



Urban Access Control

For city logistics freight

- Domien Stubbe
- Project leader VIL



Funded by
the European Union

This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101103954



VIL: Logistics innovation in Flanders





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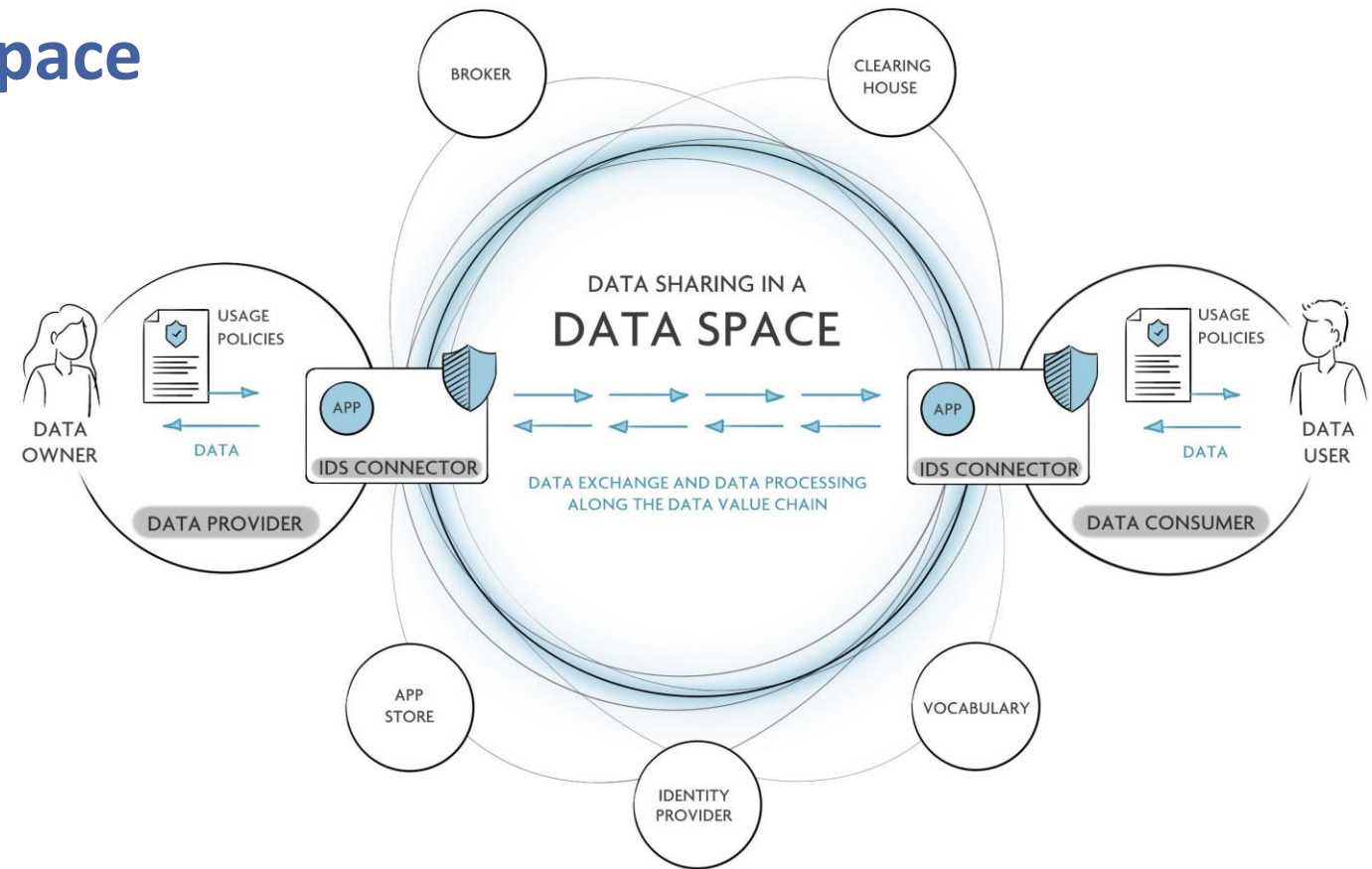
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What is DISCO?

