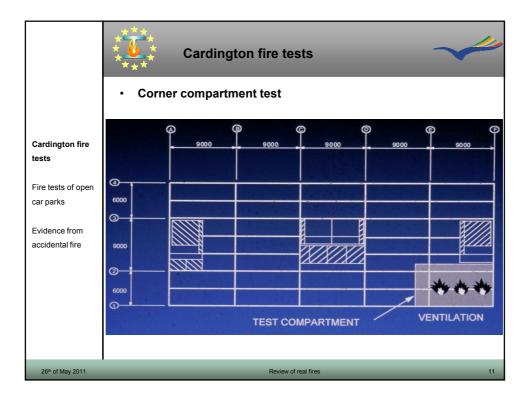


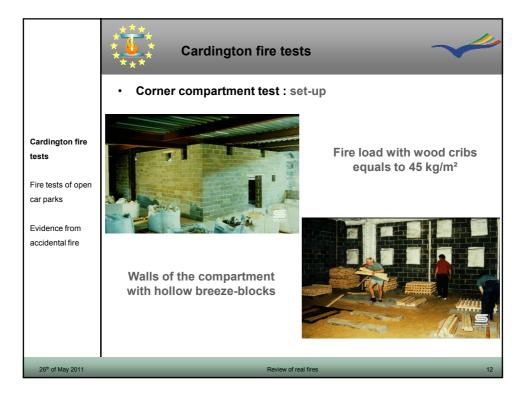


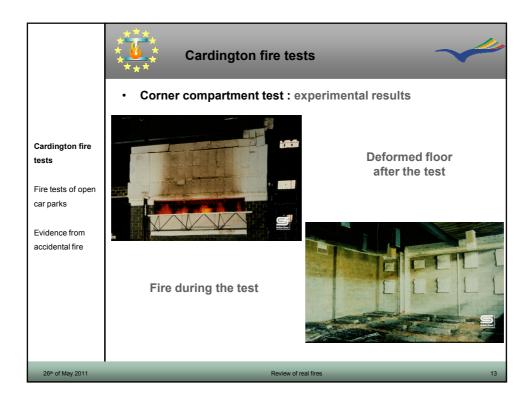


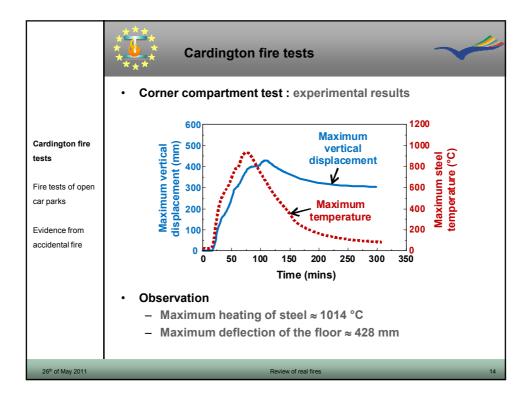


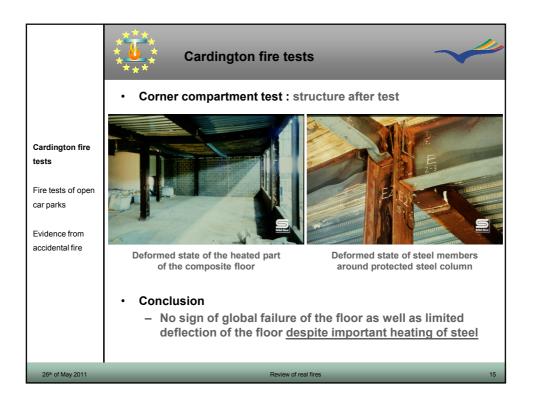


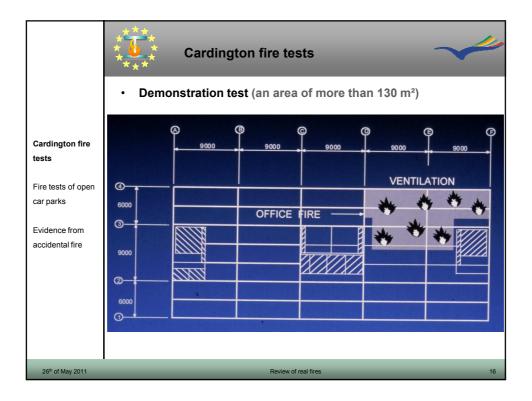


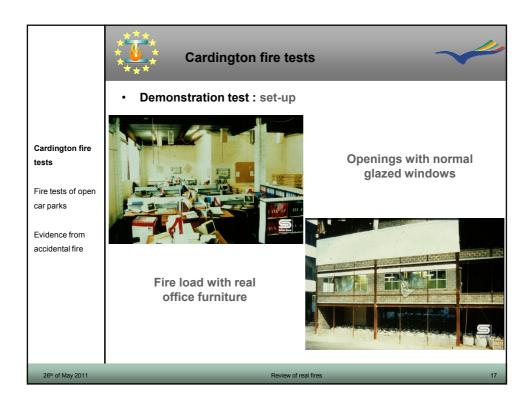


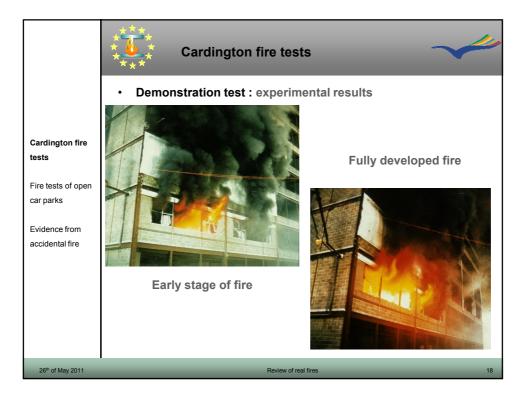


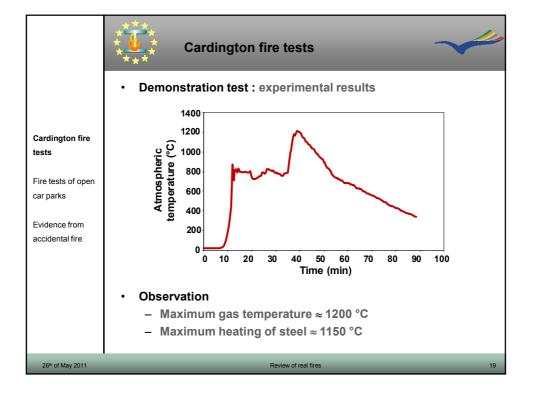


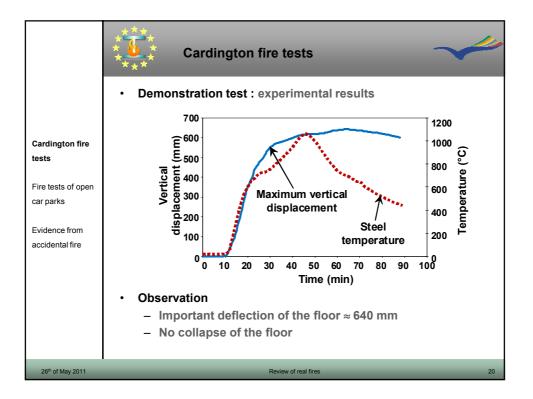


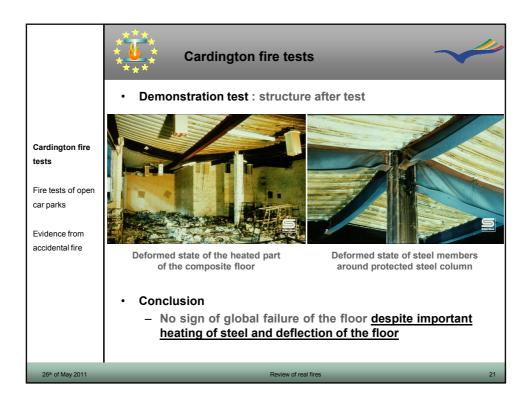


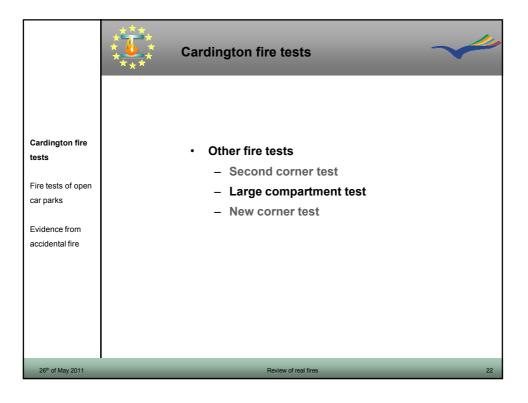


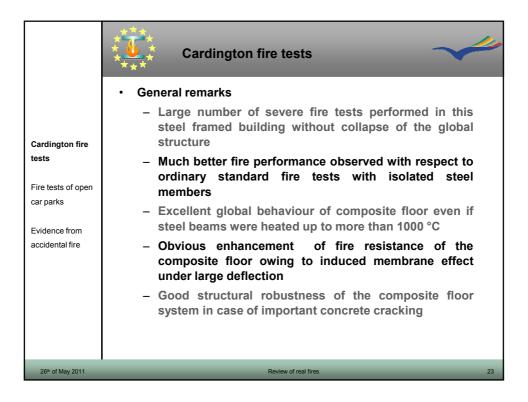


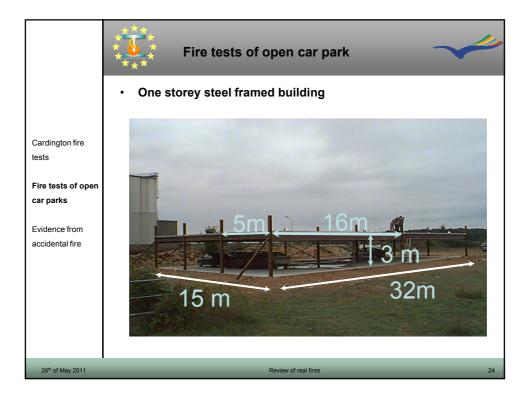


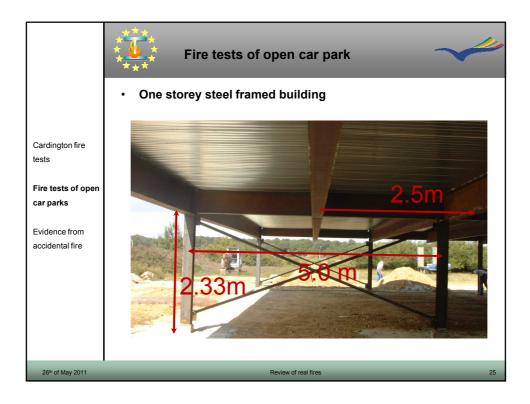












	Fire tests of open car park
	Main parameters of the structure
Cardington fire tests Fire tests of open car parks Evidence from accidental fire	 Length: 32 m in 2 spans of 16 m Width: 15 m in 3 spans of 5 m Height of storey: 3.0 m Steel members: IPE for beams and H for columns Composite slab: normal weight concrete with a total depth of 120 mm and a re-entrant steel deck Steel mesh: Steel joints: double angle web cleats for beam-beam joints and end plates for beam-column joints Applied load: real cars
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