

POLIS

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Making space for urban logistics – a framework for parcel lockers

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Urban logistics as a service for commuters at park & ride – an ULaaDS research trial

Aims:

- add logistics services to a P+R area on the outskirts of Groningen
- develop an attractive service for commuters
- make logistics more sustainable by reducing and replacing driven kilometres





Permits, agreements and requests

Spatial integration

- Pressure on public space is growing

Land use agreement

- Very strict rules for using public space → a policy framework is needed for a land use agreement

Electricity connection request

- Long waiting period to get your requested connection



Trialing...





Joining forces to develop a framework

Why:

- to establish the vision, rules and expected results of parcel locker services
- to provide parcel lockers as a universally accessible service
- to overcome the lack of easily replicable models from other cities/countries



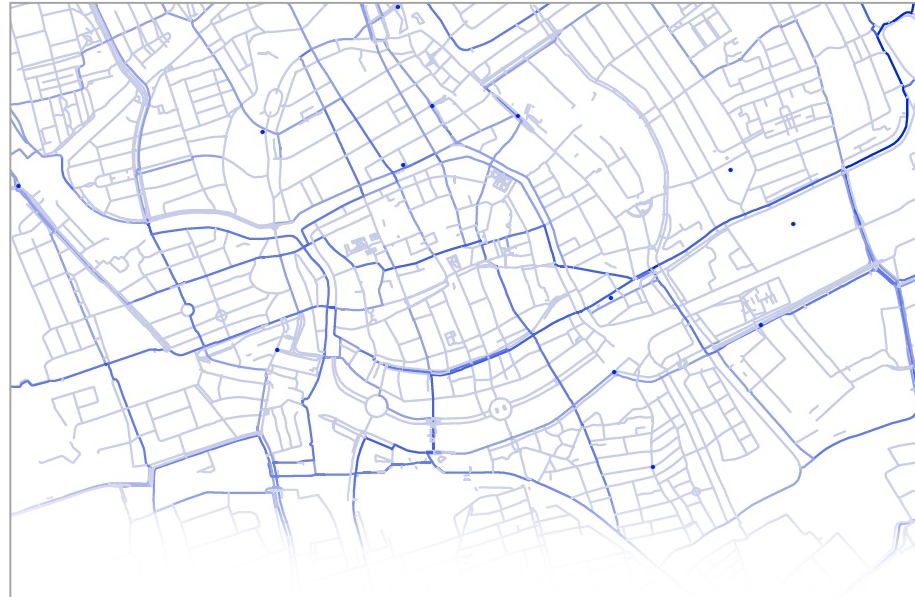
- Stakeholder fora (incl. PostNL, DHL, de Buuren)
- Inter-departmental discussions



- Involvement and facilitation of stakeholder fora
- Research on the carbon emission impact of pickup points in last-mile parcel delivery



- Benchmarking of worldwide practices for parcel lockers
- Spatial analysis to identify the best location for parcel lockers in terms of measured accessibility



FINDING THE RIGHT SPACE FOR URBAN LOGISTICS

A FRAMEWORK FOR OPEN PARCEL LOCKER SYSTEMS

NOVEMBER 2023



<https://ulaads.eu/finding-the-right-space-for-urban-logistics-a-framework-for-open-parcel-locker-systems/>

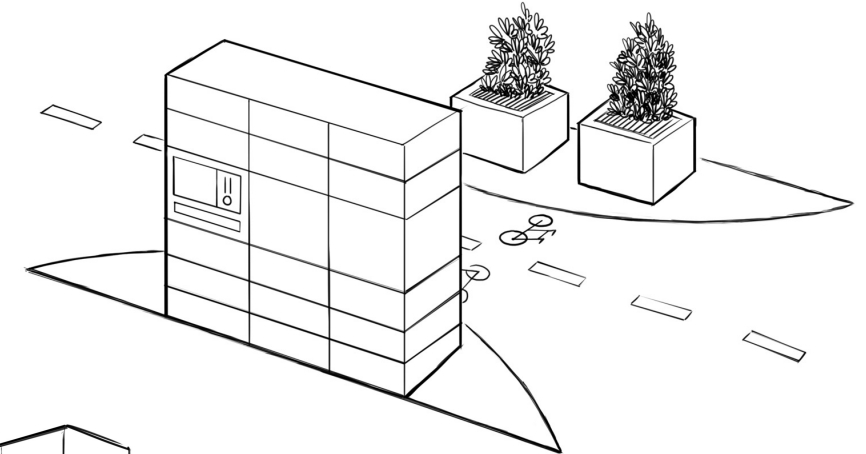
Benchmarking best practices

Examples from:

