

Disruptive technologies for urban development...



Benefit or burden?



URBANITE

www.urbanite-h2020.eu

Data-driven and Evidence-based Decision making in the urban transformation field using disruptive technologies and a participatory approach.

The URBANITE project provides, by means of a co-creation strategy, a long-term sustainable ecosystem model that articulates the expectations, trust and attitude from civil servants, citizens and other stakeholders in the use of disruptive technologies in the context of urban mobility planning.



Supporting **decision - making** in
Urban Transformation

with *disruptive technologies*



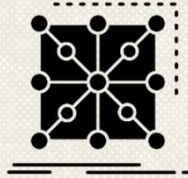


Supporting the decision-making in urban transformation with the use of disruptive technologies

OBJECTIVES



Create an in-depth knowledge on the implications of the use of the disruptive technologies (e.g. AI), in the public sector and other stakeholders of the mobility and urban transformation value chain.



Provide automatic mechanisms to harvest, curate, fusion and visualization of existing open and proprietary data coming from different sources related to urban mobility and transportation



Facilitate the policy decision-making processes in the context of mobility and urban transformation with a scalable, integrated and modular ICT ecosystem built upon disruptive technologies

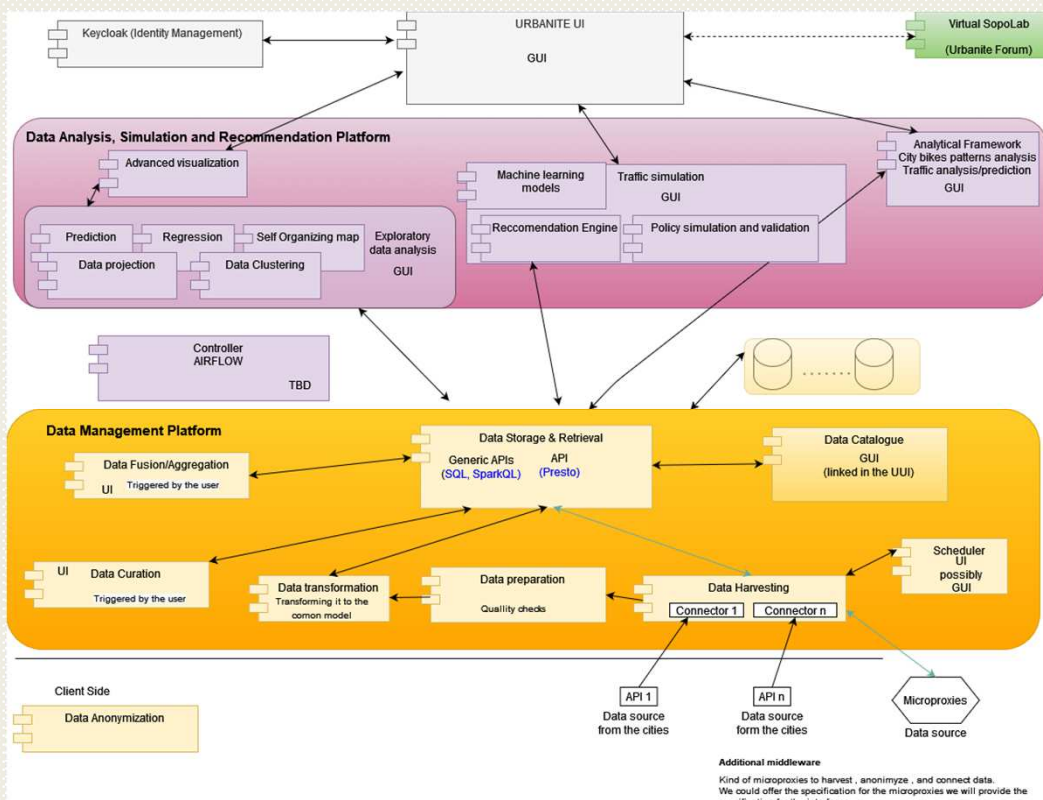


Validate URBANITE Key Results in 4 real use cases: Amsterdam, Bilbao, Helsinki and Messina



