

# Policy Approaches for Placing Parcel Lockers in Public Space



The ULaDS project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 861833. ULaDS is a project under the CIVITAS Initiative.



# Setting the Scene



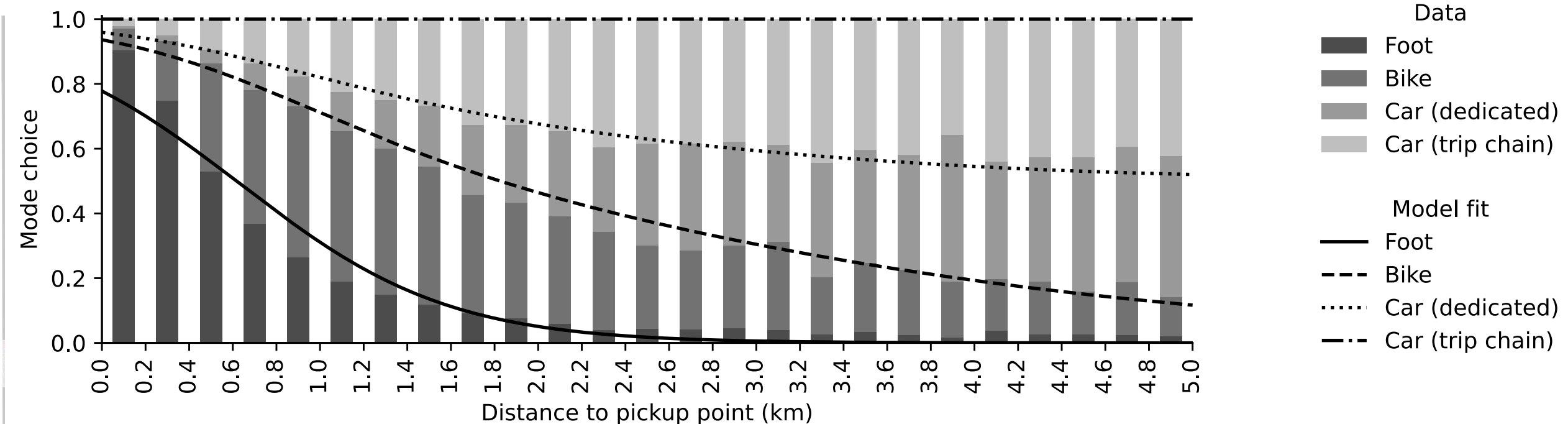
# Local authority perspective

- Perceived room for societal impact:
  - Emissions
  - Nuisances by delivery vehicle
  - Nuisances at locker
  - Customer Preferences
  - Innovation
  - Pull effect

# Local authority perspective

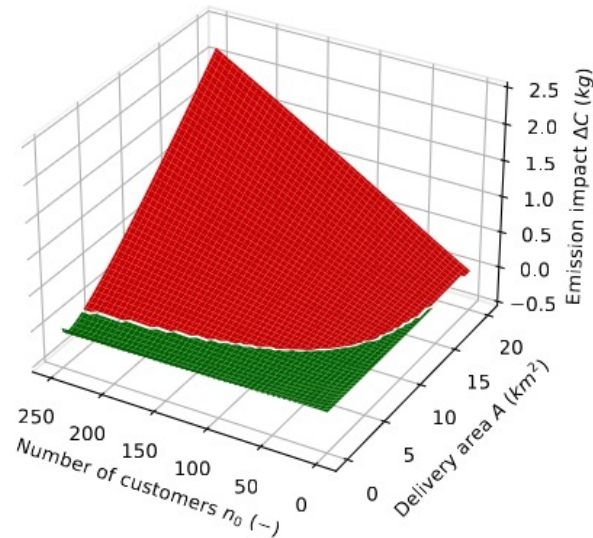
| City     | Emissions | Nuisances<br>by vehicle | Nuisances<br>at locker | Customer<br>preferences | Innovation | Pull effect |
|----------|-----------|-------------------------|------------------------|-------------------------|------------|-------------|
| City A   | 25        | 10                      | 25                     | 25                      | 10         | 5           |
| City B   | 10        | 40                      | 30                     | 10                      | 0          | 10          |
| City C   | 20        | 25                      | 10                     | 15                      | 10         | 20          |
| City D   | 35        | 35                      | 15                     | 15                      | 0          | 0           |
| City E   | 21        | 30                      | 21                     | 11                      | 6          | 11          |
| City F   | 25        | 30                      | 10                     | 20                      | 5          | 10          |
| City G   | 0         | 20                      | 30                     | 20                      | 15         | 15          |
| City H_1 | 30        | 30                      | 30                     | 0                       | 10         | 0           |
| City H_2 | 20        | 20                      | 20                     | 20                      | 20         | 0           |
| City J   | 0         | 60                      | 25                     | 5                       | 5          | 5           |
| City K   | 33        | 34                      | 33                     | 0                       | 0          | 0           |
| City L_1 | 10        | 40                      | 10                     | 30                      | 5          | 5           |
| City L_2 | 30        | 20                      | 20                     | 30                      | 0          | 0           |
| City M   | 0         | 0                       | 100                    | 0                       | 0          | 0           |

