



**A set of
connected
views and
tools**

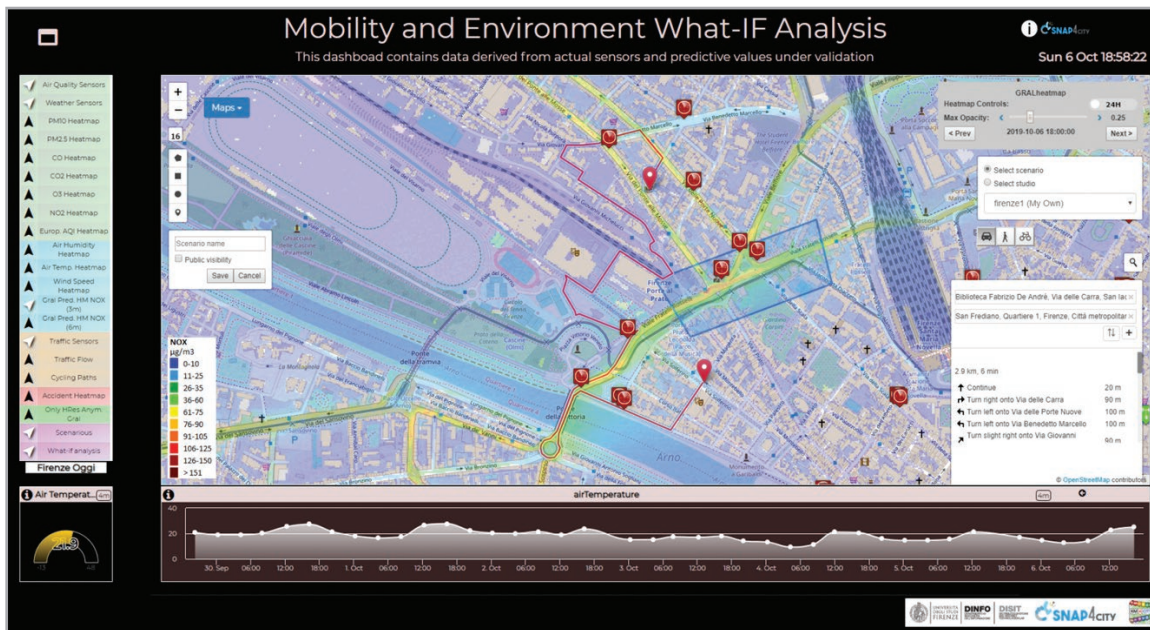
Predictions and Anomaly Detections



<https://www.snap4city.org/dashboardSmartCity/view/index.php?iddasboard=MTE3MA==>

The Florence municipality started in 2015 by exploiting Km4City (<https://www.km4city.org>) for data aggregation. Then the production of dashboards has strongly improved the solution. Since 2019, Florence passed to Snap4City powerful platform which has integrated the former solution and many other features. Snap4City provides a range of solutions and a secure environment for Smart City Control Room and what-if analysis. Relevant aspects are also related to the Data Analytic and Analysis Tool by which the City Operators can perform What-If analysis dynamic routing on the basis of eventual unexpected events and taking into account: city context, pollution, traffic, cycling paths, etc.

Operator Dashboards



Data Analytics What-If Analysis

<https://www.snap4city.org/dashboardSmartCity/view/index.php?iddashboard=MjE5MA==>

The above Dashboard exploits data analytics as: parking prediction, public transportation delay analysis, traffic flow reconstruction, prediction of environmental data.

The above features can be tested mobile Apps on Google Play or Apple Store, and on Dashboards accessible from <https://www.snap4city.org> in the public set. On the dashboards, you can navigate on several predictions, in past and future and you can see the 24H animation of the next and past days.

Other examples and connected scenarios:

- Dashboards Touch Screen Support for Situation Rooms and What-if analysis Operators: <https://www.snap4city.org/511>
- Smart City Control Room Dashboards: Big Data Infrastructure, from data to decision support: <https://www.snap4city.org/525>
- Dashboard Info: What If analysis dashboard online help: <https://www.snap4city.org/521>
- Sindaco Nardella at Smart City Expo World Conference 2018 (ITA): <https://www.snap4city.org/353>
- Snap4City Dashboards: Overlook Your City: <https://www.snap4city.org/400>
- Data Analytics: the cases of Antwerp and Helsinki, and general views: <https://www.snap4city.org/524>
- TC1.20: Add a private chat room at your dashboard (public or private): <https://www.snap4city.org/515>
- Advanced Smart City API for mobile app development, development tutorial: <https://www.snap4city.org/20>
- Balancing of traffic in Florence, ingoing and outgoing flows: <https://www.snap4city.org/dashboardSmartCity/view/index.php?iddashboard=MTc2MQ==>
- Dashboard Life in Toscana with Origin Destination matrices: <https://www.snap4city.org/dashboardSmartCity/view/index.php?iddashboard=MTc3NA==>
- Dashboard on Mobility on Florence: <https://www.snap4city.org/dashboardSmartCity/view/index.php?iddashboard=OTA5>
- Dashboard on mobility Pisa: <https://www.snap4city.org/dashboardSmartCity/view/index.php?iddashboard=MjUy>
- Mobile App on all Stores: <https://www.snap4city.org/489>
- Snap4City mobile App: City in a Snap (available for Antwerp and Helsinki): <https://www.snap4city.org/448>
- Trafair project: example of GRAL: <https://www.snap4city.org/500>
- Traffic Flow reconstructions: <https://www.snap4city.org/dashboardSmartCity/view/index.php?iddashboard=MTc5NQ==>
- P. Bellini, D. Cenni, M. Marazzini, N. Mitolo, P. Nesi, M. Paolucci, "Smart City Control Room Dashboards: Big Data Infrastructure, from data to decision support", Journal of Visual Languages and Computing, <https://ksiresearchorg.ipage.com/vlss/journal/VLSS2018/paper%2030.pdf>

Welcome to Florence on Snap4City: <https://www.snap4city.org/747>

Extended version accessible from: <https://www.snap4city.org/531>

Contact: <https://www.snap4city.org>

Partners: Comune di Firenze, Città Metropolitana di Firenze