DISCO: Possibilities for **dataspace technology** in city logistics

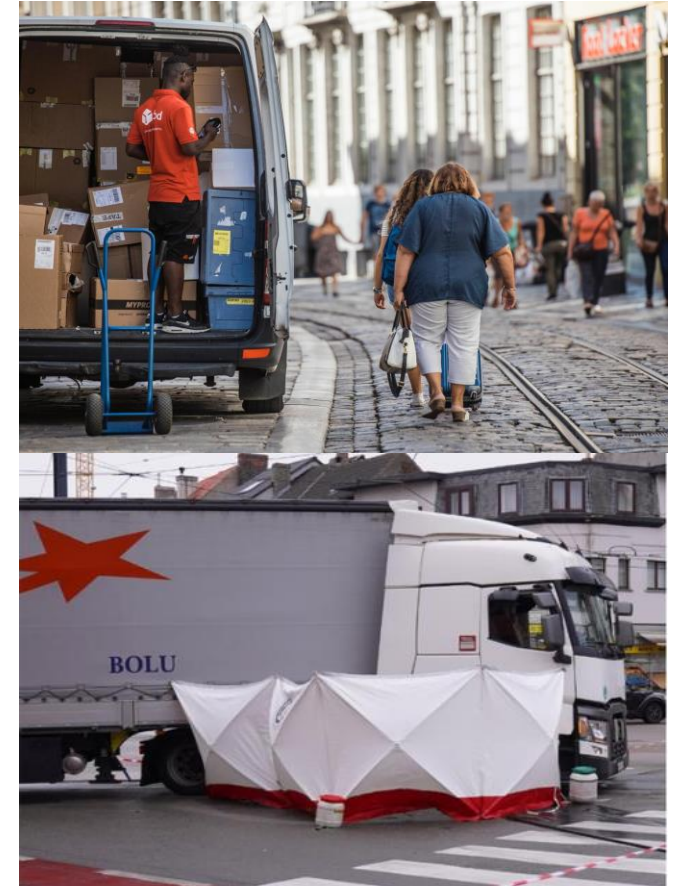


H.Europe project:

- May 2023 – November 2026
- 48 European projectpartners

Challenges in living lab

- **Logistics transport:** Dangerous situations, emissions, congestion
- **Access regulation is not transparent** – planning tools do not comply with regulation
- Incompliance leads to **expensive, inefficient city transport**
- **Sustainable alternatives** are available, but do not reach their potential