# Local authority perspective

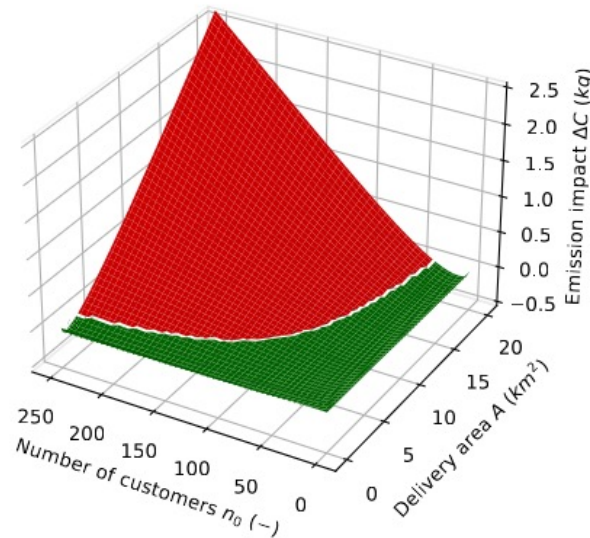




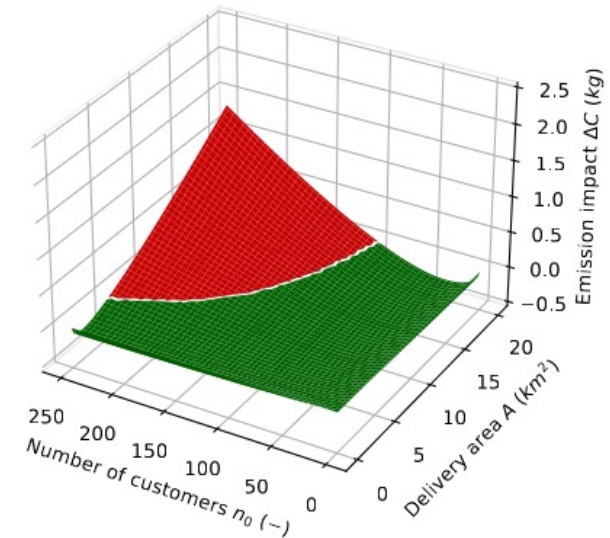
# Local authority perspective



(a) Rural

