



Ostfalia

Hochschule für angewandte
Wissenschaften

Smart City Challenge

Paul Valentini, Vincent Gnad, Felix Bauer, Sarah Stüben, Anjela Lehnert

Ostfalia University of Applied Sciences

– Hochschule Braunschweig/Wolfenbüttel

Salzdahlumer Str. 46/48 · 38302 Wolfenbüttel · Germany

Versorgungstechnik



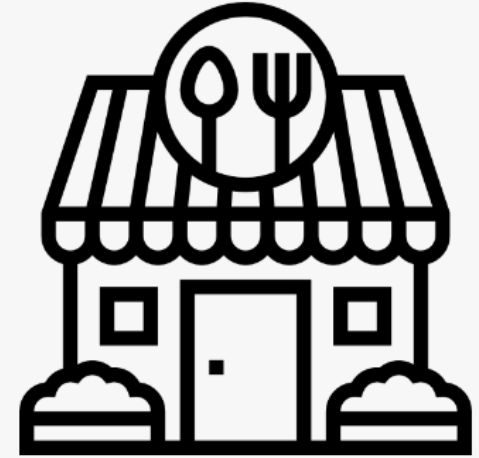
The change of vitality levels in certain civil areas and its ´ development

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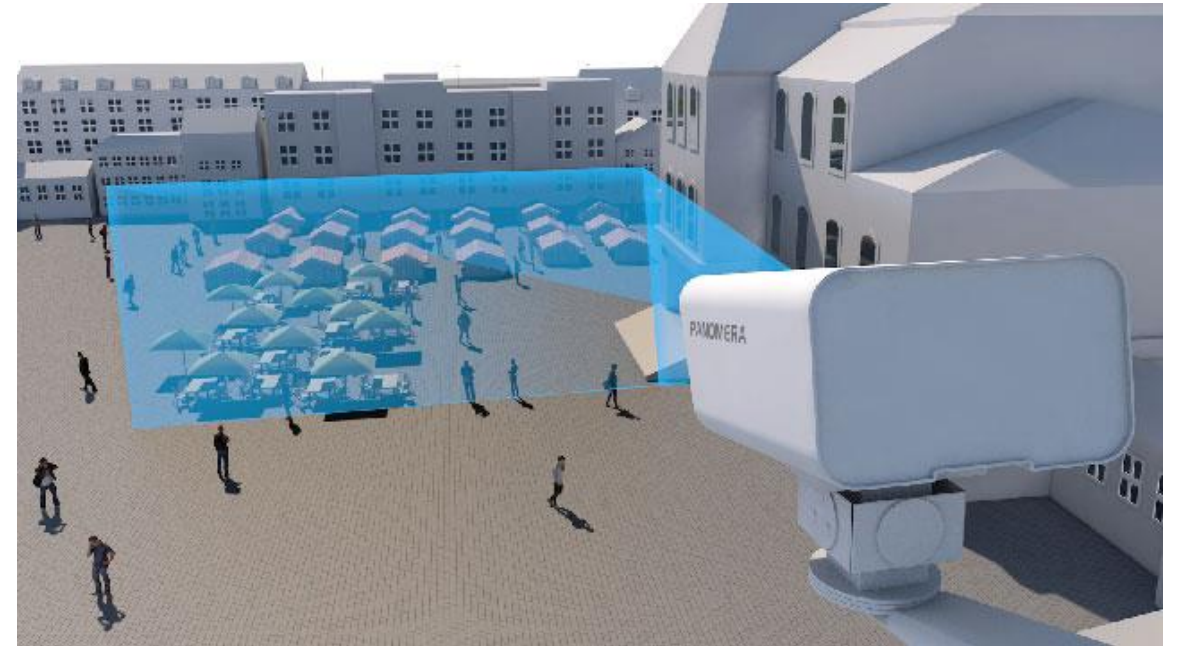
KNOWN - Static data now