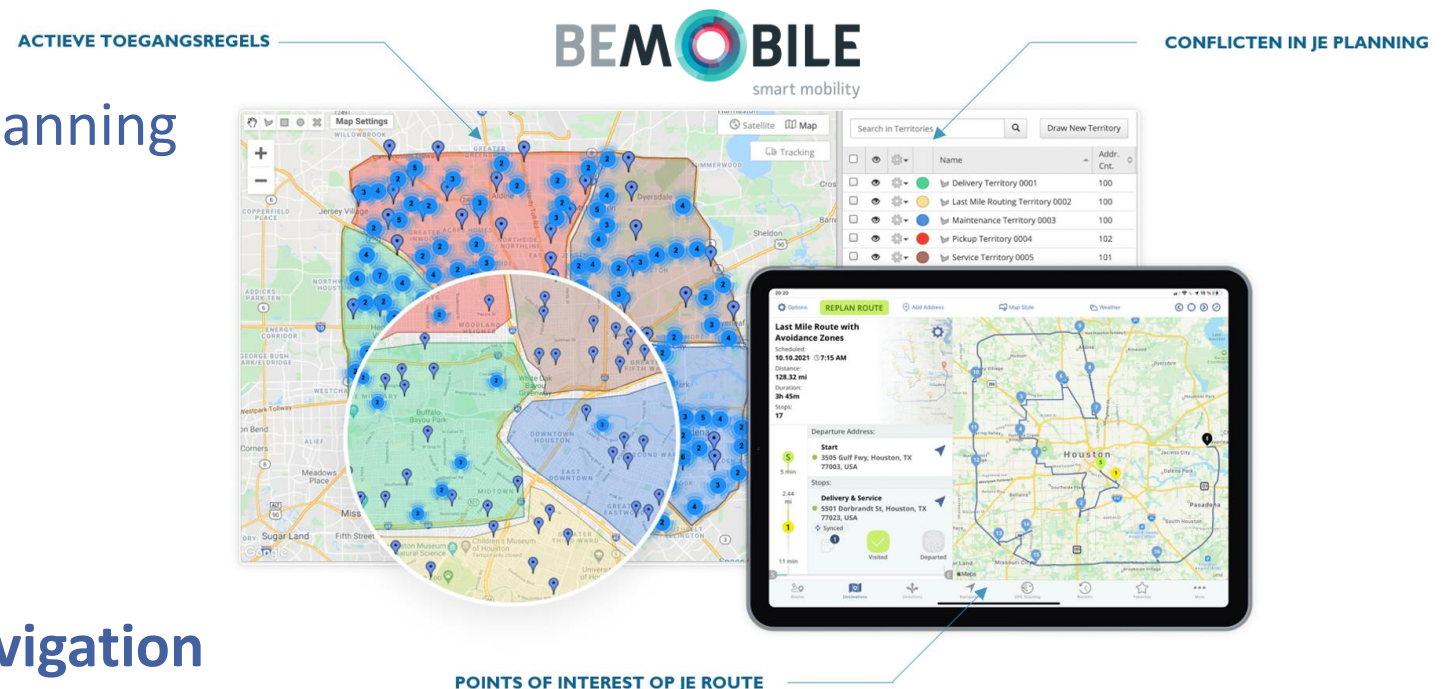




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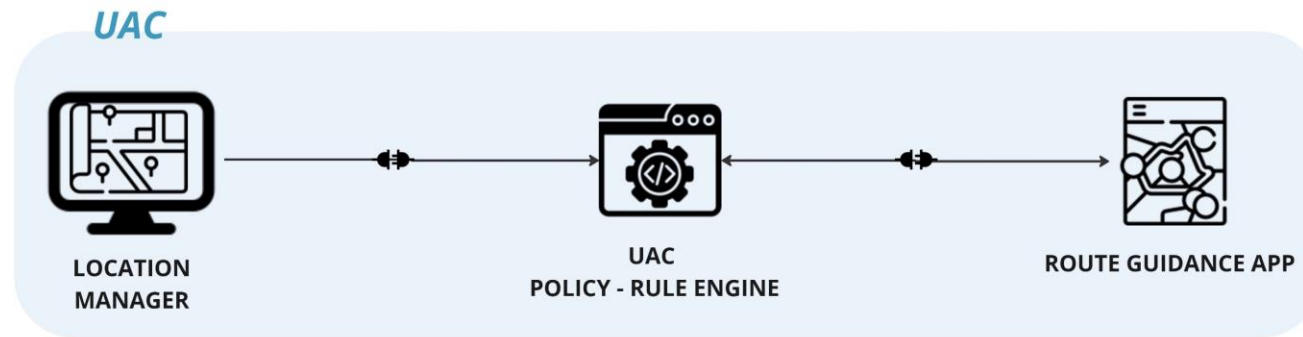
Urban Access Control (UAC): create value out of data-sharing between cities and logistics providers by **integrating access rules (UVAR)** in logistics processes.

- Integrating access rules in logistics planning tools
- Calculates and proposes **sustainable alternatives**
- Provide **optimized realtime route navigation** enriched with Points Of Interests (POI)

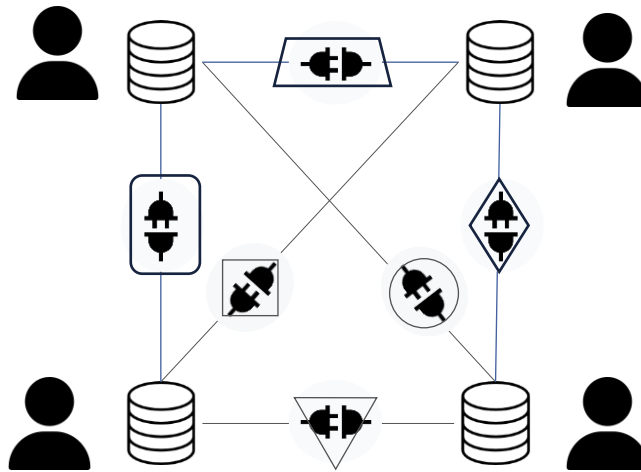




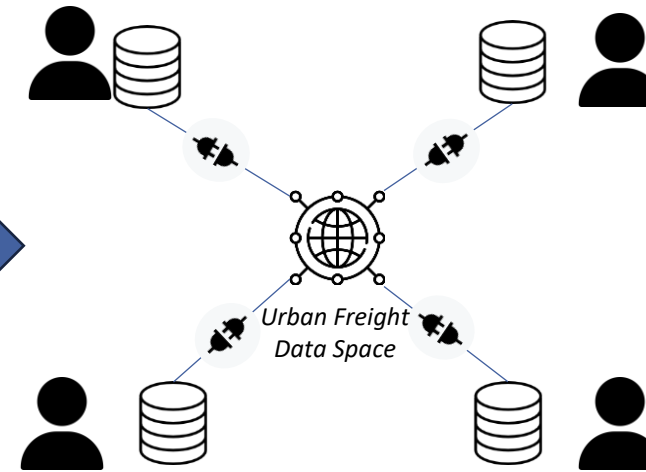
UAC in a nutshell



Why data spaces?



