MULTISIMULATION RESULTS

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Summary sheet

Parameter	Value	Additional remarks
General		
Software version	v2.0.1	2024-02-28
Project name	demo	
Scenario name	simple	
Number of iterations	10	
Risk indices		
Individual risk	1.999e-12 [--]	with a 95% confidence RMSE of 8.762603638815924e-07
Societal risk (WRI)	0.000e+00 [fatal.]	risk aversion included
Societal risk (AWR)	4.397e-11 [fatal.]	
Evacuation		
RSET	284.8 s	mean with standard deviation of 75.1 s
ASET	1000.0 s	mean with standard deviation of 0.0 s
Overlapping index of ASET/RSET	0.0 s	
Fire		
Upper layer temperature	81.7°C	mean of maximum value with a standard deviation of 8.8°C
Neutral plane height	37.2 cm	mean of minimum value with a standard deviation of 35.3 cm
Visibility	2.5 m	mean of minimum value with a standard deviation of 1.4 m

Plots

Individual risk

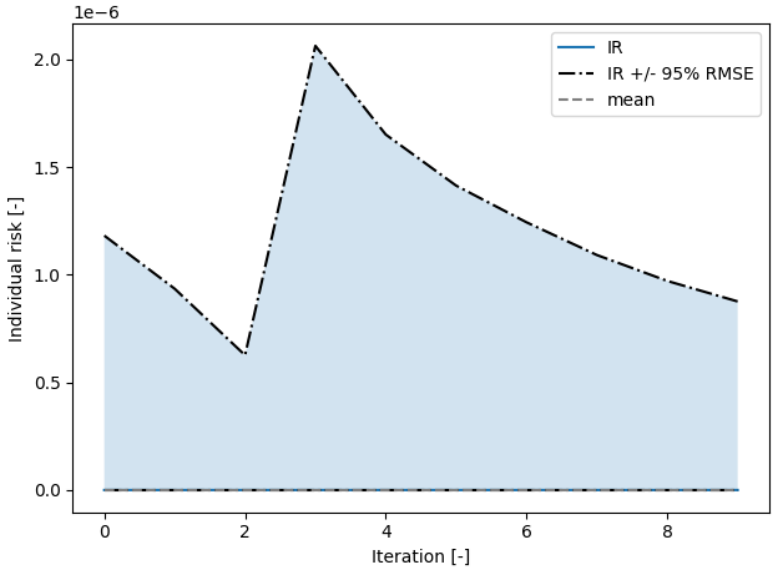

Figure 1: Convergence of individual risk in subsequent iterations

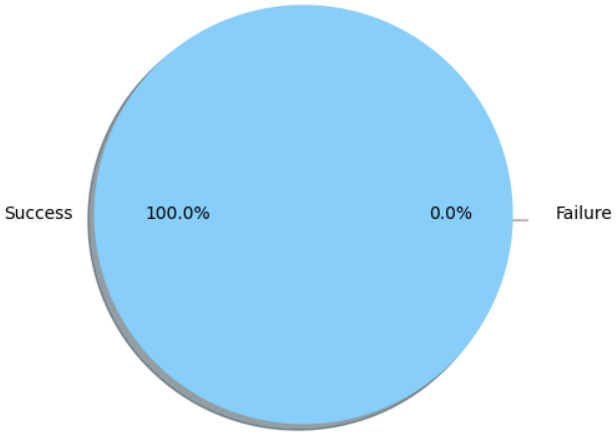

Figure 2: The share of iterations with failure of safety systems (at least one person with FED > 1)