Develop a viable business model to ensure the sustainability of URBANITE

TECHNICAL APPROACH

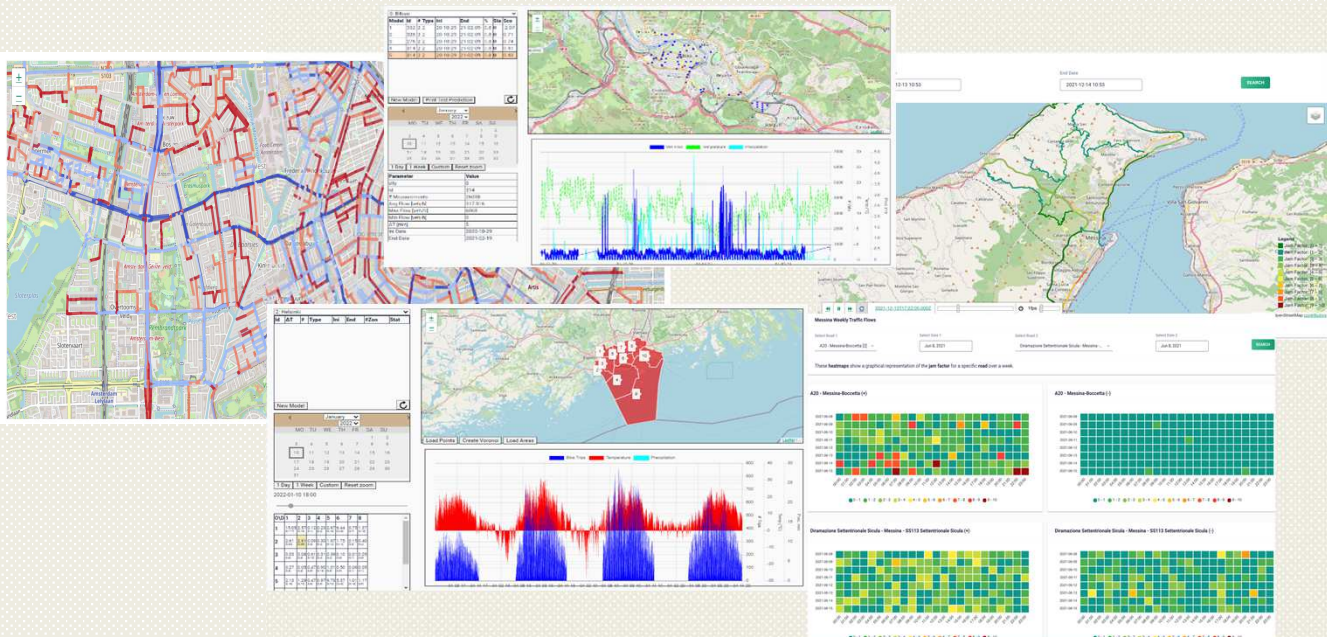




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SOME TECHNICAL RESULTS

- A Data Management Platform that:
 - Ensures that the harvested data is checked and evaluated based on a defined format and structure criteria that ensure interoperability. Vocabulary, model definition and data harvesters, following the EU vocabularies and DCAT-AP metadata standards.
 - Is in charge of mapping, aggregation, storage and retrieval of the curated data, defining a common model for storage of the information and knowledge extraction. Also handling the semantic processing of the curated data as well as the aggregation and deduplication of the data that originate from distinct sources.
- Data-based analysis capabilities as traffic analysis/prediction city bikes patterns analysis, analysis related to traffic and public transportation, as Weekly Traffic Flows or LPT Critical Areas Identification.
- A first set of simulations focused on:
 - A better understand the consequences of densifying city areas.
 - Improvement of the public transport services, with new lines and/or frequencies or stops.
 - Deployment of new infrastructures, for vehicles, pedestrians or bikes.
 - Adding urban Limited Traffic Zones (LTZs).



CONSORTIUM



Web: www.urbanite-h2020.eu

Twitter: @urbaniteh2020

LinkedIn: www.linkedin.com/groups/69691

Slideshare: www.slideshare.net/URBANITEProject

GitHub: git.code.tecnalia.com/urbanite

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 870338