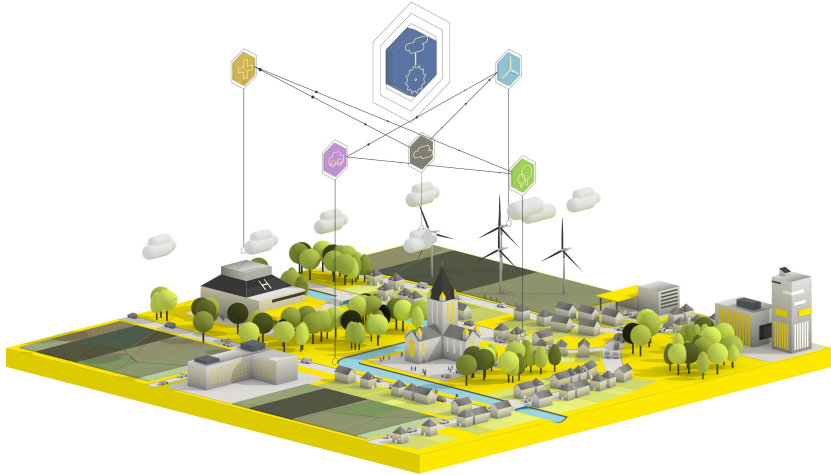




IOT SMART CITY ACTIVITIES IN FLANDERS

TANGUY COENEN (IMEC) AND LIEVEN RAES (AIV)

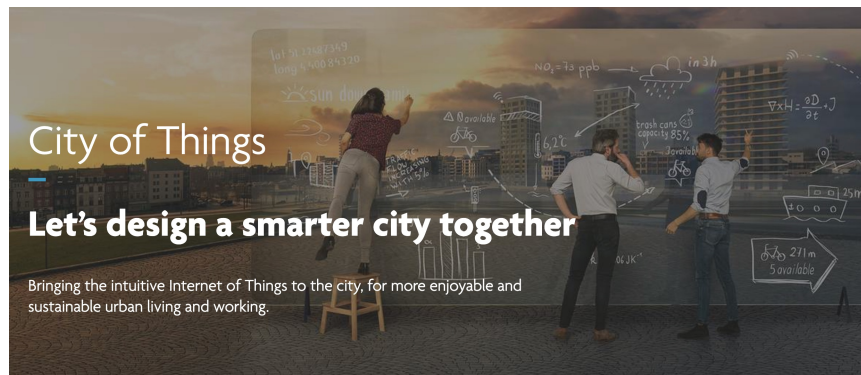
KEY FLEMISH SMART CITY CHALLENGES



- Water
- Air Quality
- Sound
- Mobility
- Logistics
- Pandemics

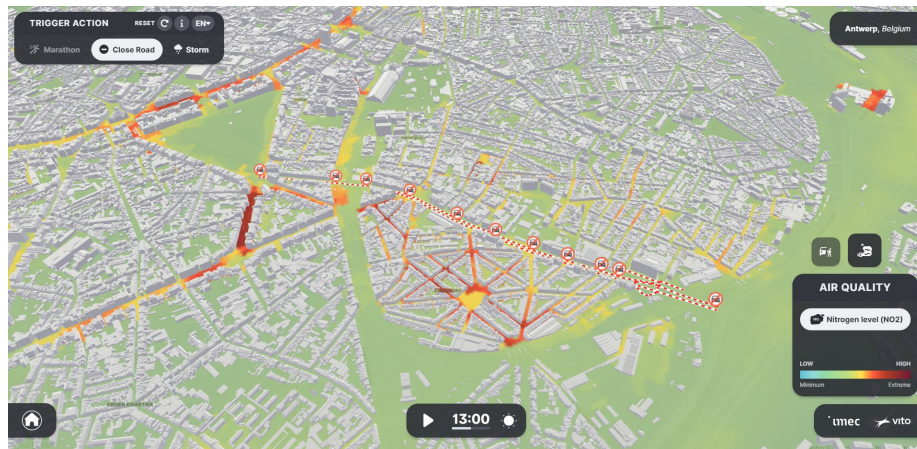
IOT INITIATIVES IN FLANDERS

- City of Things
 - Running since 2016
 - Focusing on IoT deployments in cities
 - Output is a vendor-agnostic Smart city data platform infrastructure
 - <https://www.imeccityofthings.be/en/projects>
- VLOCA
 - Flemish open smart city architecture
 - VLOCA Knowledge Hub
 - <http://vloca-kennishub.vlaanderen.be/vloca-kennishub>
- Datanutsbedrijf
 - Innovation through data sharing
 - Data marketplace