Societal risk

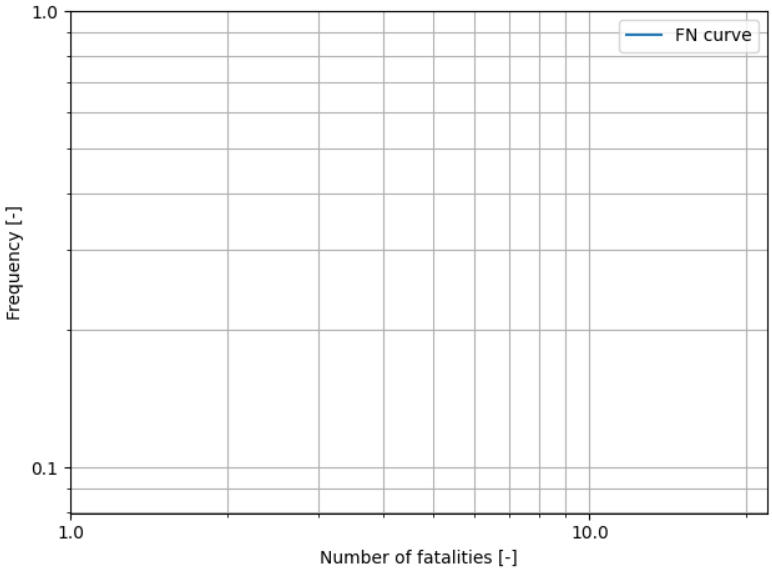

Figure 3: FN curve for the scenario

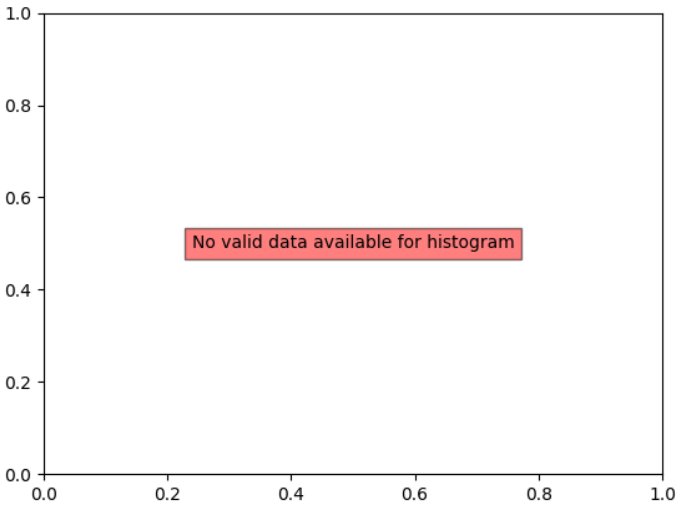

Figure 4: Fatalities histogram (PDF)