- Inhabitated
- Building usage
- Need for refurbishment
- Vacancy

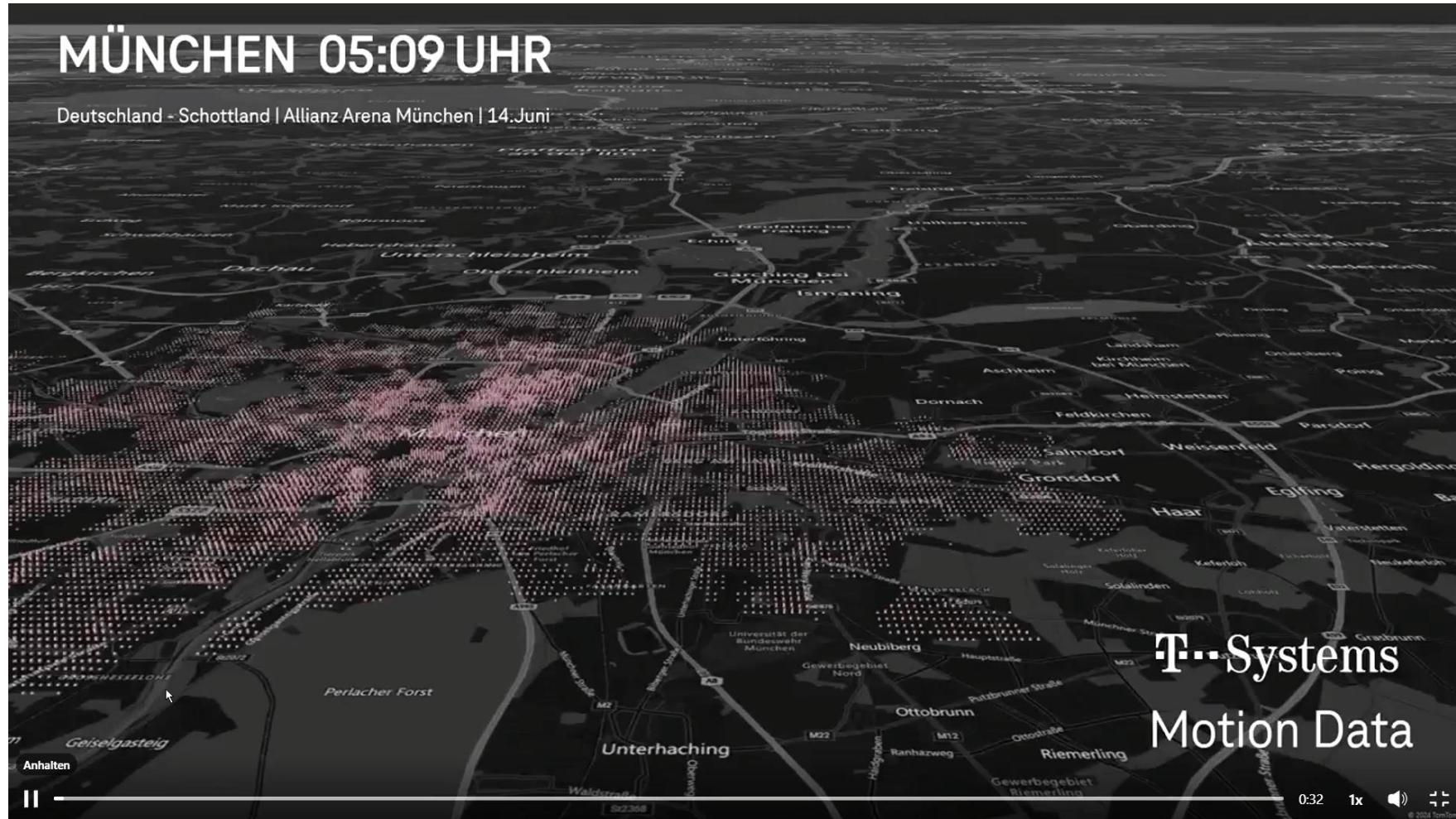


UNKNOWN – Movement Data

- Using cameras to evaluate pedestrian movement data
- Recognizing walking speed, walking direction and time of stay
- Tracable indicator of a neighbourhoods' vitality level
- Differentiating everyday movement and special occasions



