







Jenesien

Integration of Traffic and Environmental data for improving green policies in the city of Bolzano

Bozen - Bolzano





URBAN MOBILITY PLANNING

PUM 2020 → LONG-TERM PLANNING

contains the guide-lines for the whole urban mobility actions, foreseen for the next ten years

PUT 2012 → SHORT-TERM PLANNING

contains a more detailed plan of the actions in

the next two years







MAIN TARGETS OF THE PUM 2020

- improve the quality of public places (squares, roads, parks, etc.)
- improve the quality and efficiency of the public transport
- give a mobility offer more and more attractive due to the requirements of tourism, commerce, culture and services
- reduce the CO₂ emissions related to traffic







| | Mean 2001/2002 | Mean 2005 | Autumn 2009 | Purpose 2014 |
|--------------------------------|-------------------|--------------|----------------|--------------|
| On foot | 35.2 | 31.6 | 29.5 | 31 |
| Bicycle | 17.5 | 22.7 | 29.0 | 30 |
| Bus/Train | 7.4 | 6.6 | 7.6 | 9 |
| Moto/Scoo ter | 6.3 | 6.0 | 6.7 | 5 |
| Car | 33.6 | 32.9 | 27.2 | 25 |
| Others | 0.5 | 0.2 | 0.0 | 0 |
| Total | 100 | 100 | 100 | 100 |
| Travel pro citizen a day | 3.5 | 3.4 | 3.4 | |

Modal split:







WAYS OF ACTION

PUBLIC TRANSPORT

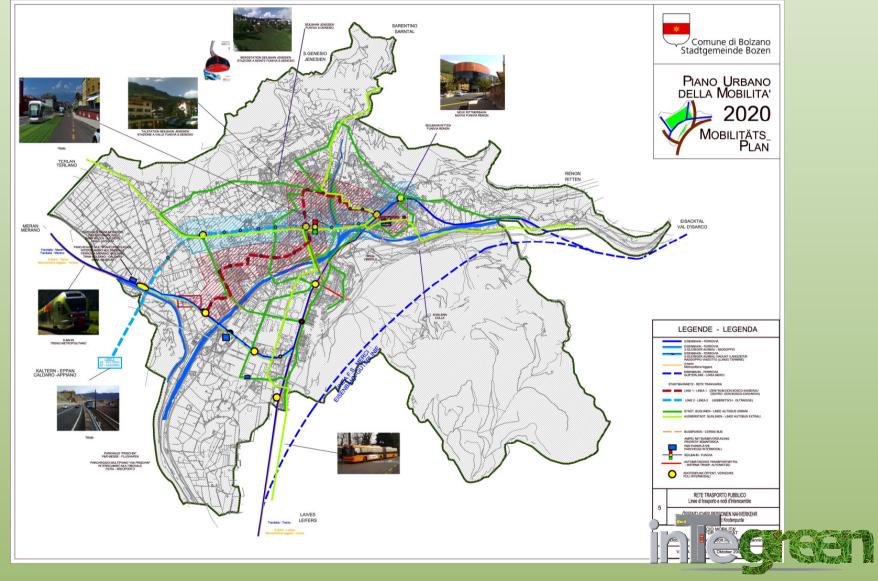
The main changes in the field of public transport are due to the next projects:

- Tram/metrobus Caldaro >Bolzano
- Tram/metrobus Bolzano Casanova > Bolzano City Center
- modernization of the existing railway and building of a new railway tunnel reserved for good trains (in order to avoid the residential area)
- modernization of the older cablecars
- improvement of the city bus route







