



VUB Chair Smart Cities

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LEUVEN

Mohamed Ridouani

Our mission is to make Leuven one of the most caring, green and prosperous cities.

We want to ensure that Leuven is a **connected city**, where everyone can feel at home and where we can work together towards a **positive and sustainable future**.

Leuven wants to become a **leading city**, to be a model of how cities can tackle challenges vigorously and smart.

We do this **in collaboration**, with as many committed inhabitants, organizations, knowledge institutions, entrepreneurs and companies as possible. **Locally, regionally, nationally and internationally.**

10 priorities

1. Connected, involved and participative city
2. Affordable living
3. Accessible and traffic-safe city
4. Safe and attractive city
5. Inclusive and caring city
6. Sustainable, climate-proof and circular city
7. Active and venturesome city
8. Healthy and sporty city
9. Vivid city
10. Innovative and efficient city

Leuven, a Smart City

- Improve the life quality of Leuven residents
- Investigate, through data collection and monitoring
- Pilot projects and study of good practices
- Technology offers opportunities
- Future-proof city



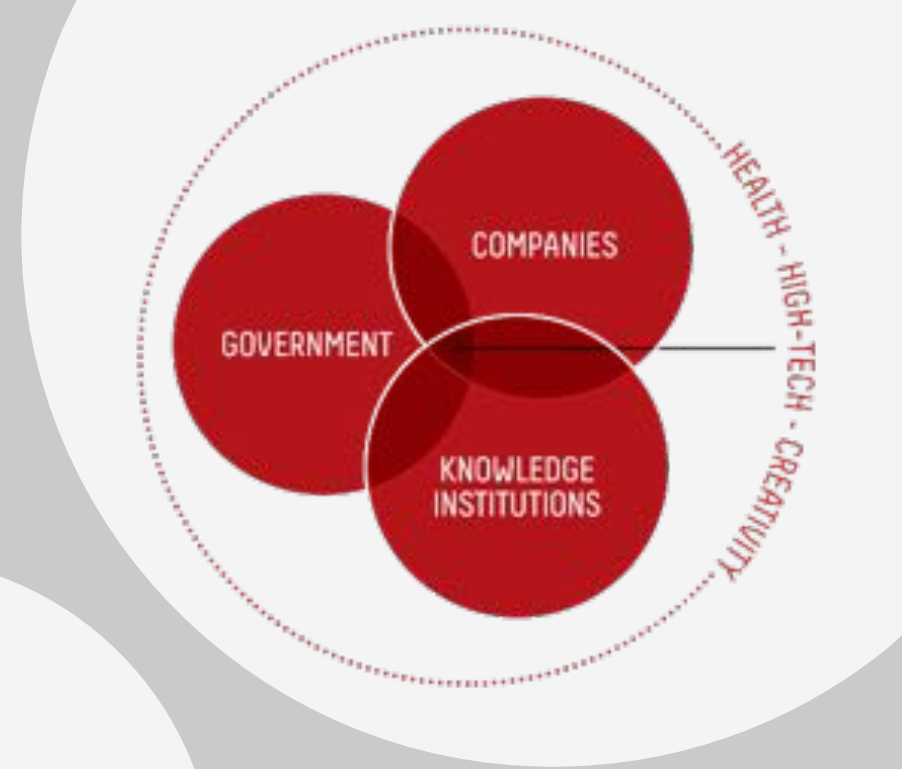
Connected, involved and participative city

Some of our projects and results

We implement new ways of cooperation and systematically join forces

- KU Leuven, IMEC,...
- Leuven MindGate
- Leuven 2030
- SOM (Samen Onderwijs Maken)