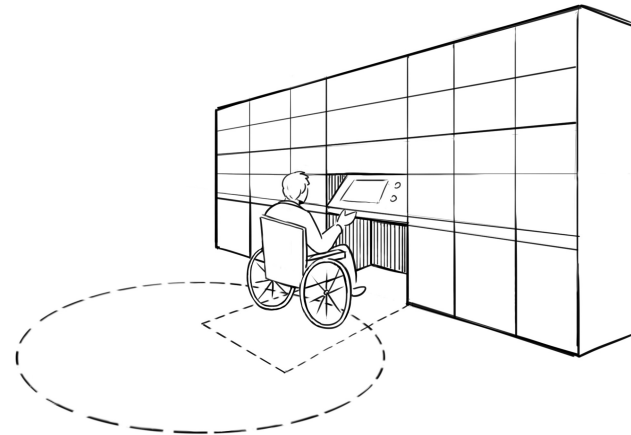
- Austria
- Norway
- UK
- Singapore
- US

Common themes:

- Overall regulation approach
- Business models
- Location
- Infrastructure requirements
- Accessibility
- Data reporting



Parcel locker integration in public space
Visual inspired by Millie Mitchell / Centre for London

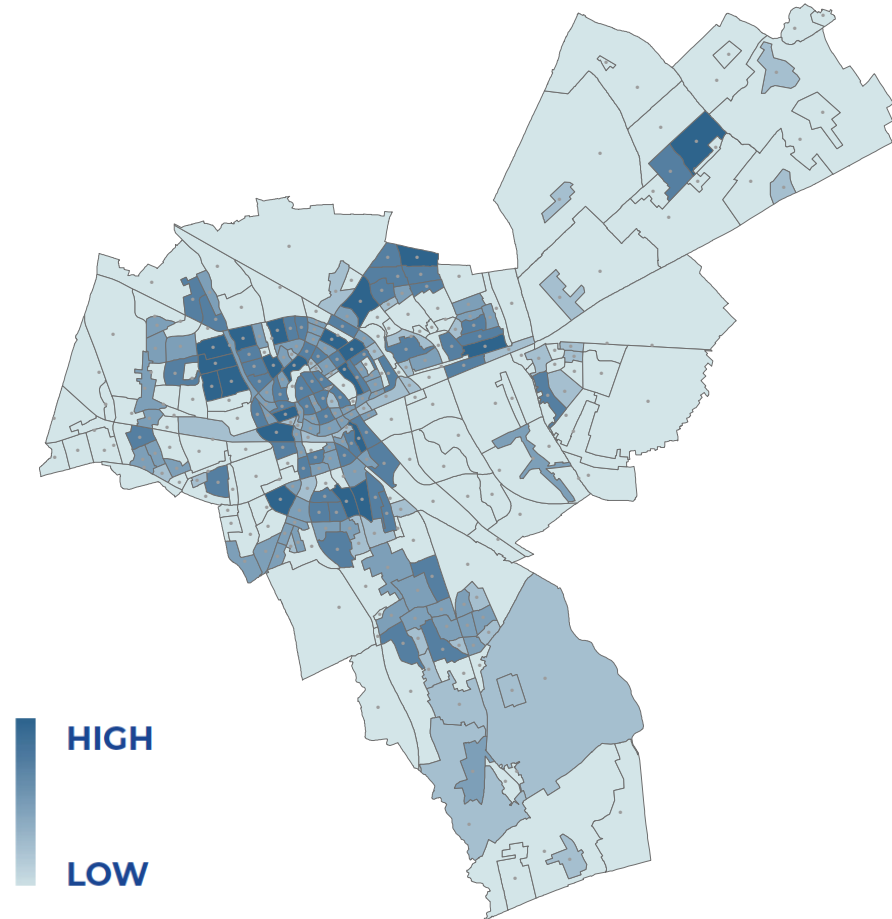


Barrier-free design of the installation site
Visual inspired by Bernhard Hruska / Architektur B4