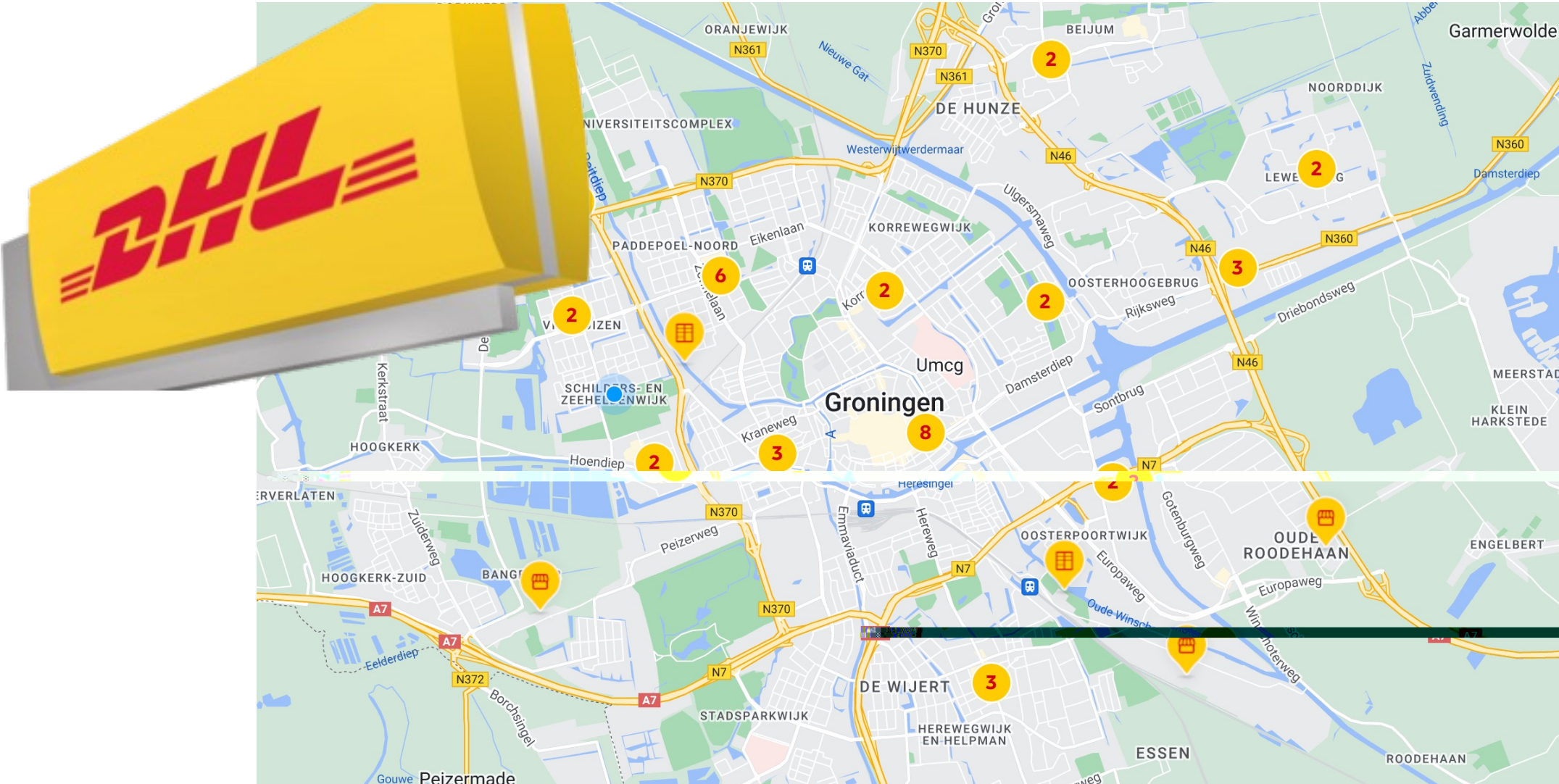


(b) Suburban



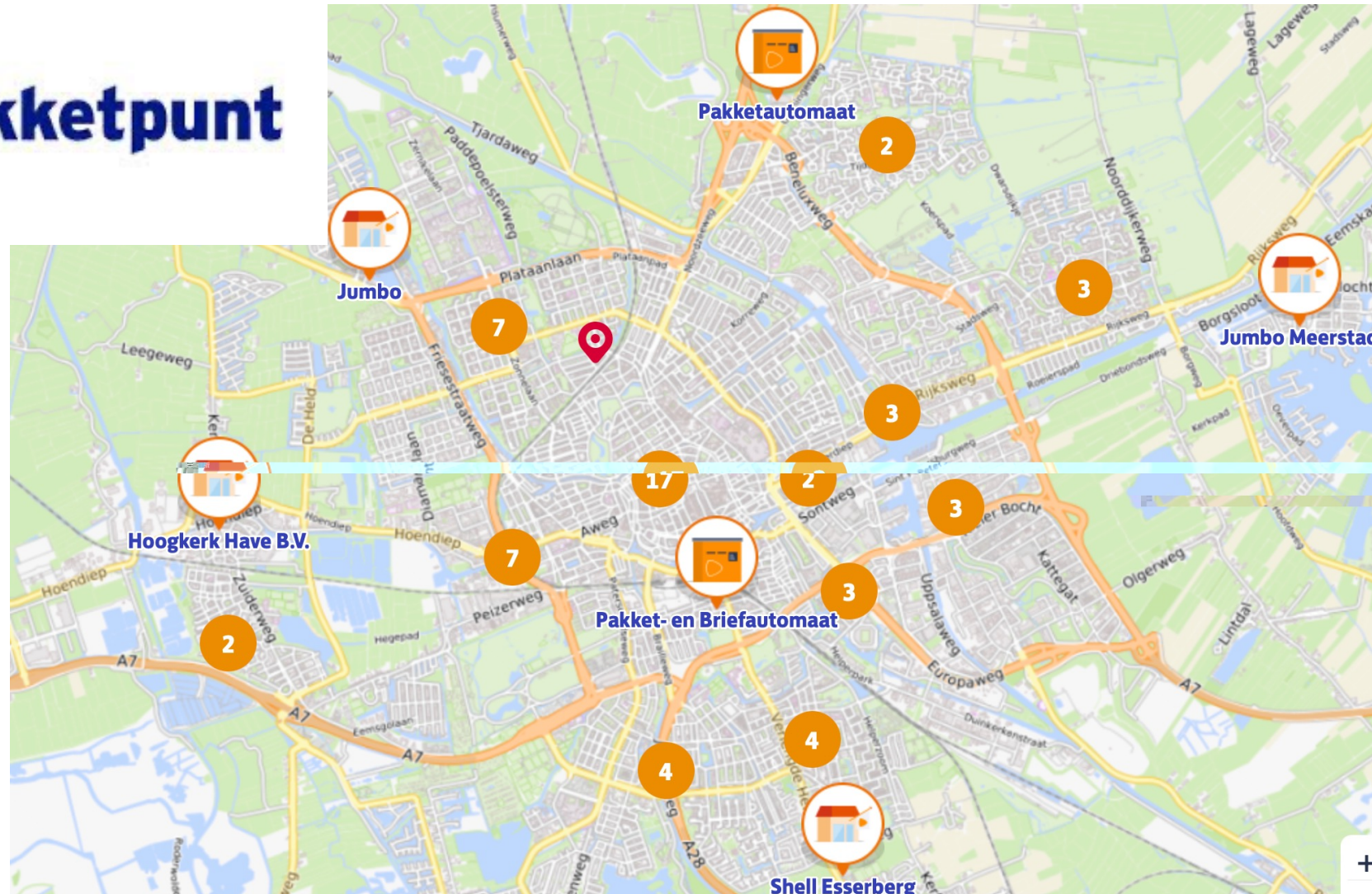
(c) Urban

# Industry perspective



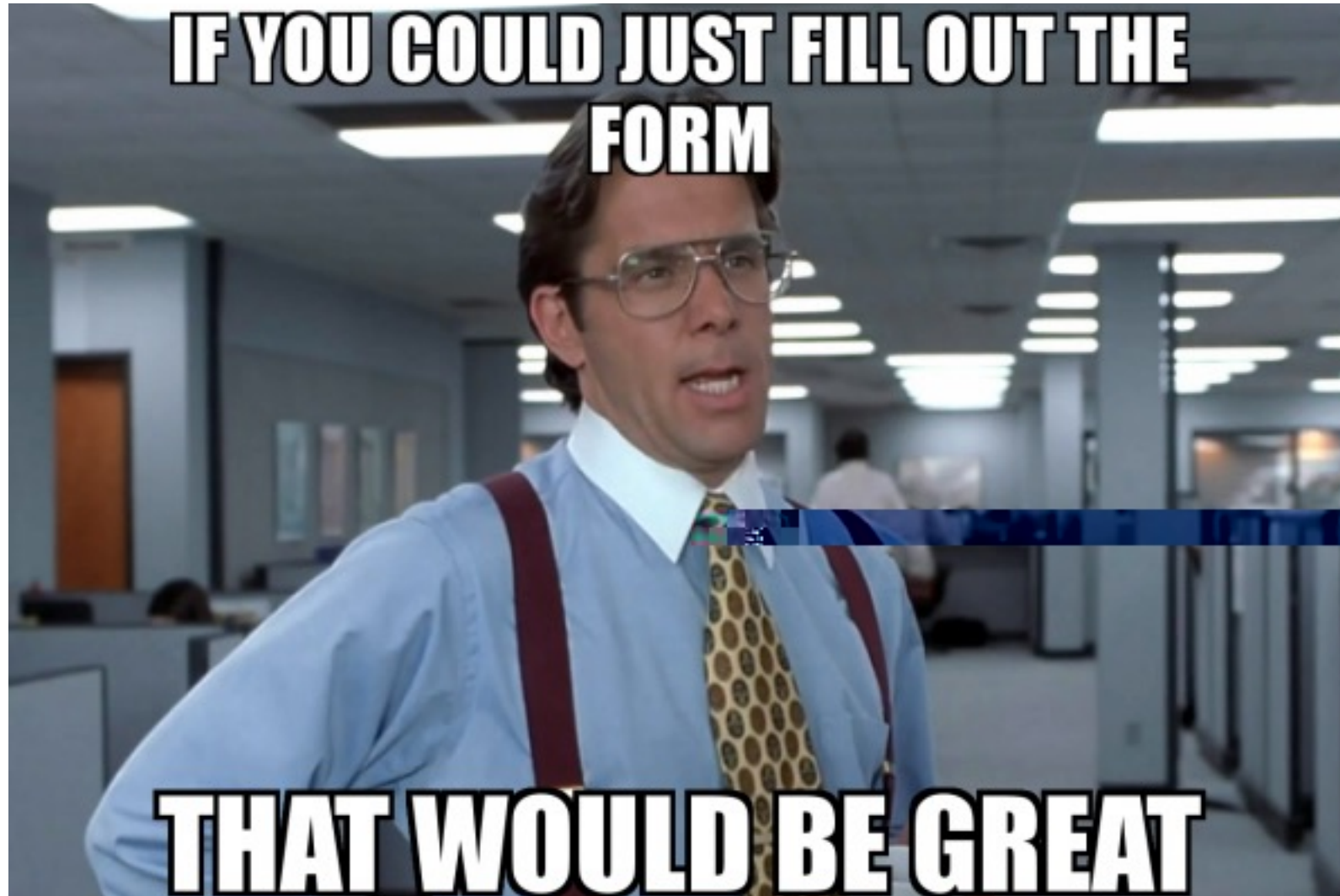


