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“URBAN MOBILITY, ROADS NETWORK OPERATION AND ITS APPLICATIONS”



VAI+ - Viabilità Anas Integrata

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Objectives

VAI plus (Viabilità Anas Integrata) is a mobile app, totally developed by ANAS internal resources, with the clear aim to provide road users for information related to road network.



SHARE

Monitor road network status in order to get information always up-to-dated on its real conditions, using advanced technologies and experimenting with new solutions

CENTRALIZE

Allow an optimization of traffic management, thanks to the amount of information provided to ANAS road managers by Operational Control Rooms

CONNECT

Optimize the supplying of information services to road users, with a clear attention to content distributed via mobile or via download from the e-Store

USER EXPERIENCE

VAI+ is an app for providing road users of data related to traffic.

VAI+ app allows road users to look for delays, queues and driving restrictions both on ANAS road network than on other Italian road routes operated by other road agency.

User experience and VAI+ main features are briefly illustrated on the side panel.

- Slow Traffic
- Congested Traffic
- Chain on board required
- Closed Road
- Cameras display available
- Work in progress
- Orders

Traffic Flow feature allows average speed display on main motorways and national roads within the Italian road network. three traffic modes have been defined:

- Regular traffic
- Slow traffic
- Congested traffic

Users can interact with:
 Event details: an informative pop-up that shows different section for geographic information, as region, road and description and the estimated user direction.

Distance from events: it shows the main events from user location, pointing out also the distance in kilometers.
 Map filters: it was conceived also the chance for users to apply filters based on search parameters, as street, region and events.

Roma Torino Milano Napoli
 Firenze Bologna Bari Venezia Padova

What's next?

ANAS, enhancing its leadership role as Italian road operator, aims to guarantee a more effective and sustainable service to road users, optimizing travel times and costs. Next versions of VAI+ app will include:

- Integration of new features related to real-time information on travel times
- Management of the overall information flow by DATEX II protocol

Data management is up to Operational Control Rooms that are in charge for their validation and approval. Main information received include:

- Data input from Operational Control Rooms of ANAS (both at national level and regional level) such as messages, events, bulletins and orders
- Information automatically generated by traffic sensors deployed on the territory.

All over the road network, ANAS owns the following devices:



1247 Traffic sensors

1070 GPS and video equipped vehicles

479 Variable Message Signs

1005 Traffic cameras

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