→ Horizontal Collaboration Model





LEUVEN
2030
MINDER UITSTOOT, MEER TOEKOMST



iCapital 2018 FINALIST

EUROPEAN CAPITAL
OF INNOVATION





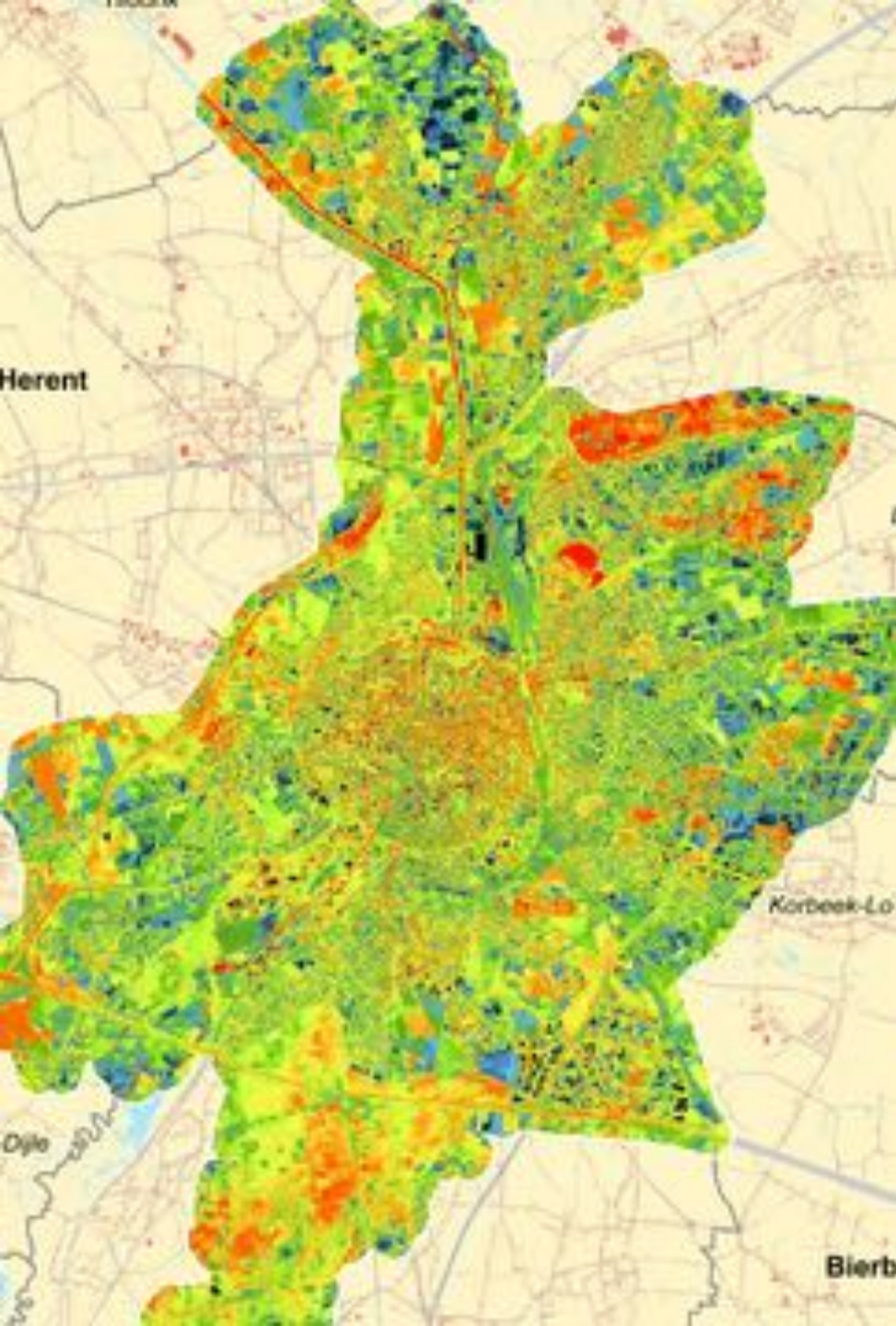
Connected, involved and participative city

Some of our projects and results

- We also encourage encounters and cooperations between inhabitants
 - Projects such as Kom Op Voor Je Wijk, neighborhood parties, ...
 - Hal 5, community lab

The future

- Participation in the design and implementation of policy
 - In drafting administrative memorandum, multi-year plan
 - Online platform
 - Participatory budgets
 - Online tools to handle residents' concerns efficiently
- A counter especially for entrepreneurs
- E-services and automatic entitlements



Sustainable, climate-proof and circular city

Some of our projects and results

- Greener city
 - 18.600 trees, 1030 hectares of greenery, 73 parks, 600 facade gardens,...
- Air Quality measurements (Leuvenair) & Black Carbon
- Heat Network in the Vaartkom (*in development*)
- LICHT LEUVEN
- LEUVEN SWITCHT
- Recuperation of wastewater AB Inbev

The future

- More sustainable energy production & consumption
 - District renovations
 - Windmills in cooperation
- Local food strategy
- Roadmap Leuven 2030



Accessible and (traffic-)safe city

Some of our projects and results

- Circulation plan
- More space for cyclists and pedestrians → Modal shift: 41% bikes (used to be 33%) and 54% cars (used to be 63%)
- Shared mobility: increased 35% in 1 ½ years
- Cozy squares and water in the city: more qualitative public space (ex: Temporary and experimental design Victor Broosplein)
- Build over water

The future

- Smart devices such as street lighting, traffic lights, dynamic traffic signs, smart trash cans,...
- Smart city distribution system
- Innovative traffic guidance and parking policy
- MaaS: Mobility as a Service Applications
- Electric selfdriving shuttles
- MOBI-points: a zone in a neighbourhood where several services are combined such as lockers, distributions, public transport,....



Affordable living

Some of our projects and results

- Focusing on new ways of living
 - Cohousing
 - Budget homes

The future

- Most family-friendly apartment building
- 'Hamsterwonen'
 - buying a property after renting it first with recuperation of the rental fees
- CLT (Community Land Trust)
- Modular constructions

An aerial photograph of a modern urban development. A canal runs through the center, with a bridge crossing it. On either side of the canal are multi-story brick buildings. In the foreground, a large public square is filled with people, bicycles, and some greenery. The sky is overcast.

VARTOPIA

Innovative urban development as a leverage for a smart city