Heatmaps of FED absorption

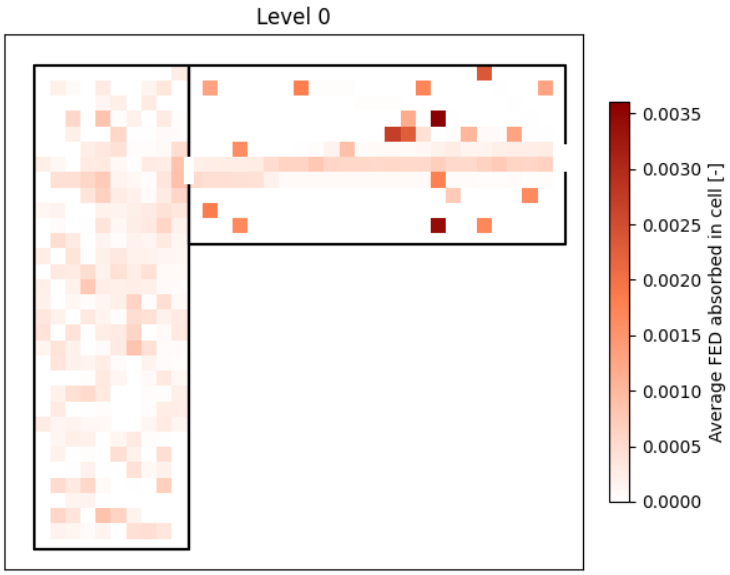

Figure 5: Heatmap of FED absorption on level 0

Fire submodel

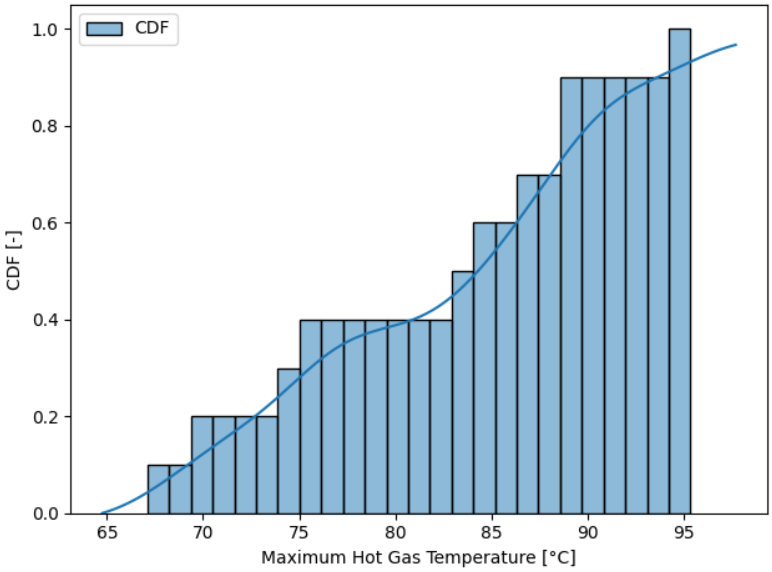

Figure 6: Cumulative distribution function of maximal temperature

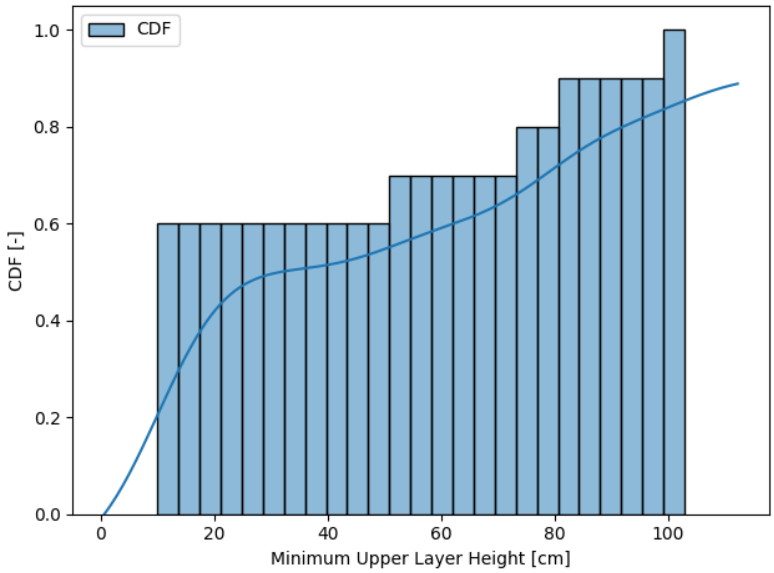

Figure 7: Cumulative distribution function of minimal hot layer height

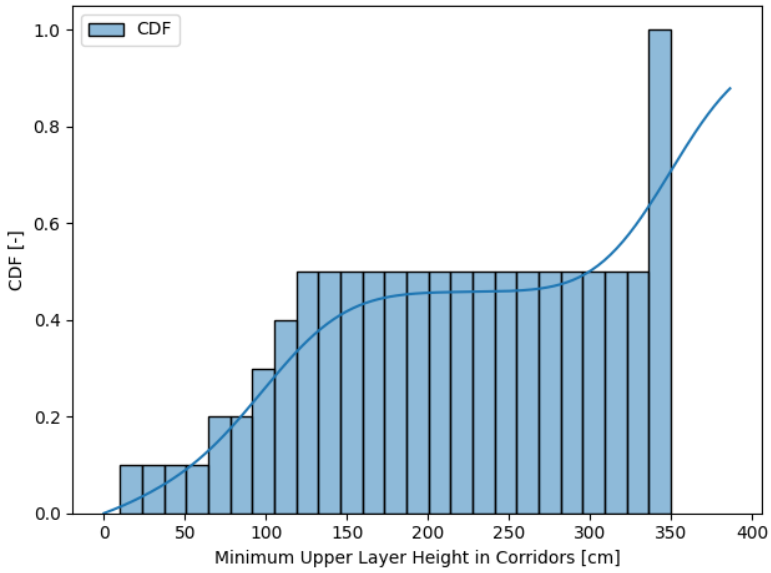

Figure 8: Cumulative distribution function of minimal hot layer height on the evacuation routes

