Urbanage: De bijdrage van data en technologie tot de ontwikkeling van een ouderdomsvriendelijke stad in tijden van klimaatverandering

Jan Deprez

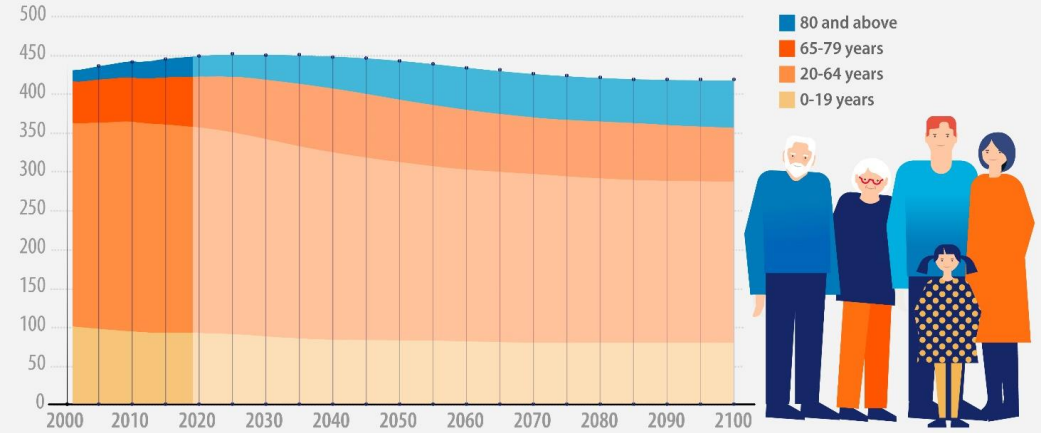
Grant Agreement n. 101004590

Project background

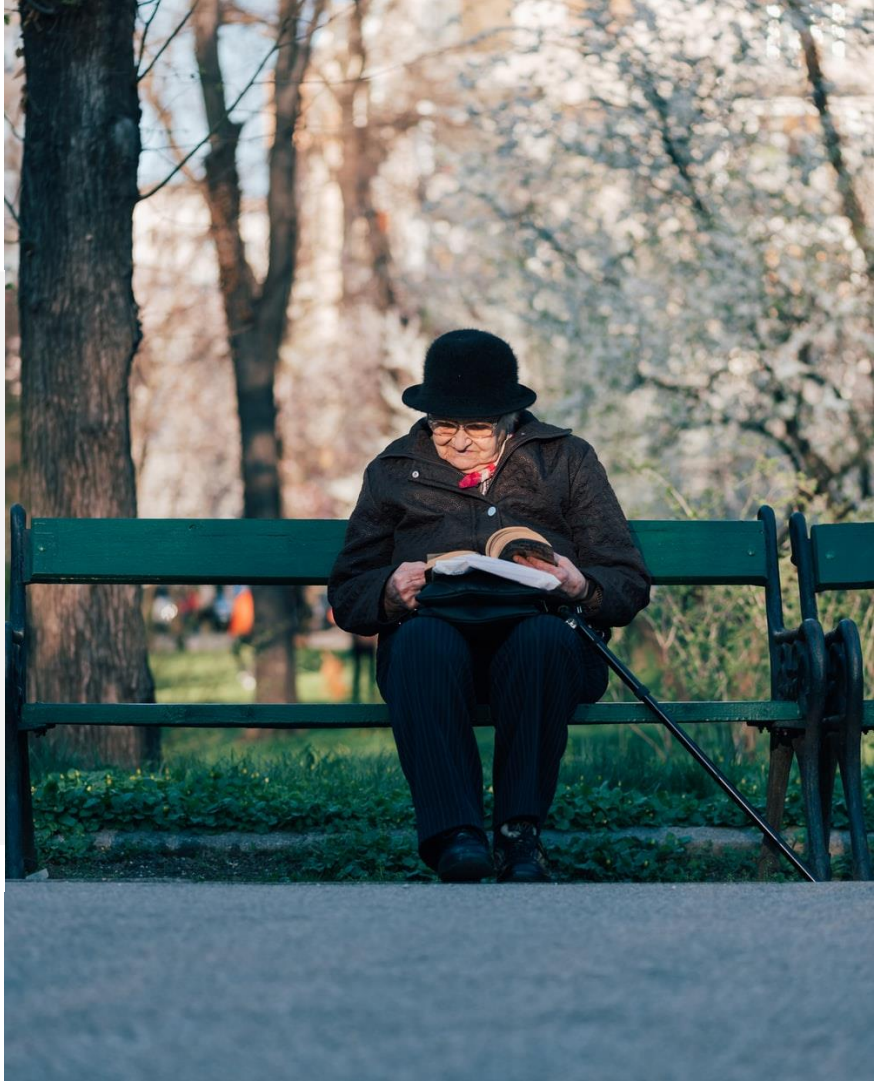
Europe is getting **older**…

Population by major age groups

in millions, EU, observed (2001-2019) and projected (2020-2100 data)



ec.europa.eu/**eurostat**



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Project background

Presenting unique challenges around health, mobility, and the physical environment

https://extranet.who.int/agefriendlyworld/age-friendly-cities-framework/

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Project background

Digital Twin technology and tools for collaborative decision making

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Project background

Pilot cases

Helsinki (FI)

Santander (ES)

Flanders (B)

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Project background

Main objective

"To assess the potential benefits, risks and impact of implementing a long-term sustainable framework for **data-driven decision-making** in the field of **urban planning for aging** well in cities, by means of an **engagement** strategy with relevant stakeholders and users, supported by disruptive technologies such as urban digital twins, big data analytics and artificial intelligence."