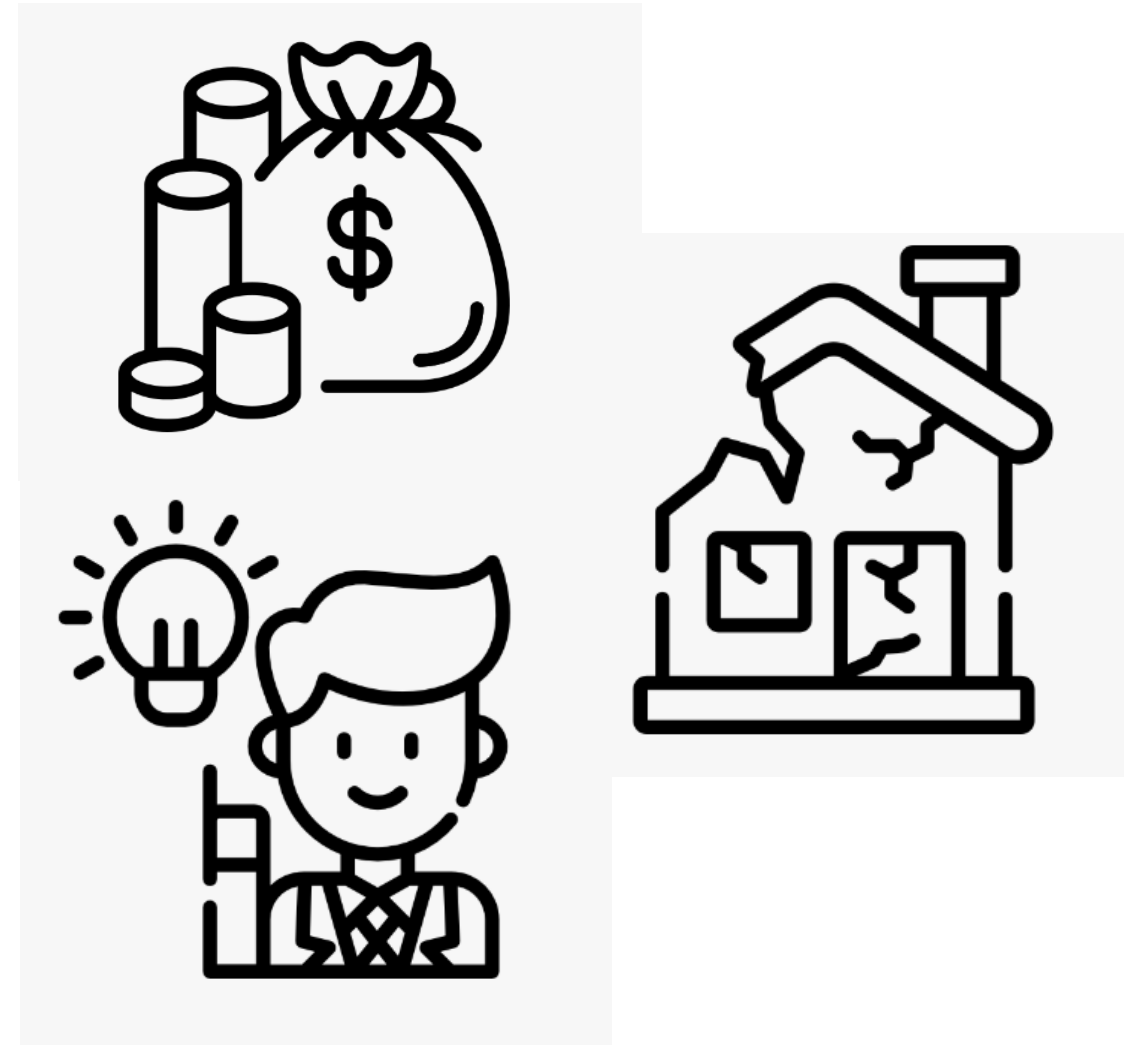
„UNKNOWN“



Munich –
06/14/2024
European
Championship;
Mobile Traffic
according to
location

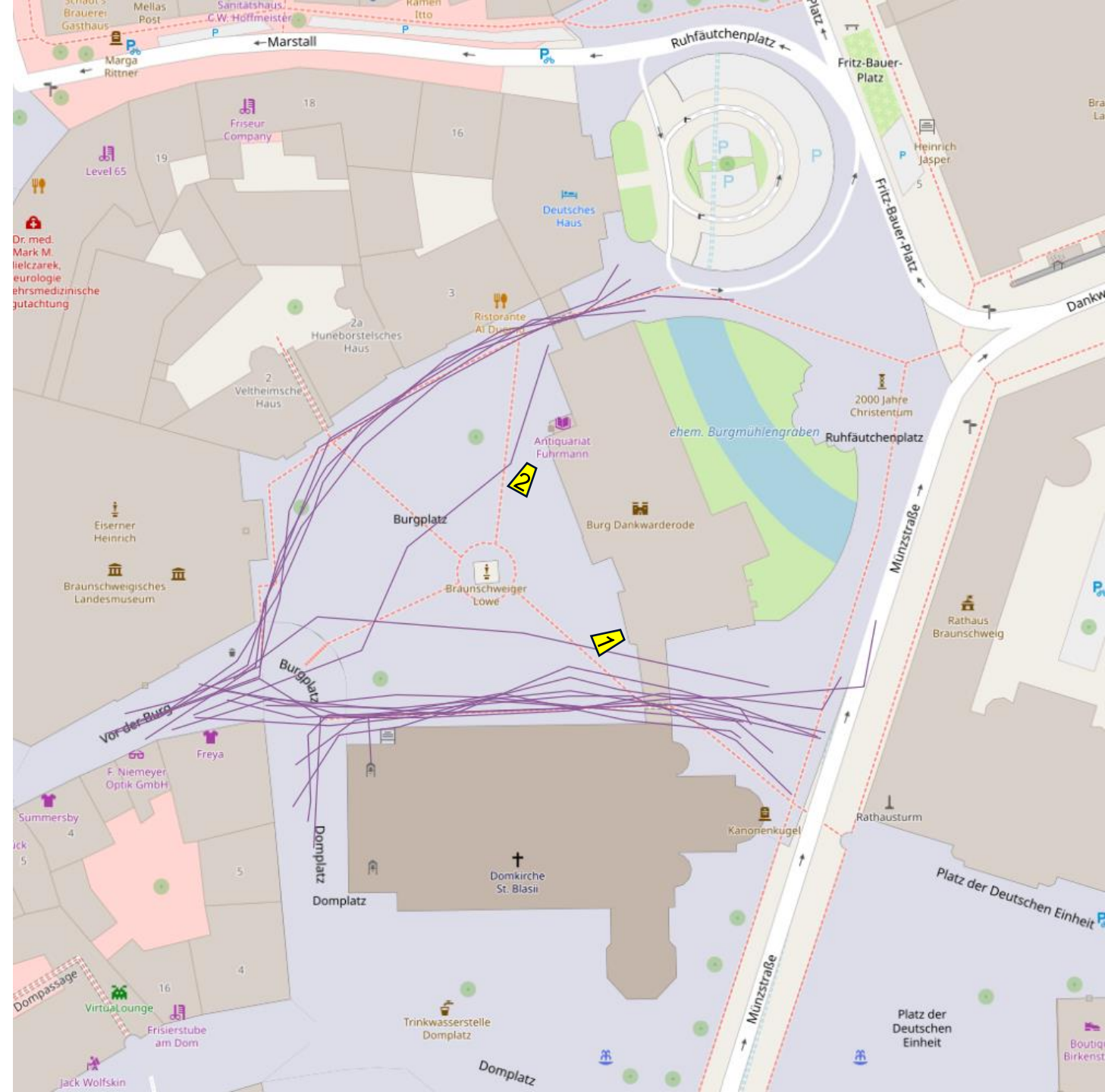
Application

- Combining the KNOWNs and UNKNOWNs:
 - Early recognition of decay in certain locations
 - Saving hidden costs
 - Recognizing unused areas
 - potentially able to react early
 - preventing the fast decay
 - potential for innovative ideas

