

Pedestrian events are frequently organised. Not all without casualties. Especially sports events, music events and major pilgrimages cause the gathering of very large crowds where small triggers may lead to terrible results. Several pedestrian crowd events that became disasters occurred in the last decade. While these events are organised on a regular basis, not a lot is known about the occurring pedestrian motions.

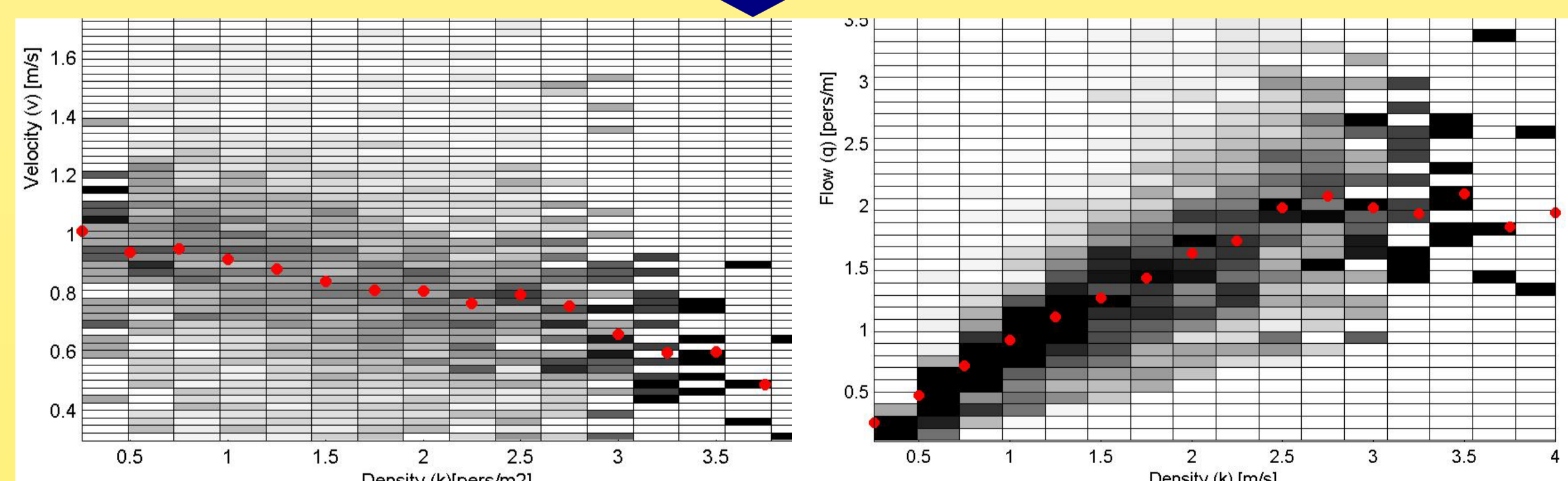
Objectives

- ◆ To expand the knowledge on crowd movements
- ◆ To build a simulation model specially developed for the simulation of crowd motion
- ◆ To provide the information to better understand, predict and assess crowd movements before large crowd events in order to prevent and alleviate crowd disasters.

Expected contributions

- ◆ A more profound understanding of crowd dynamics
- ◆ Increased understanding of differences between individual and crowd movements
- ◆ Improved crowd simulation model
- ◆ Crowd movement data
- ◆ Improvement data collection methodology

Data Collection



Research methodology