Grant Agreement n. 101004590

Engaging stakeholders

Cocreation, validation and impact assessment












Results

Green Comfort

- Een **rekenmodel** dat **groene** & **comfortable** zones in de publieke ruimte van een stad een hogere score geeft
- Met focus op relevantie voor **oudere inwoners**
- Indicatoren vastgelegd tijdens co-creatie workshops:
  - *Gezondheid*
  - *Groene en blauwe infrastructuur*
  - *Stadsvoorzieningen*
  - *Toegankelijkheid en bereikbaarheid*

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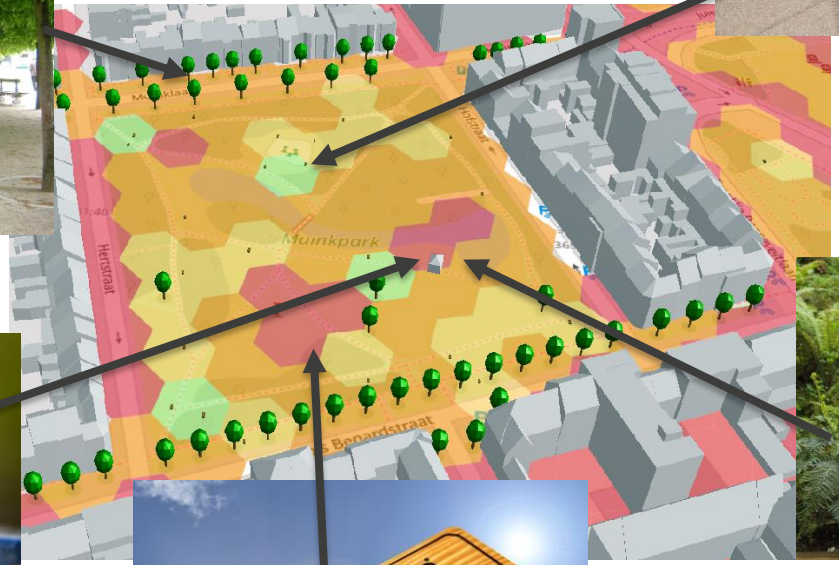
Results

Green Comfort



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Urbanage

Language
English

GENERAL

- Home
- Dashboard
  - Explore Green Comfort
  - Build Green Comfort Scenarios
  - Feedback Map
  - Feedback Collection
  - Travel-Time Matrix

GCI BASELINE

index	8c1fa47a11227ff
bench_indicator_score	5
drinking_water_indicator_score	4.68
heat_indicator_score_penalty	-0.25
park_indicator_score	4.12
toilet_indicator_score	4.90
tree_indicator_score	2.50
score	4.06
simulationid	baseline