Best spots for parcel lockers in Groningen

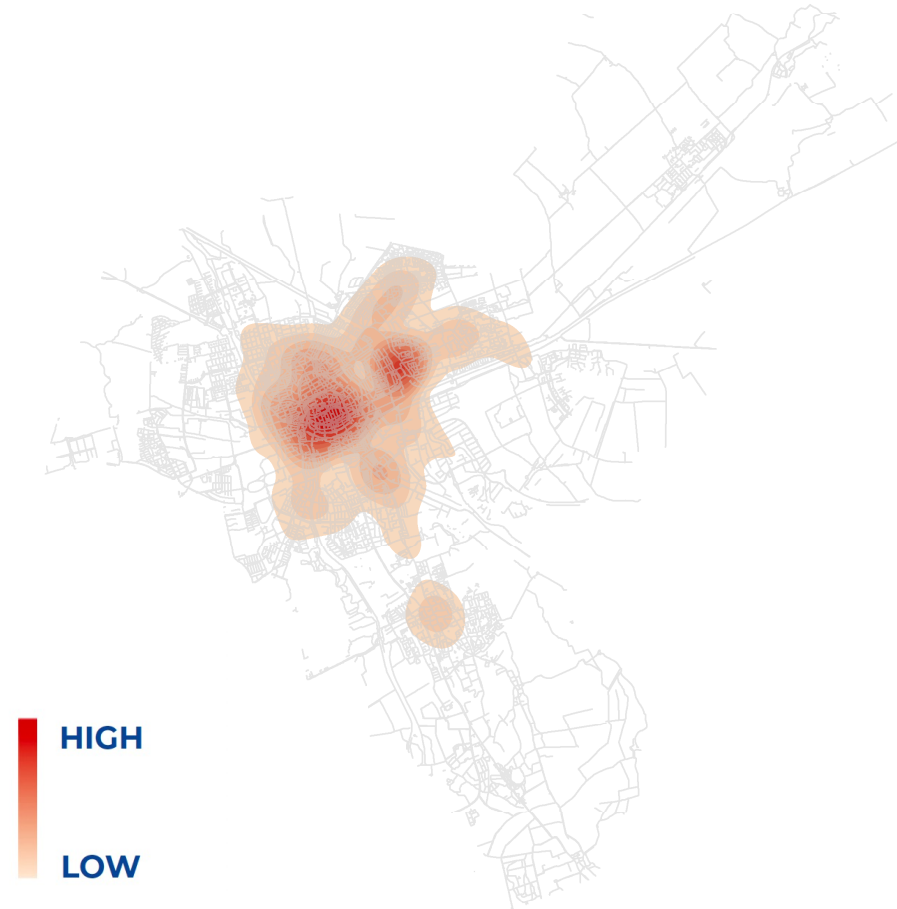
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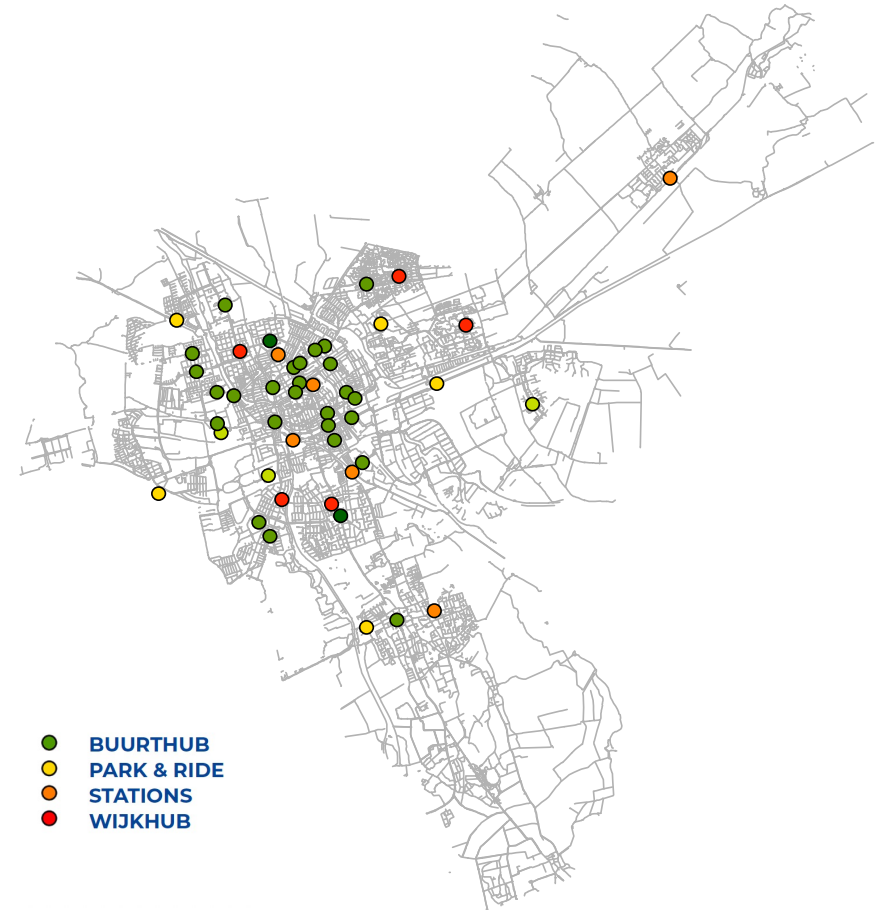