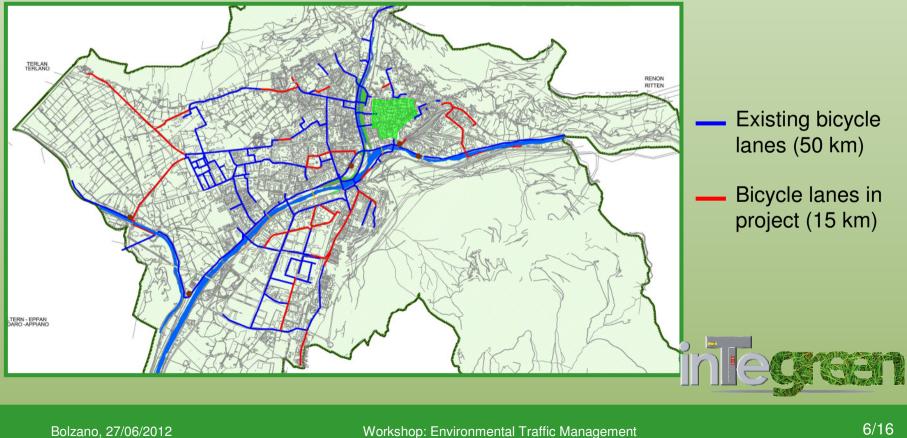






BICYCLE LANES

The network of bicycle lanes will be developed with new connections and safety will be increased through infrastructural and educational actions.







MAIN ROAD NETWORK

The main projects developed in order to transfer the heavy traffic out of the city are:

• Bypass Sud SS12 "S. Giacomo - Oltrisarco"

tunnel (3,9 km long) to bypass the industrial area and the Arginale road

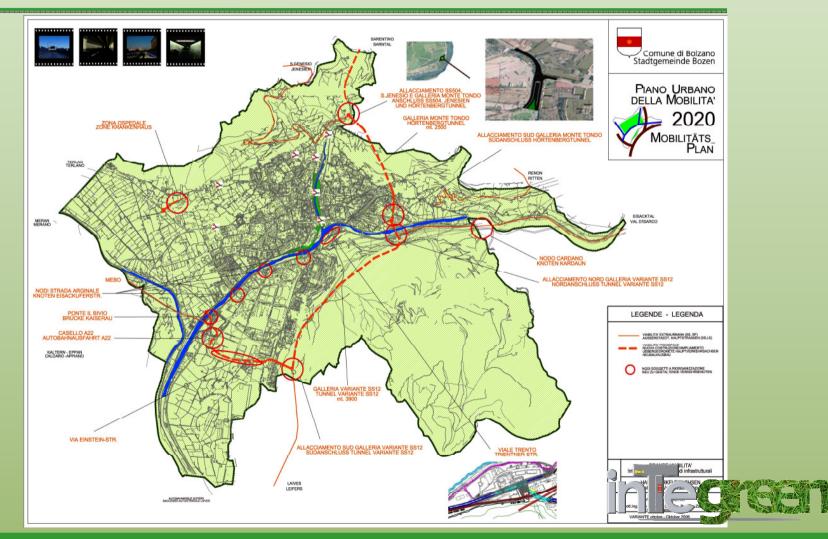
• Bypass Est "Piani di Bolzano - SS504 Val Sarentino" (tunnel 2,5 km long)

tunnel (2,5 km long) as connection between Piani di Bolzano and Sarentino Valley; necessary to move the heavy traffic of Sarentino Valley and San Genesio away from the residential area.









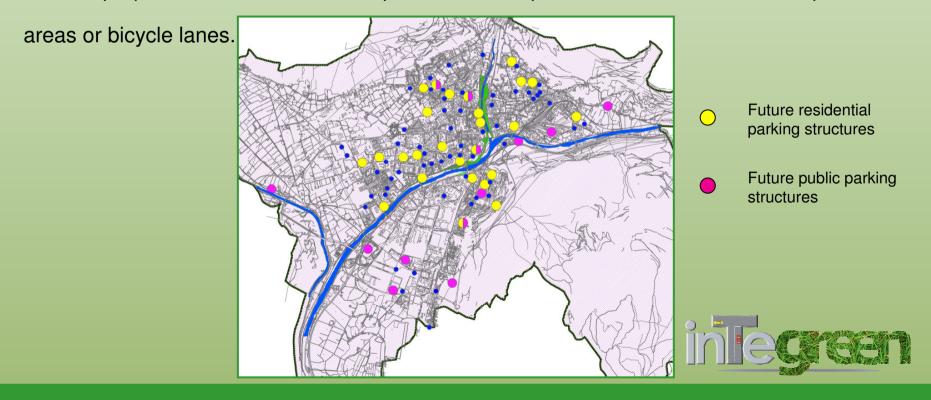
Workshop: Environmental Traffic Management





PARK POLICY

The development of a parking plan for the city allows us to build new parking areas underground, with the purpose to free streets and squares from the parked cars and use them as pedestrian







NEW TECHNOLOGIES FOR TRAFFIC MANAGEMENT

Development of new technologies for the traffic monitoring and management

- -Mobility Center
- -Parking Giudance System
- -Traffic measurement system
- -Video surveillance, etc.