Urbanage

Language
English

GENERAL

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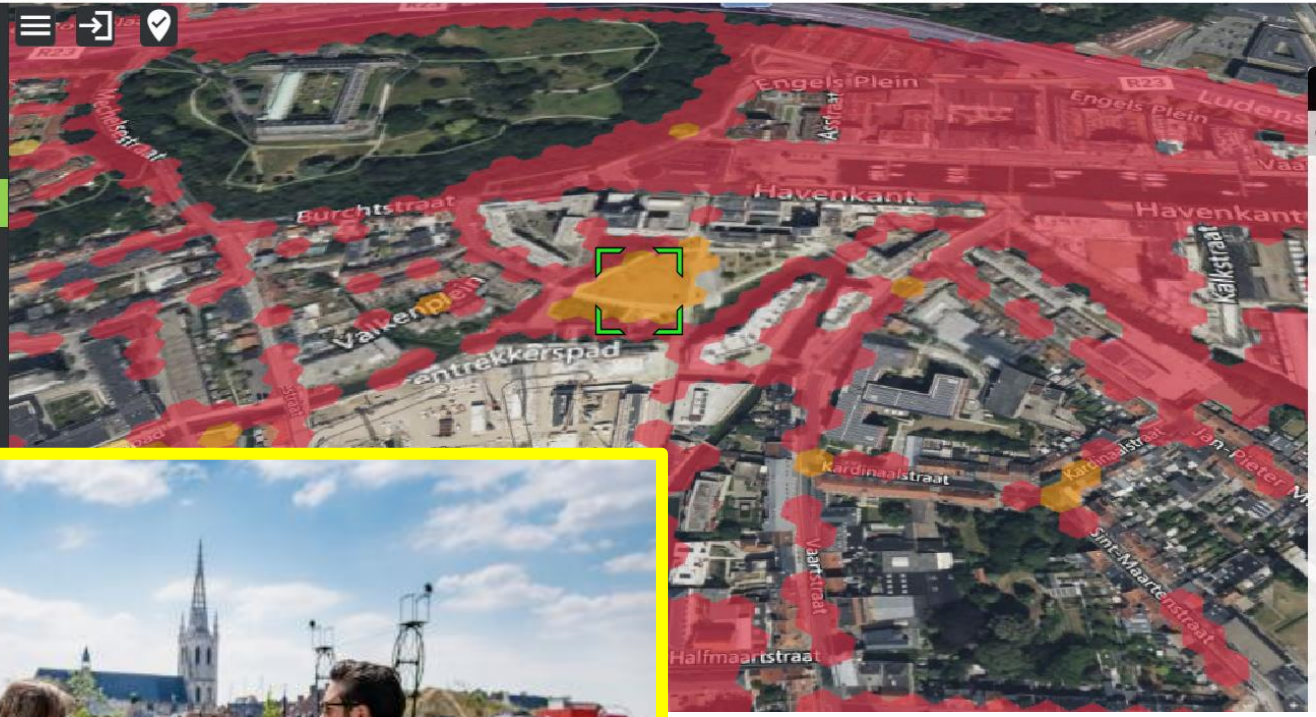