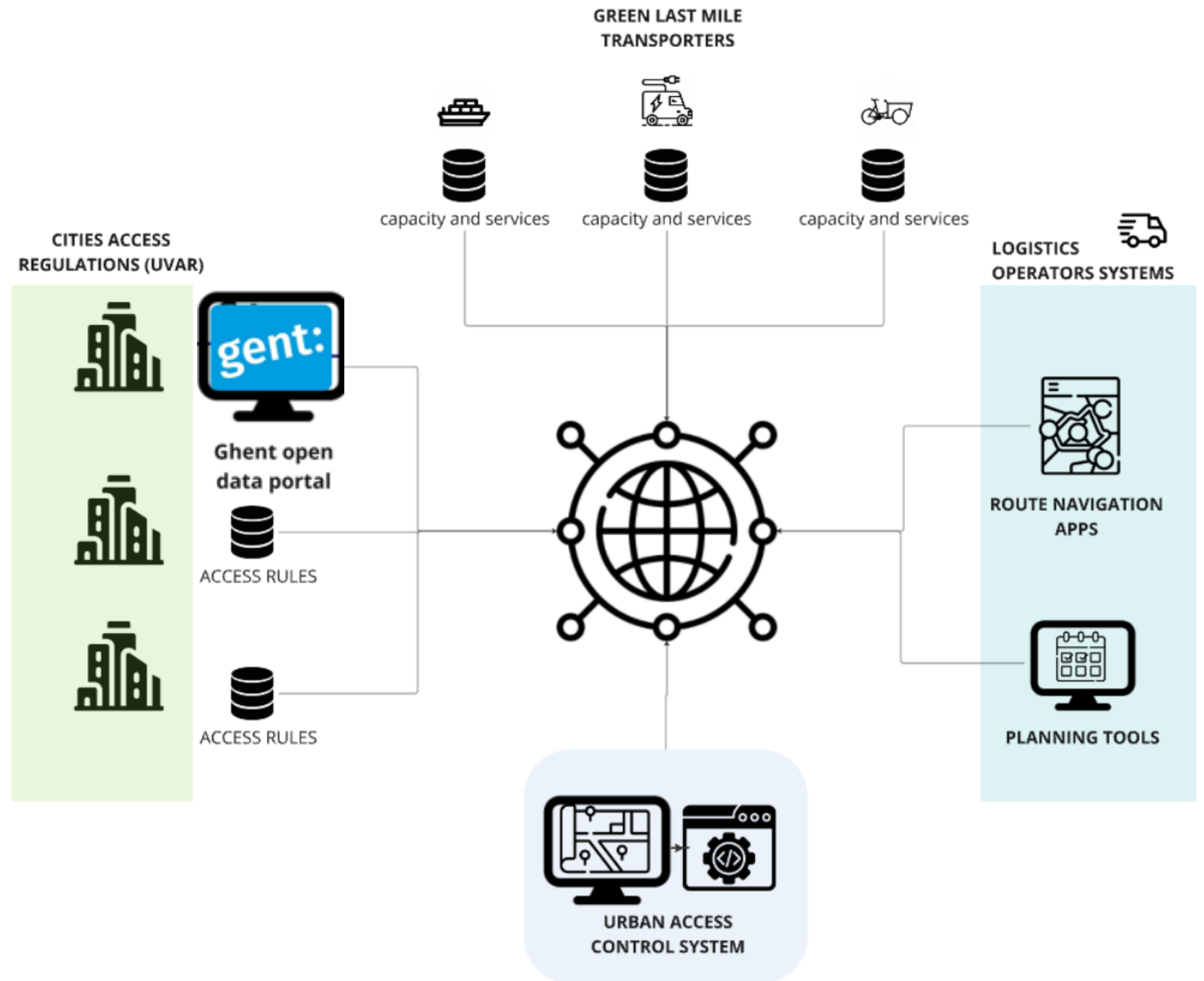
UAC AS IS: integration through individual API's



UAC TO Be: integration via dataspace



UAC with dataspace technology





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Thank You!

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