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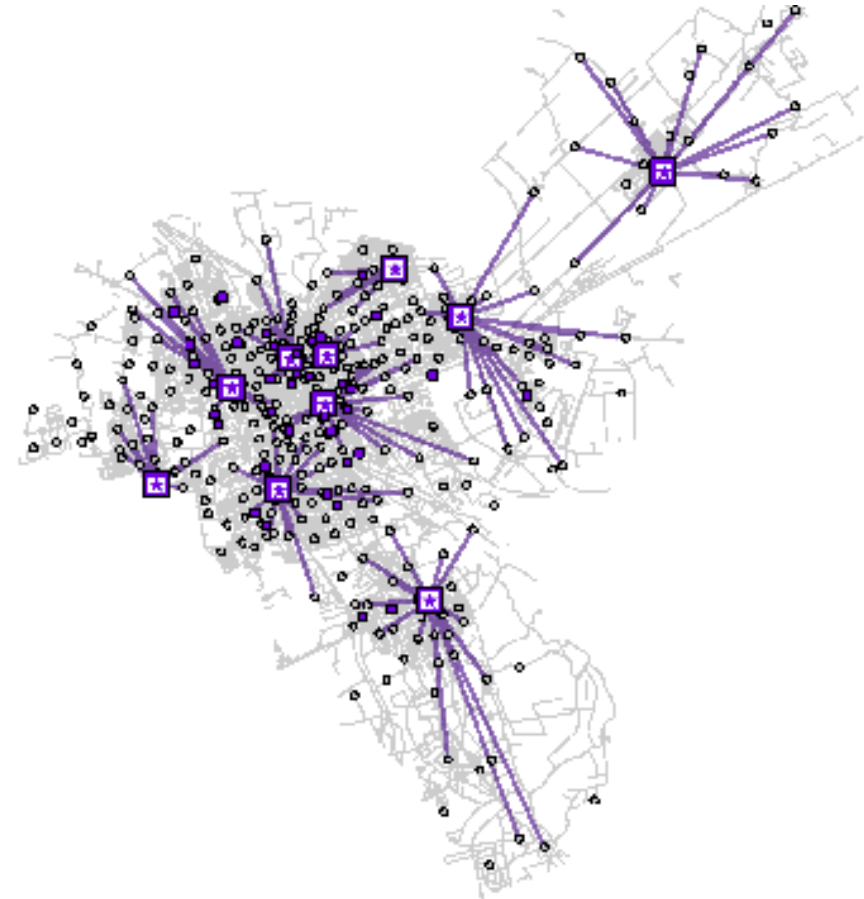


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2. Finding the most accessible 10 public spots