# Industry perspective

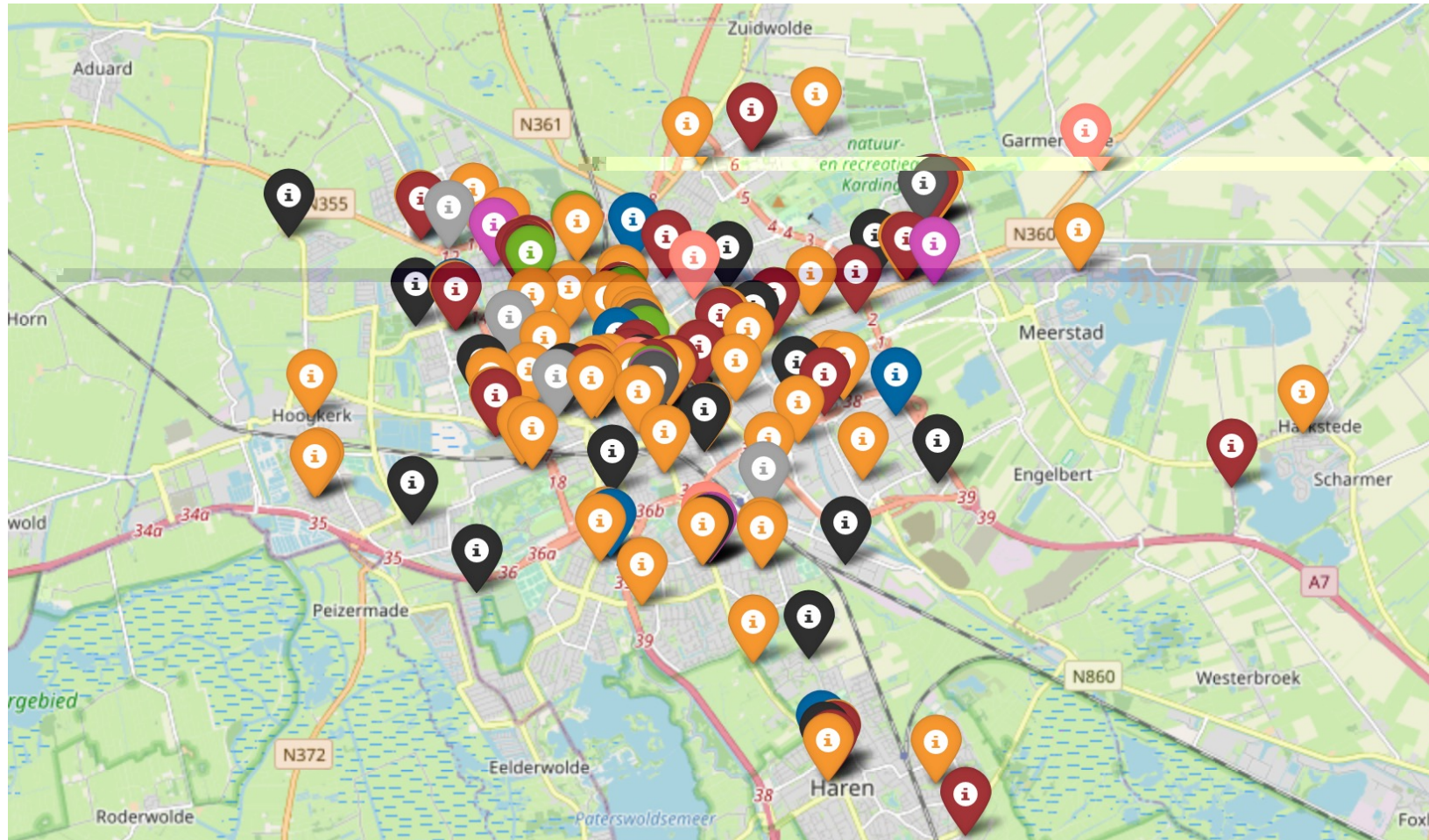




# Dominant Policy approach

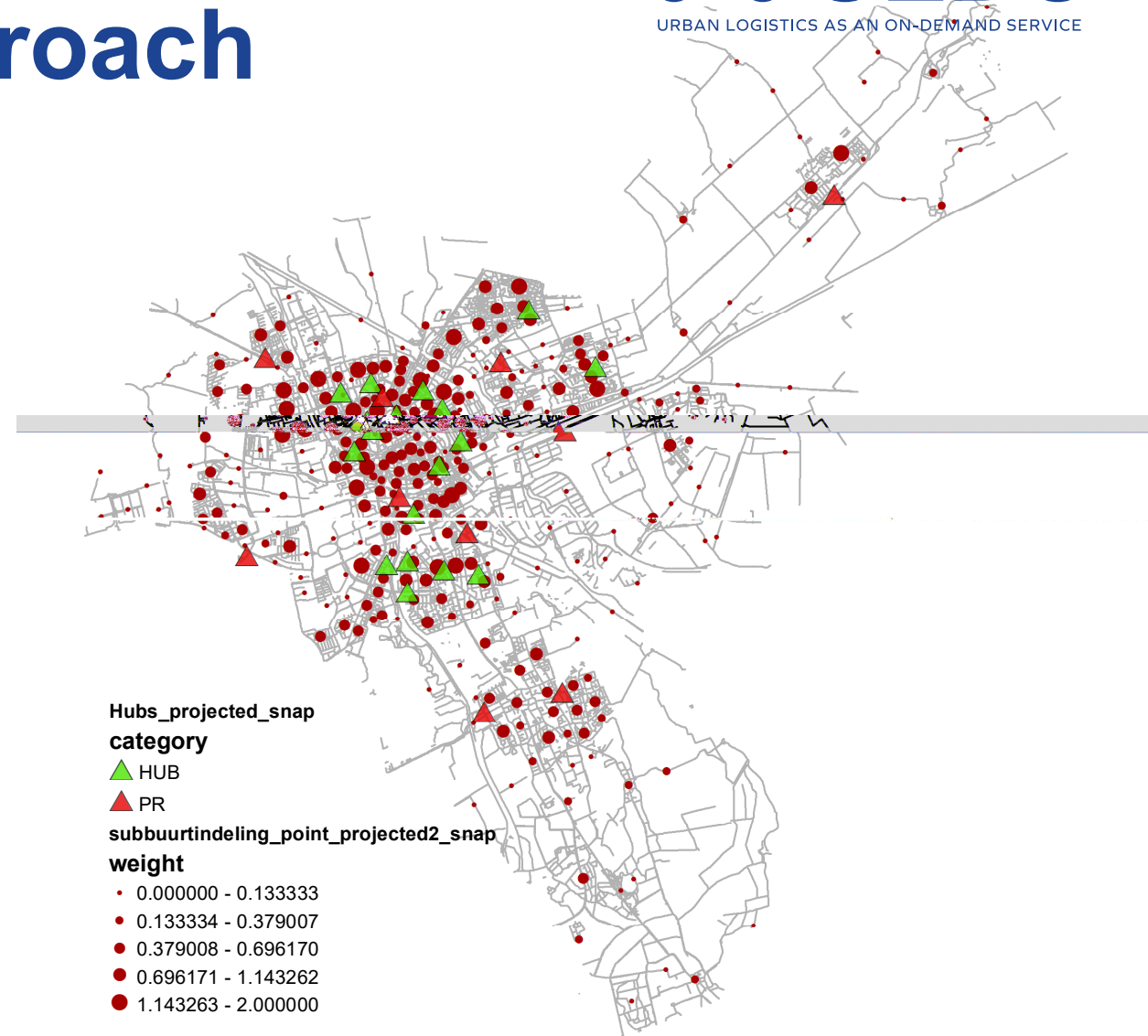


# Integrated Policy approach



# Integrated