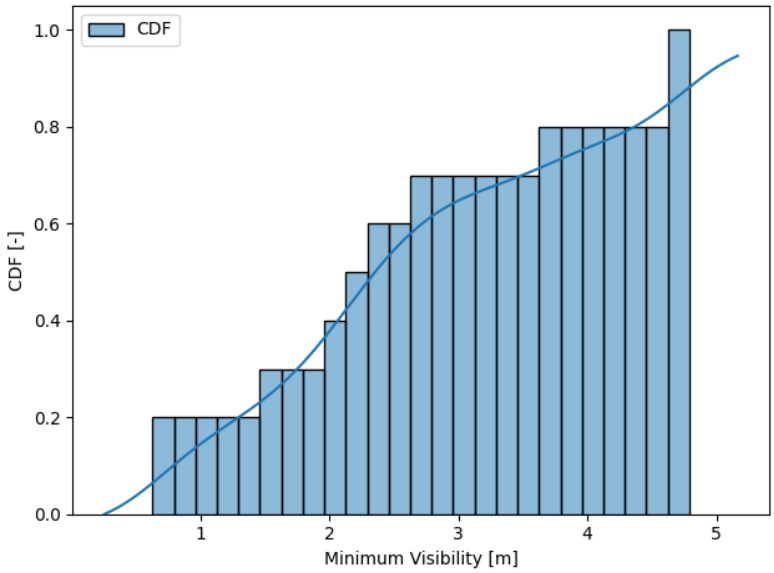

Figure 9: Cumulative distribution function of the minimal visibility

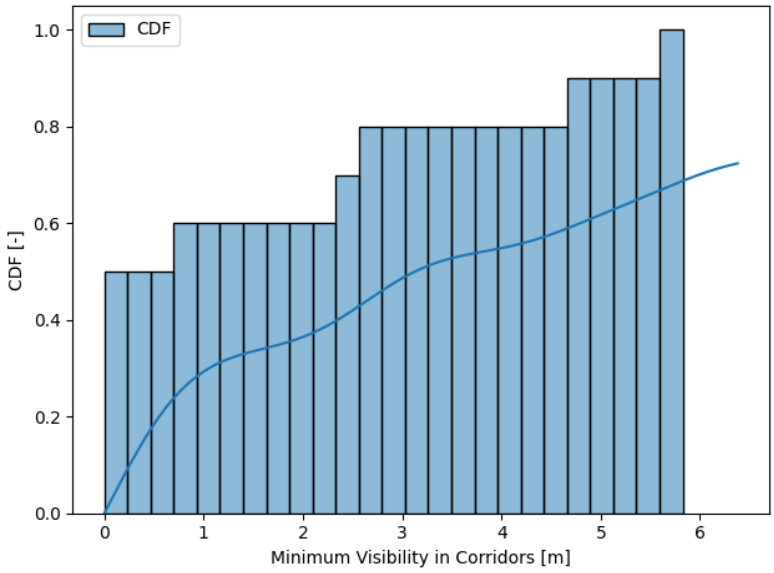

Figure 10: Cumulative distribution function of the minimal visibility on the evacuation routes