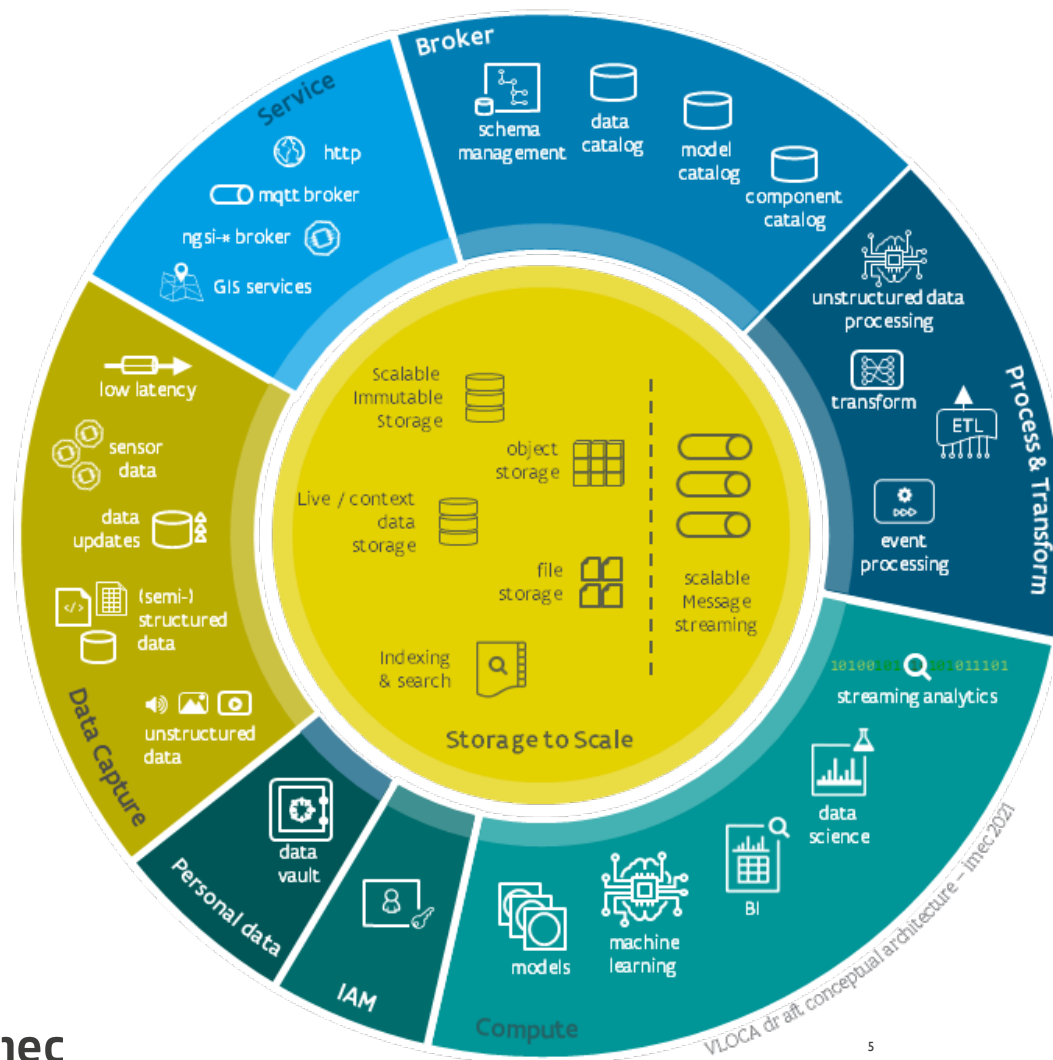


IOT INITIATIVES IN FLANDERS

- Local Digital Twins
 - H2020 Duet
 - H2020 Urbanage
 - H2020 Precinct
 - Bruges LDT
 - White paper: https://vloca-kennishub.vlaanderen.be/vloca-kennishub/Open_urban_digital_twins
- Gaia-X
- Imec research focus on Edge AI



SMART DATA MANAGEMENT



Smart data is seen as the sum of:

- ▶ **(Big) Data** [the data itself]
- ▶ **Utility** [the potential utility derived from the data]
- ▶ **Semantics** [the semantic understanding of the data]
- ▶ **Data Quality** [the quality of the data collected]
- ▶ **Security** [the ways data are managed securely]
- ▶ **Data Protection** [how privacy and confidentiality are guarded]

<https://ec.europa.eu/social/BlobServlet?docId=17367&langId=en>



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