Stream Processing

- The sensor infrastructure produces streams of data indicating the context of trainees.

- Such streams should be aggregated, fused and mapped to the building model/representation.

- The building model should be enriched with information about the occupancy of certain rooms, the evacuees' speed in corridors, the evacuation flux in designated exit points, etc.

Interface between sensors and models
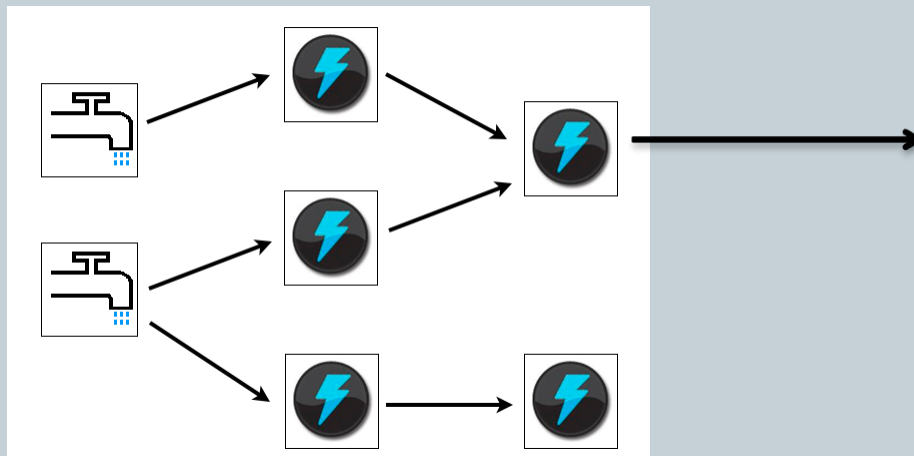
Applications (PI, assessment, archive)

Building Model

Stream processing

Sensor infrastructure

Tools

Stream processing facility:
Apache Storm

Storm Bolts:
Java