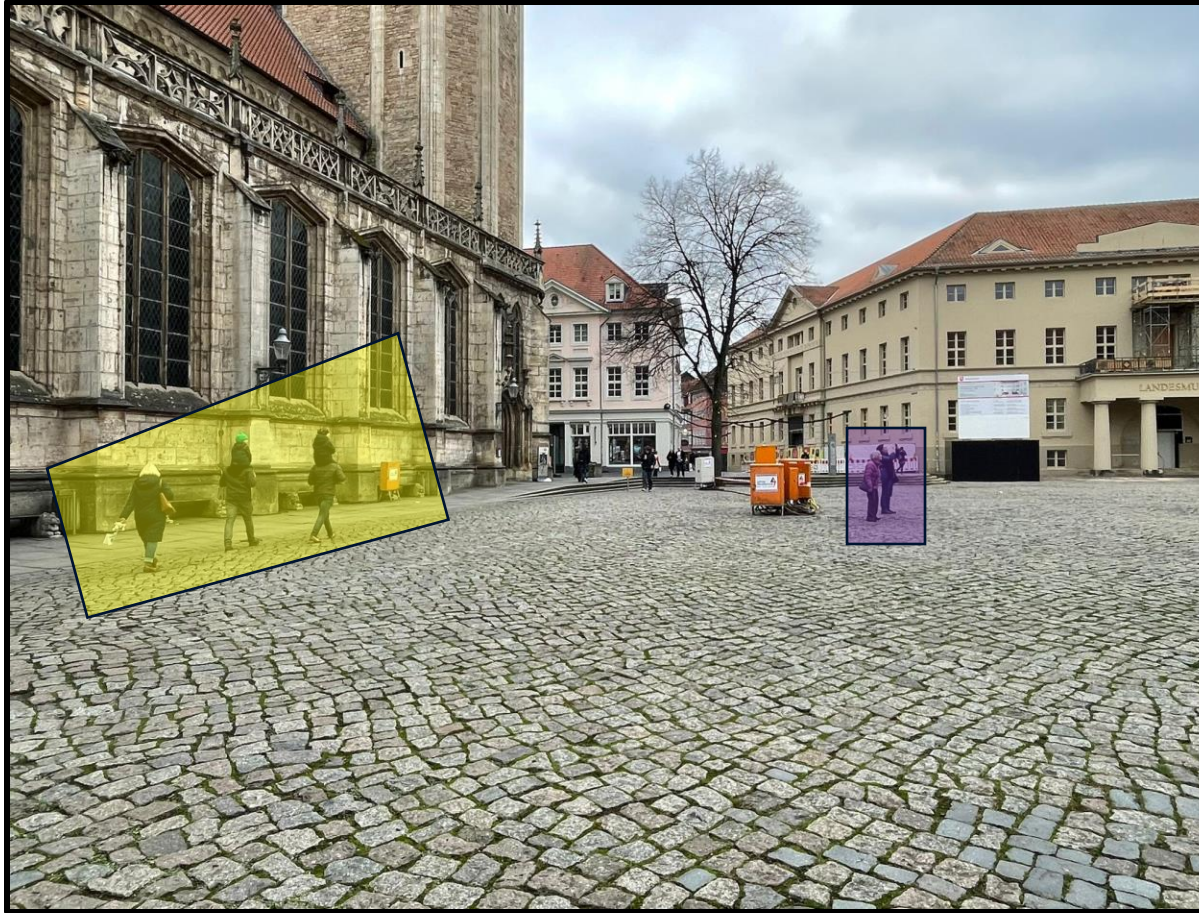


Example: Burgplatz, Brunswick

- Purple: walking paths
 - Crowded towards the surrounding buildings
 - rarely does a person walk through the centre
- mostly touristic activity



Example 1: Burgplatz, Brunswick (yellow: usual traffic; purple: touristic)



Perspective 1



Perspective 2



Example 2: Kohlmarkt, Brunswick

- Yellow: crowded area
 - Use of seating options
 - No vacant buildings surrounding the „Kohlmarkt“
 - Attractive for food and tourism
- Historic sites nearby