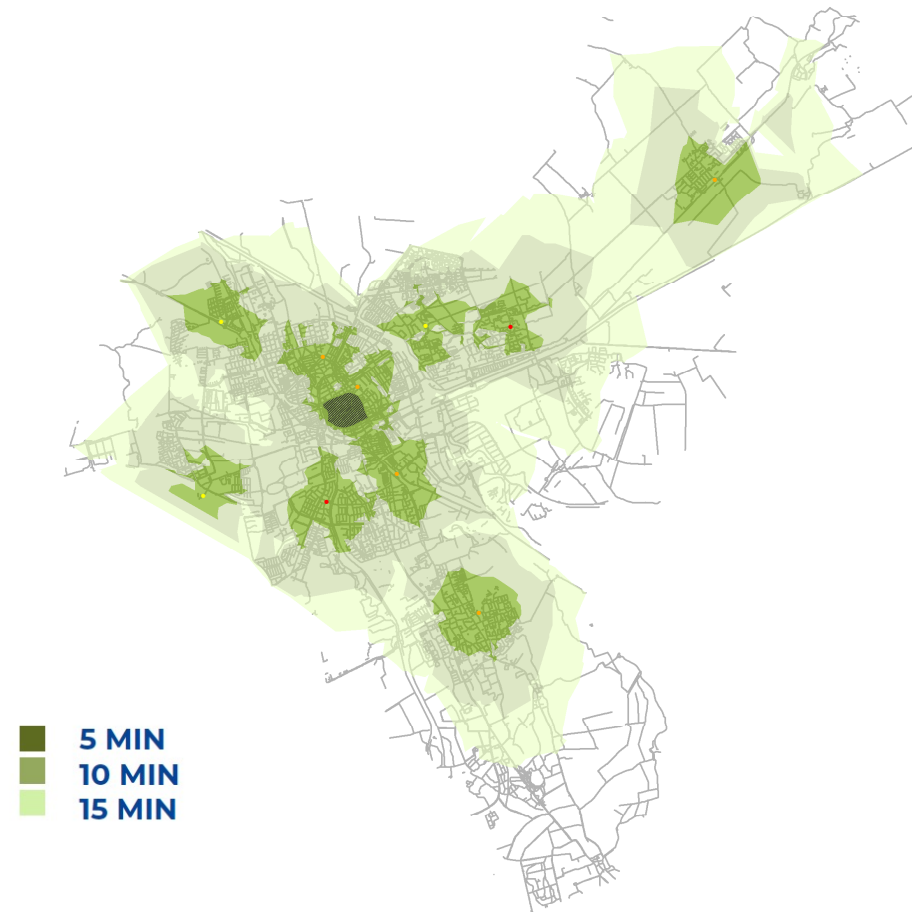


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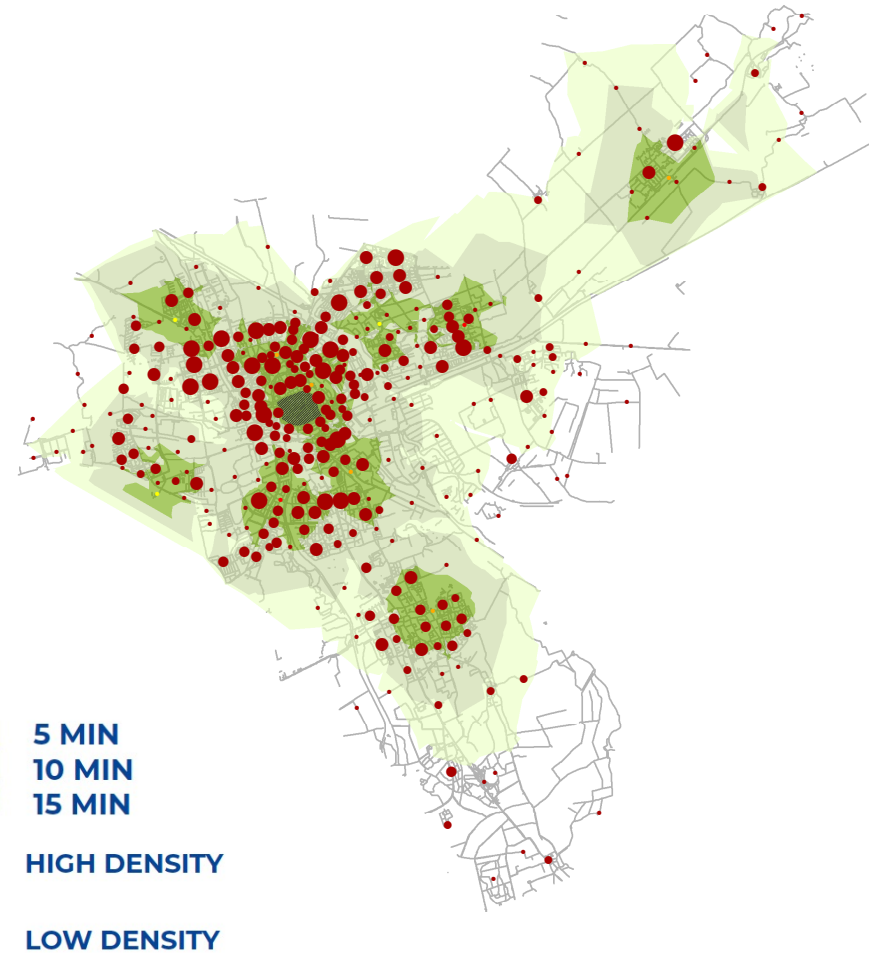