GCI BASELINE

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drinking_water_indicator_score	0
heat_indicator_score_penalty	-0.25
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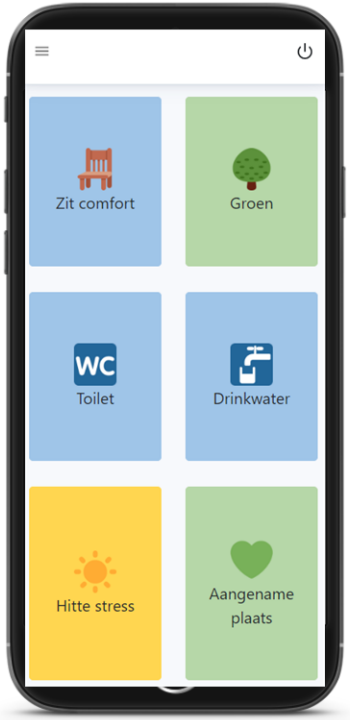
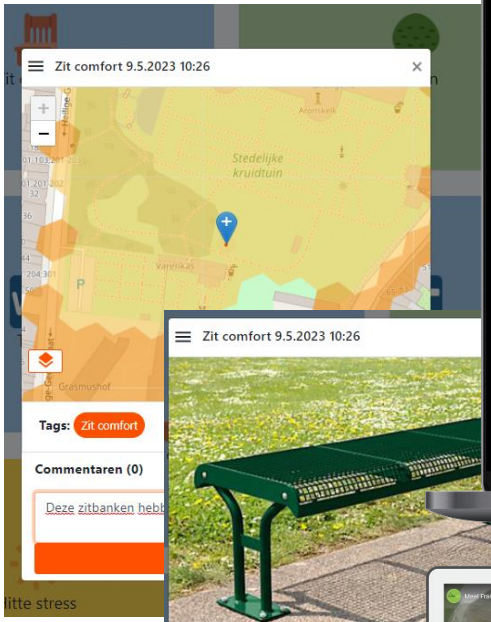
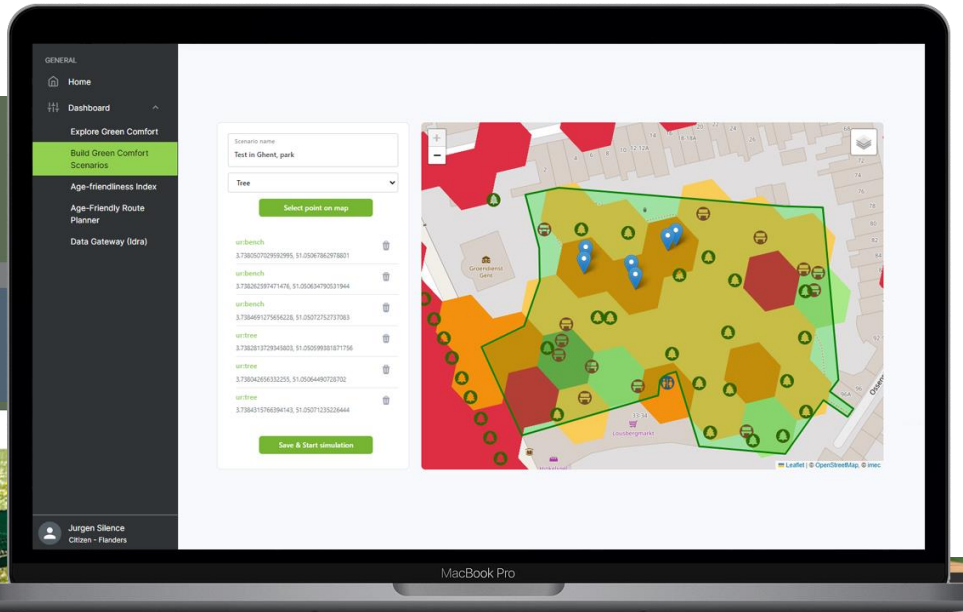
toilet_indicator_score	3.94
tree_indicator_score	0
score	1.32
simulationid	baseline