Evacuation submodel

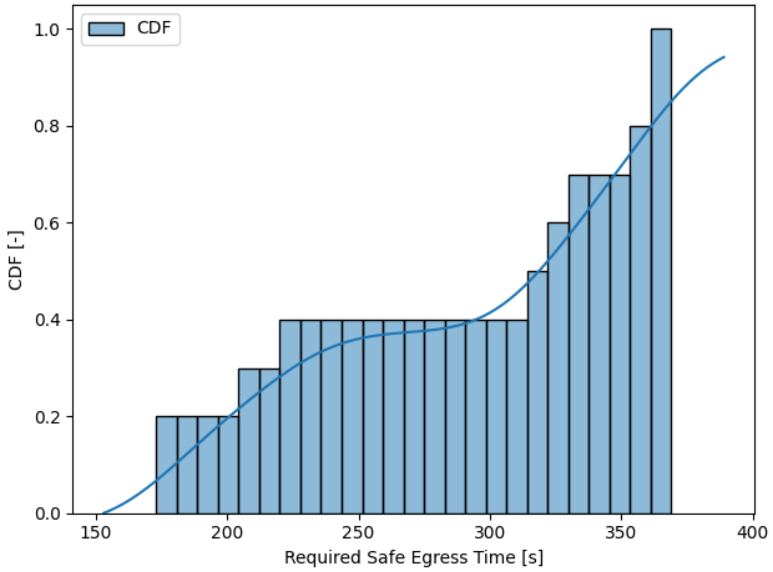

Figure 11: Cumulative distribution function of RSET

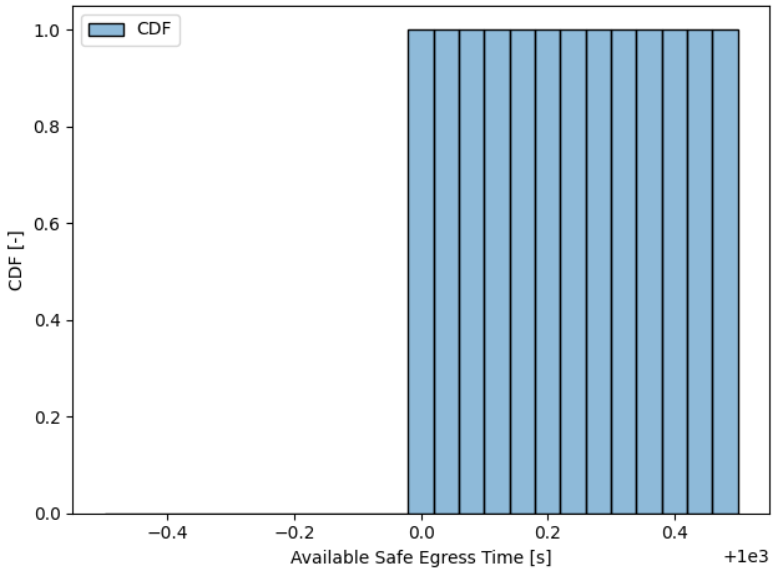

Figure 12: Cumulative distribution function of ASET

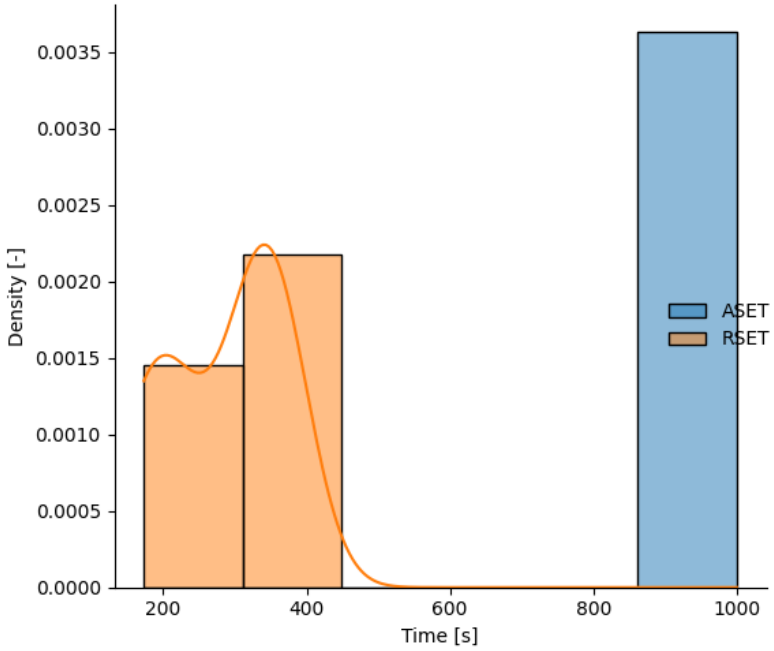

Figure 13: Probability density functions of RSET and ASET