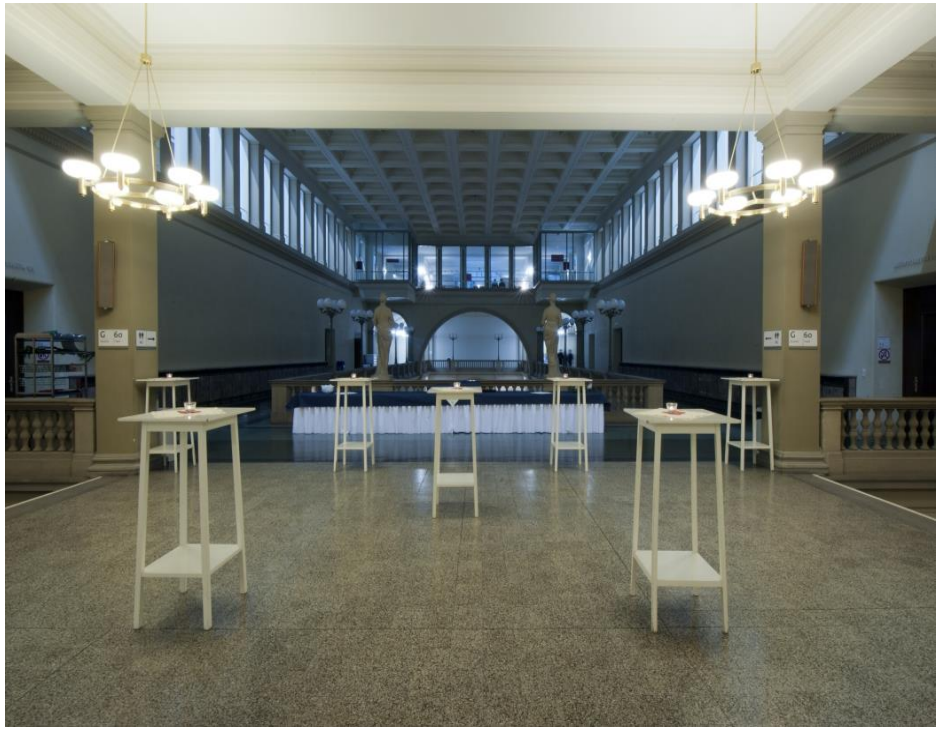
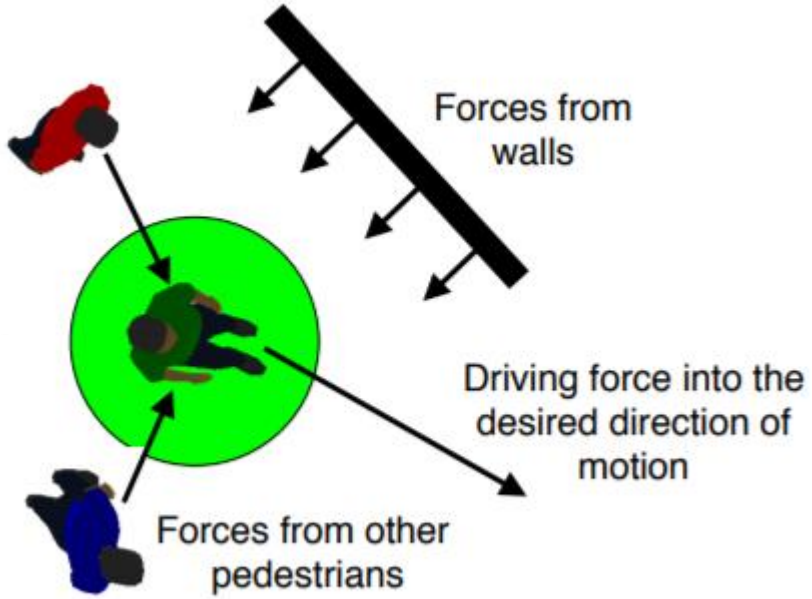
How do participants act during an apéro at ETH





- How does the number of
  - People
  - Food / drinks
  - Tables

affect the behavior of the participants ?

$$\underbrace{\frac{dv_\alpha}{dt}}_{\text{acceleration}} = \underbrace{\frac{1}{\tau_\alpha}(v_\alpha^0 e_\alpha^0 - v_\alpha)}_{\text{driving force}} + \underbrace{\sum_{\beta(\neq\alpha)} F_{\alpha\beta}^{\text{int}}}_{\text{interactions}} + \underbrace{F_\alpha^{\text{walls}}}_{\text{boundaries}}$$

- What happens if there are several exits from the lecture hall ?

[1] D. Helbing, P. Molnar. Social force model for pedestrian dynamics (1995)
[2] D. Helbing. Modeling and Simulation in Computational Social Science, Course Material (2017)