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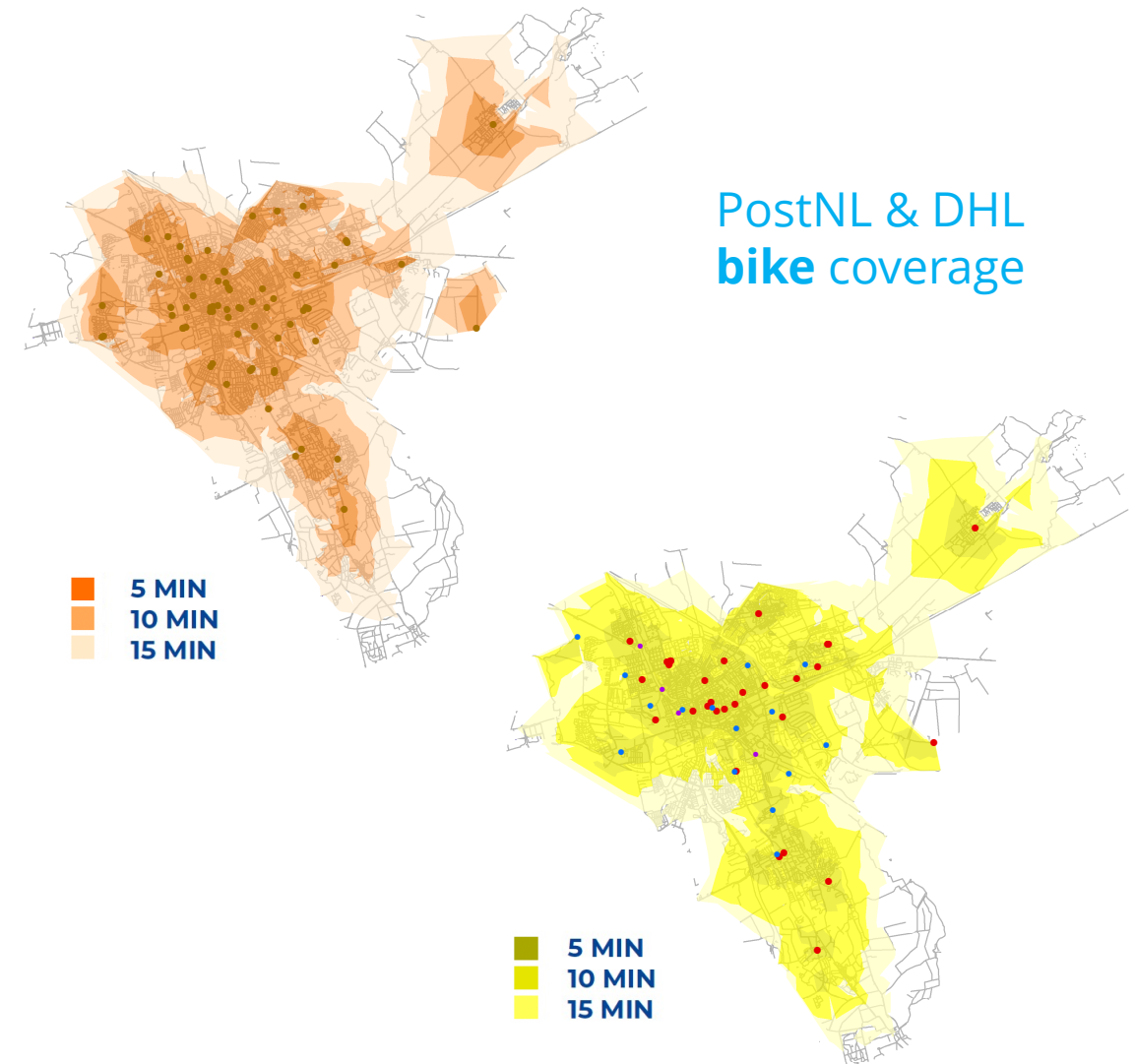
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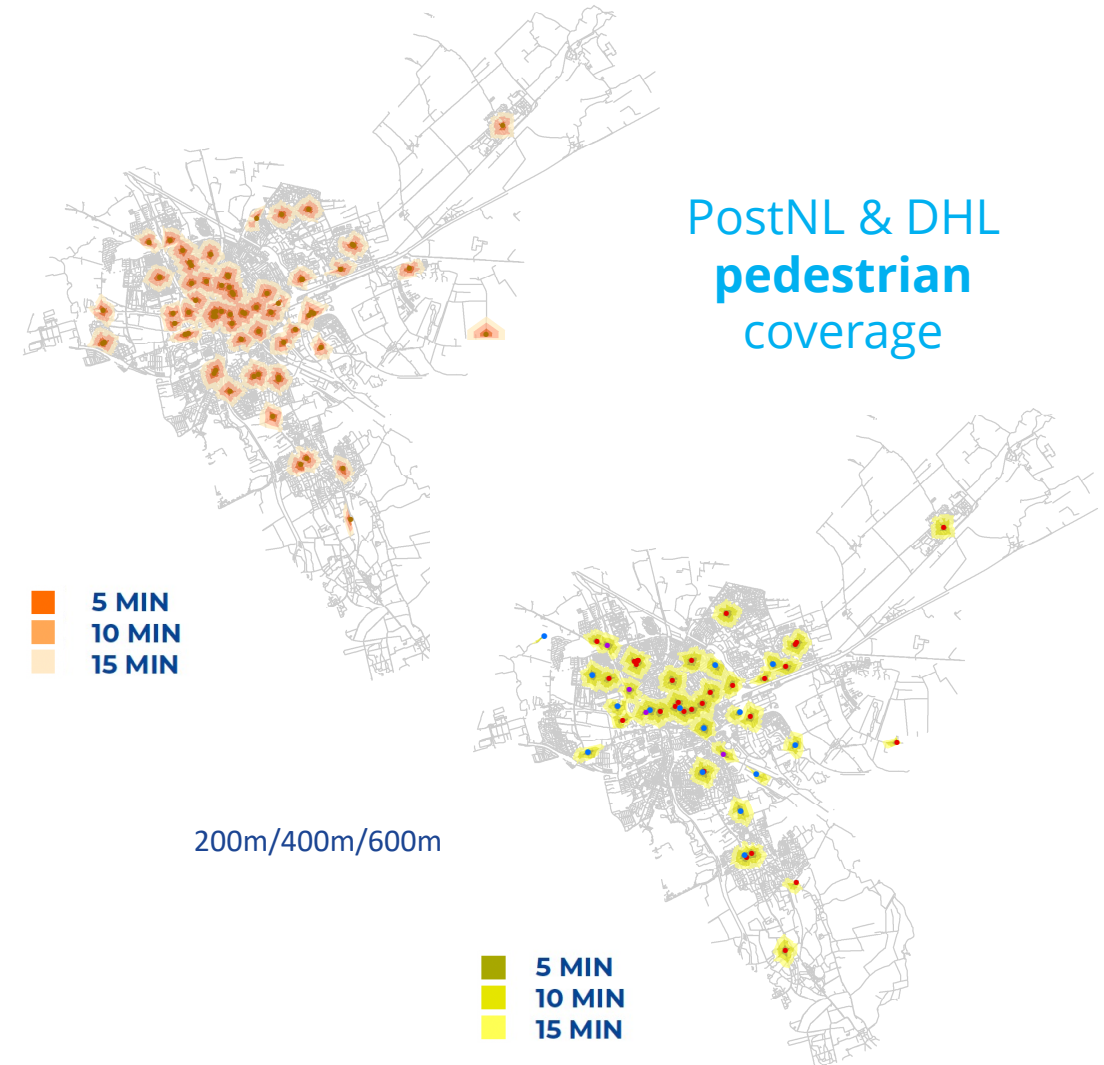
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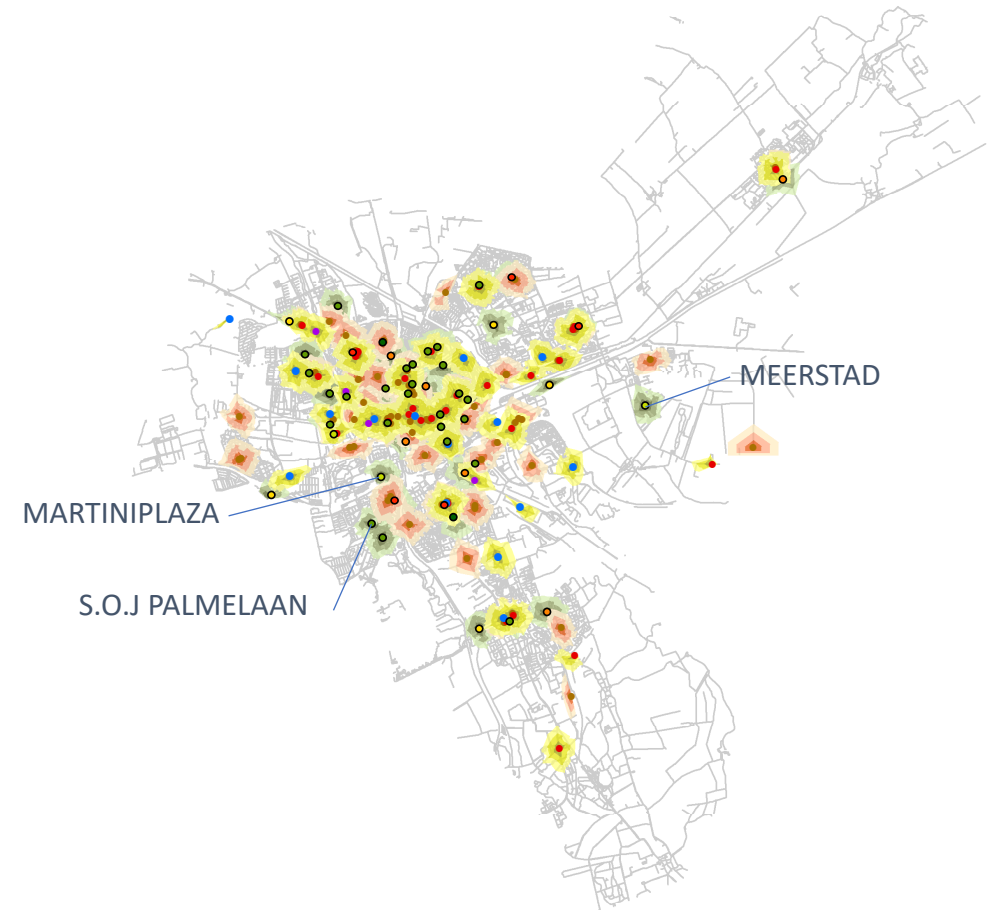
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Recommended priority locations for parcel lockers



Next steps



- The policy framework will be submitted to the city council for adoption in December
- Part of the framework is a concession for gaining an agreement to operate parcel lockers in public space (for 1 operator)
- At least 3 companies will be asked to make an offer
- The municipality of Groningen currently assumes 10-20 parcel lockers in public spaces. This can still be deviated from during the concession granting process
- The concession period is 5 years



- Actively seek feedback on the methodology and approach
- Replicate study in other cities, on other logistics developments and other accessibility topics



**Thank you for
your attention!**



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