Policy approach

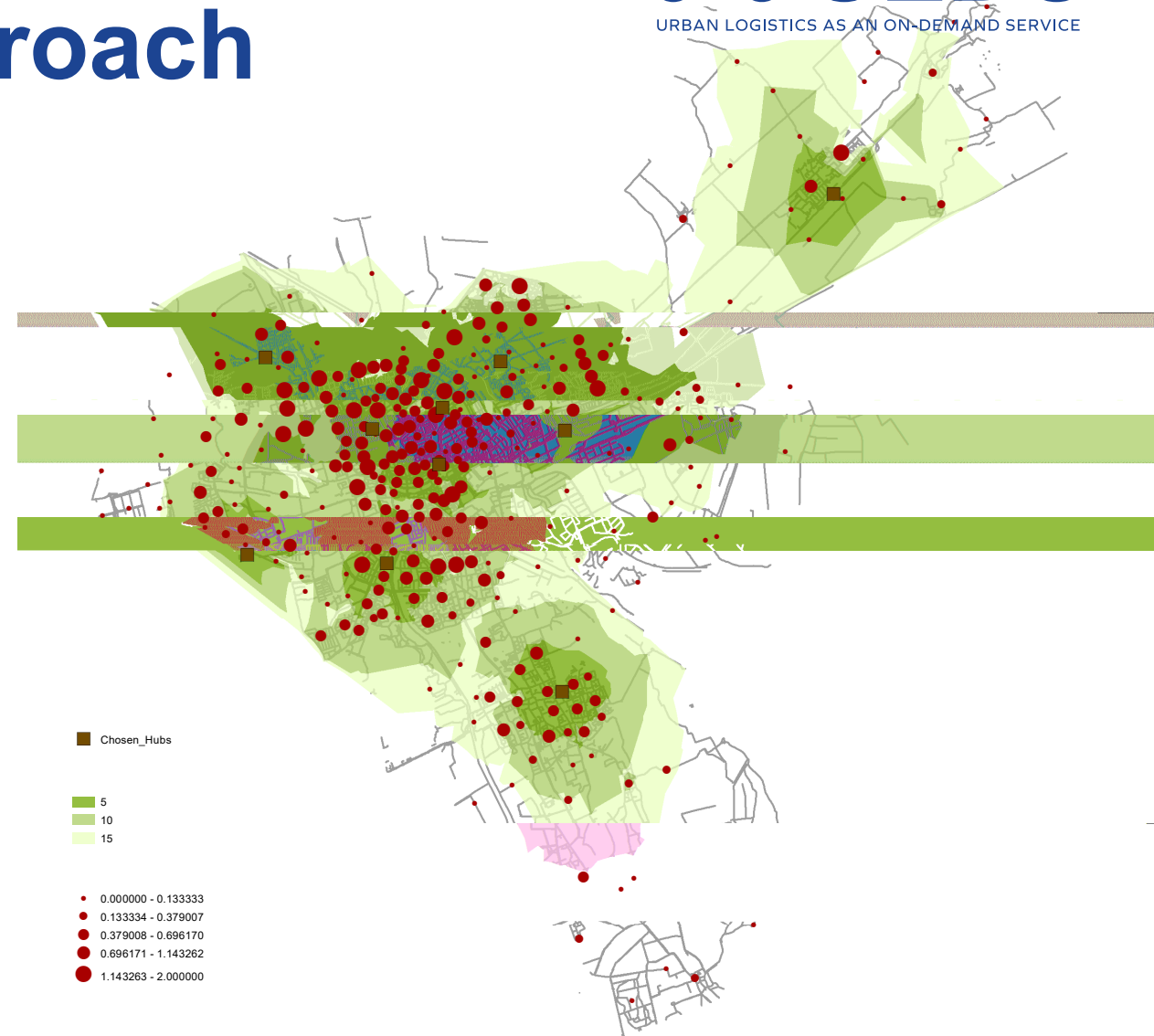
- Spatial analysis to identify the best location for parcel lockers





# Integrated Policy approach

- Spatial analysis to identify the best location for parcel lockers



# Publication opportunity



Special Issue on urban logistics facilities: sustainability impacts, real estate and urban planning

- Heleen Buldeo Rai, Bram Kin, Paul Buijs, Laetitia Dabanc
- planning policies for urban logistics facilities; sprawl/proximity logistics; stakeholder engagement; social/environmental impact
- Abstract before October 31 (e-mail to editors), 2023; full paper before March 15, 2024

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