



Supporting the decision-making in URBAN transformation with the use of disruptive TEchnologies

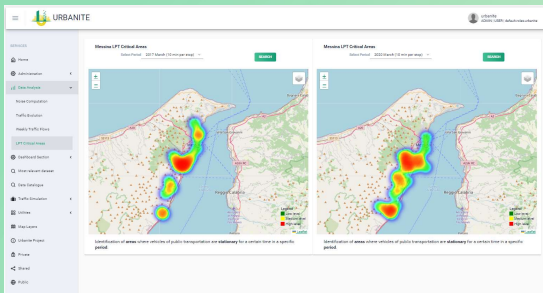
INTRODUCTION

The **decision-making process in the policy making should rely on data driven evidence**, in most of the cases, the raw data needs to be processed to transform it into actionable information. For this purpose, **several tools have been developed within the URBANITE project to transform urban mobility data into usable information**. Tools are classified into **data analysis, simulation and recommendation support**.

DATA ANALYSIS

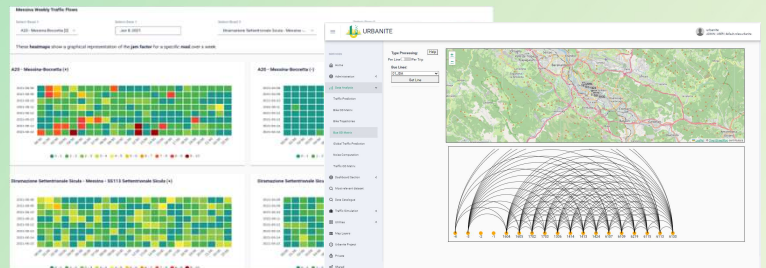
Traffic analysis

- Weekly Traffic Flows and LPT Critical areas.

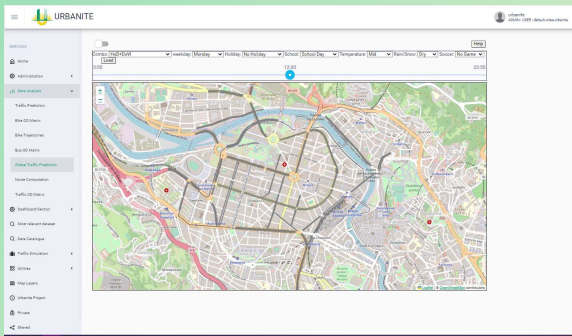


Public Transport Analysis

- Bus travel time.
- Public Transport O/D Matrix estimation.

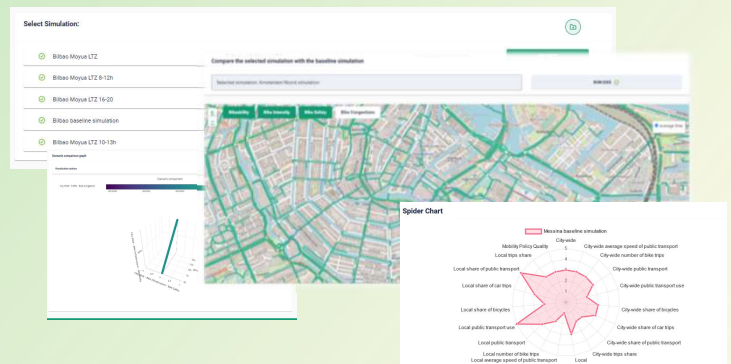


- Traffic prediction and noise estimation



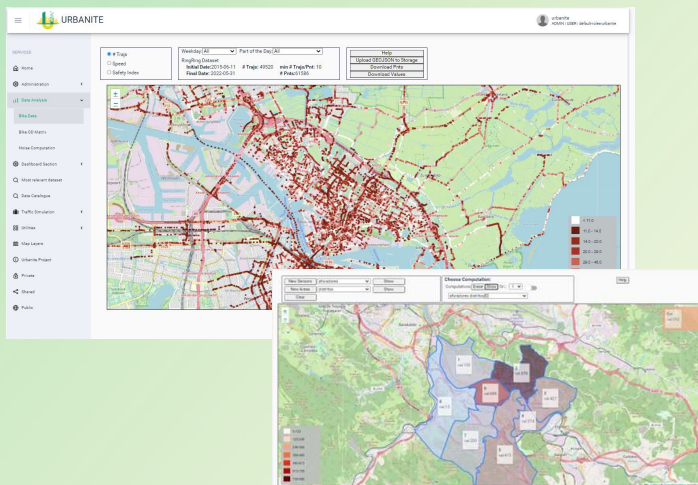
SIMULATION

- Simulations of potential scenarios including: new public transport services, limited traffic zones, dedicated lanes or new infrastructures.
- Multi-criteria decision analysis.



Biking analysis

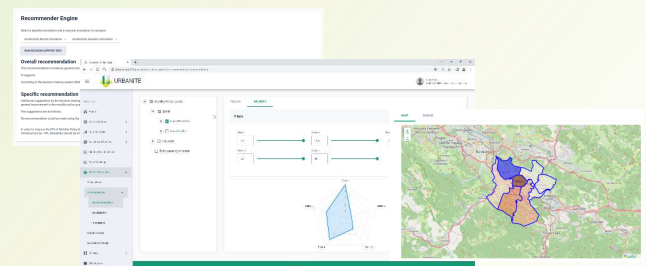
- Bike OD Matrix Prediction.
- Bike Trajectories analysis
- Safety Index.



POLICY RECOMMENDATION

The engine provides two types of recommendations:

- General recommendation.
- Specific recommendations regarding which KPIs (+/- 1/2 analysis).
- Cross-pilot recommendations based on Memory-Based Collaborative Filtering



REFERENCES

- D4.3 URBANITE policy decision model
- D4.4 URBANITE traffic flow model
- D4.5 Recommendation system for policy design

Contact Information:

Sergio Campos
T +34 664 100109
sergio.campos@tecnalia.com



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