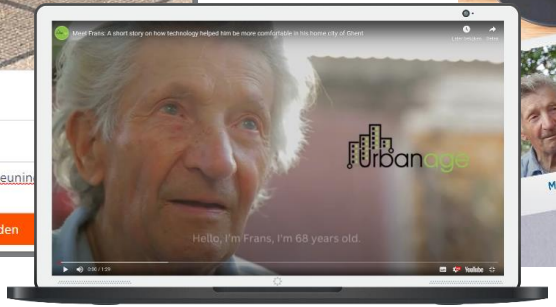
Results

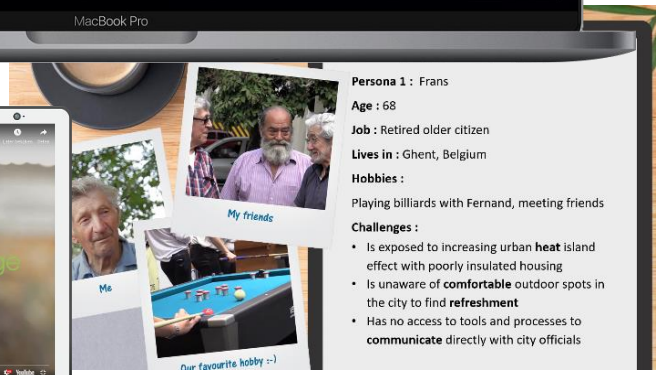
Tools & dissemination











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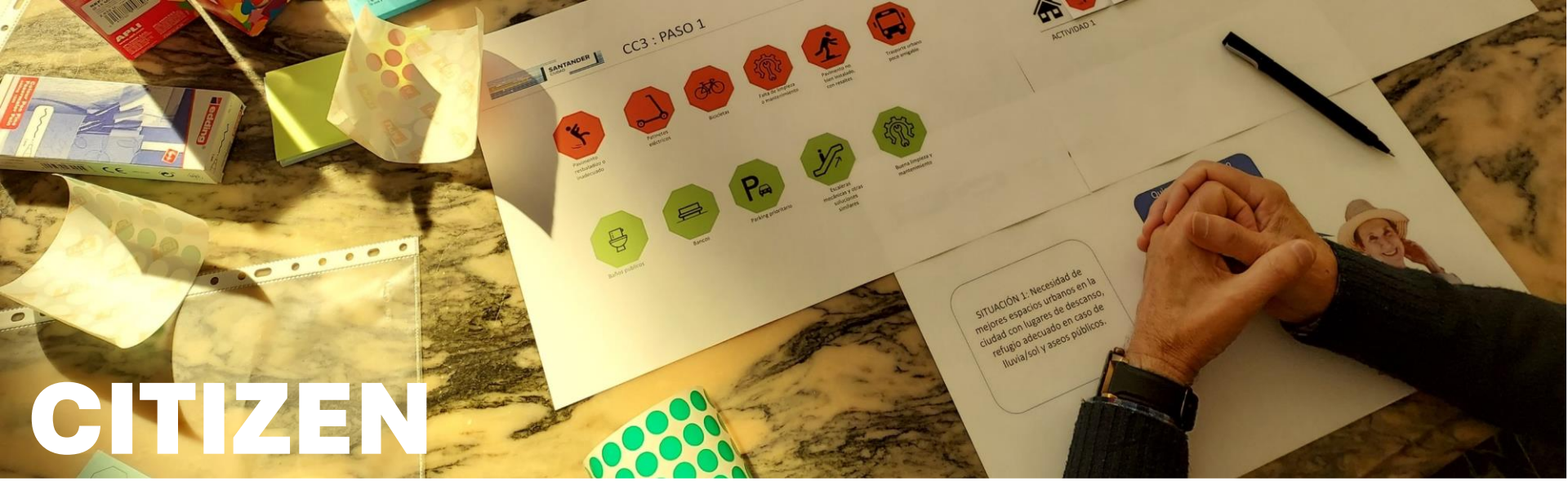

CITIZEN ENGAGEMENT

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POLICY AND PUBLIC ADMINISTRATION

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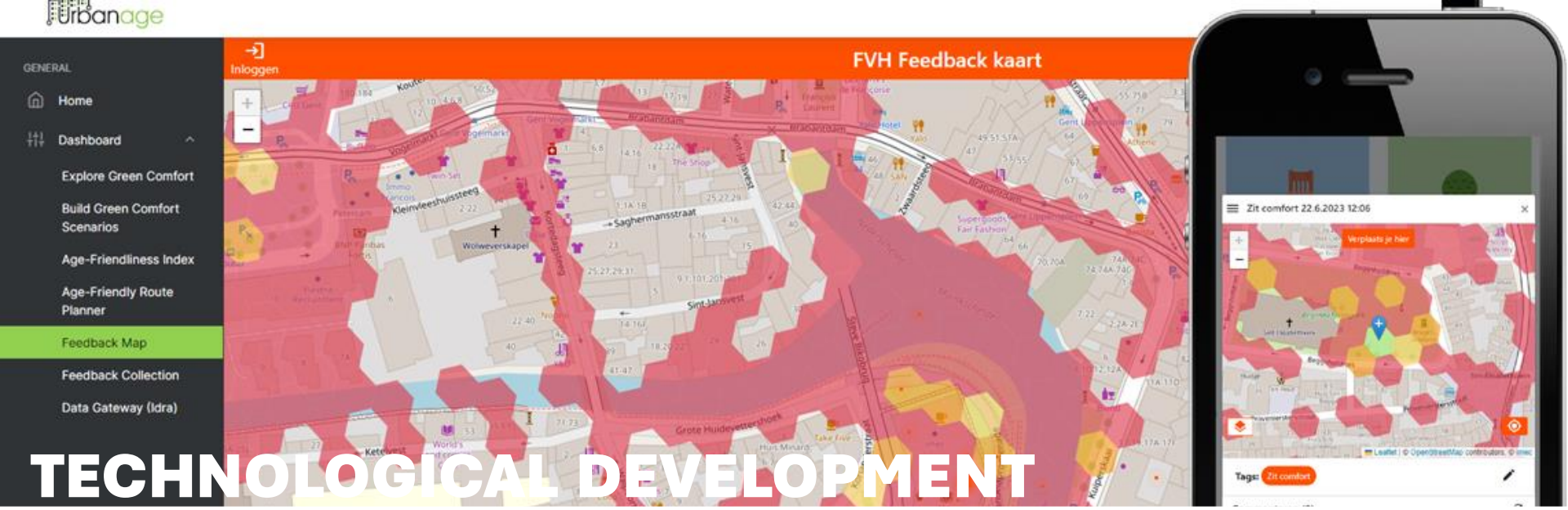

