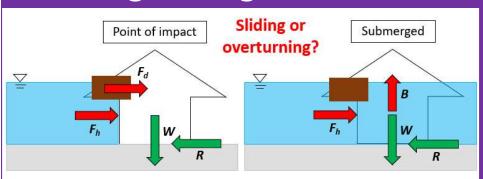
Building damage assessment

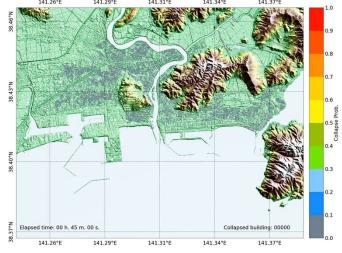


Obs. vs **Analytical method**

Obs. vs **Fragility functions**



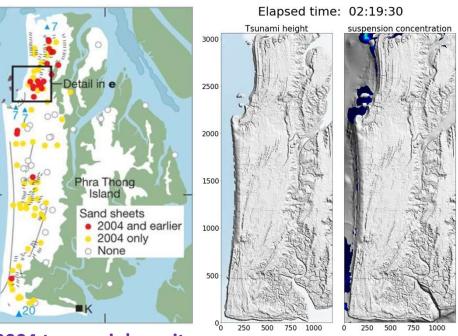
Visualization of the results



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Sediment transport modeling



2004 tsunami deposits

Max. water level Suspended Comparison of Tsunami deposits (d=0.127mm) sediment Measured concentration Simulated > 5 m (> 1 m for 2011 tsunami) > 1.5 m/s (> 0.6 m/s for 2011 tsunami) Distance from coastline(m)