TECHNOLOGICAL DEVELOPMENT AND IMPLEMENTATION

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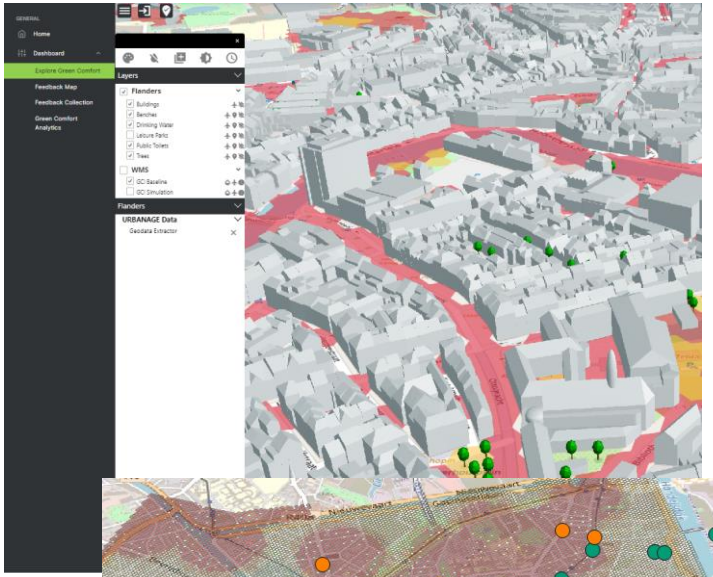
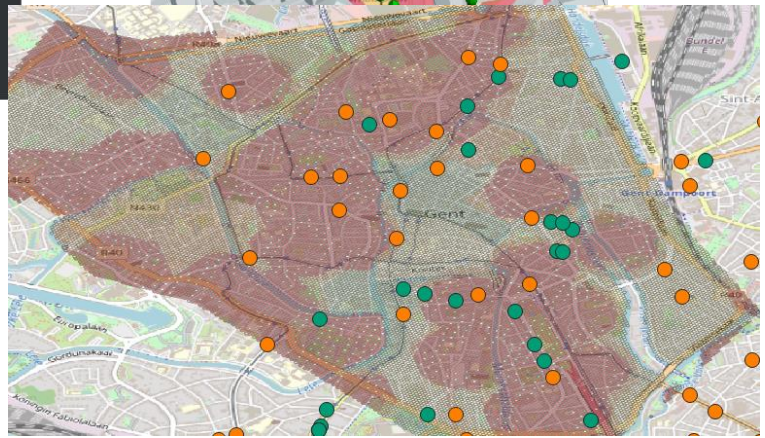
What's next?

The future of Urbanage

- Green Comfort results, simulations and other tools are publicly available
- Re-use of geospatial tools in other domains
- Adoption citizen feedback tools
- Older adults and disruptive tech 2020 vs 2024





Urbanage

Enhanced URBAN planning for AGE-friendly cities through disruptive technologies

For more info:
https://www.urbanage.eu/
https://www.imec-int.com/en/urbanage

jan.deprez@imec.be

Thank you !

URBANAGE Consortium - 11 partners

eng

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MEMBER OF BASQUE RESEARCH & TECHNOLOGY ALLIANCE

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