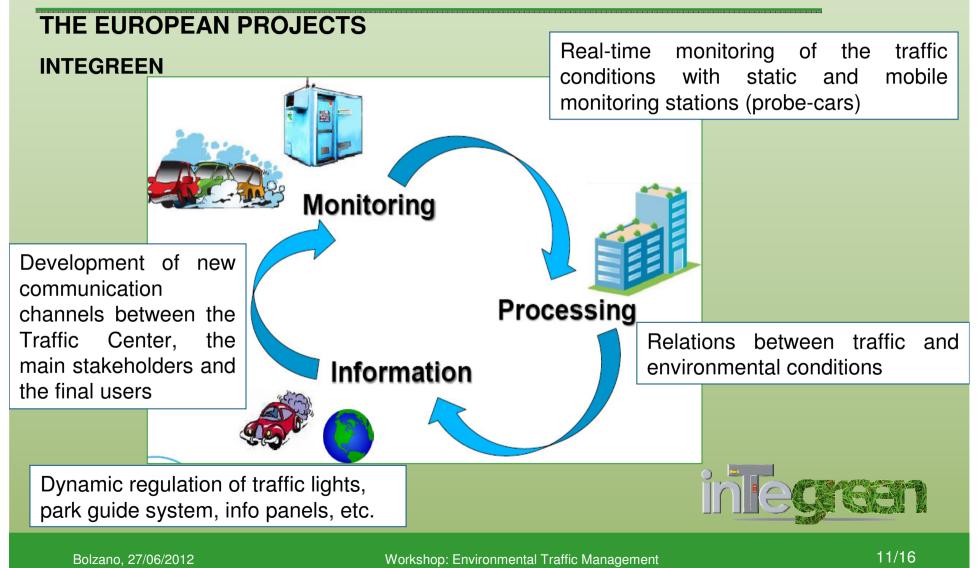
















INTEGREEN

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Make the final user aware of his influence on traffic and air pollution

Apply a dynamic traffic - regulation in order to reduce the environmental pollution

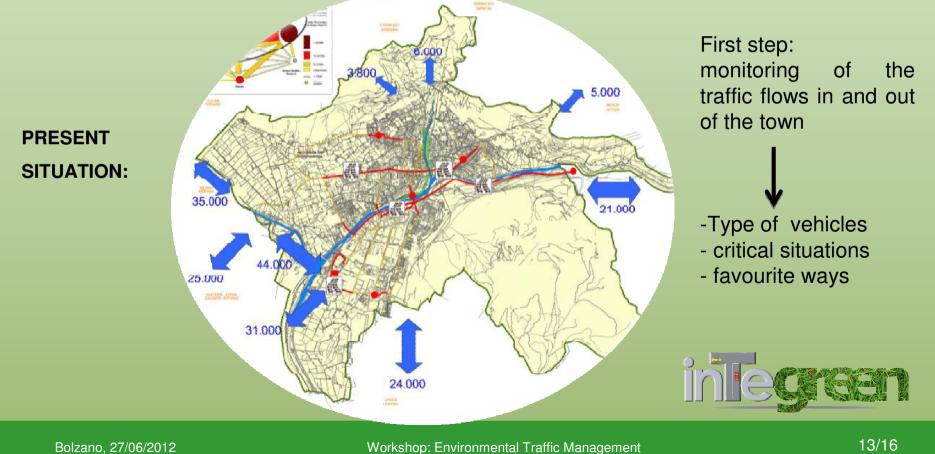






BOLZANO TRAFFIC

Traffic information service for turists, traders, cityzens to regulate the flows in and out of the city.







BOLZANO TRAFFIC

Main goals of the project:

- forecast the main seasonal traffic phenomena
- in time monitoring of the traffic flows in and out of the city (O/D)

- plan the best solutions
- inform travellers before and during the trip about the best route due to traffic conditions.







REZIPE

Shows methods for reducing the emissions of carbon dioxide (CO2), nitrogen oxides (NOx) and fine dust (PM10) by introducing zero emission vehicles (ZEV) in urban environments. The energy used in ZEV derives from renewable and clean energy sources. The vehicles are tested in pilot projects implementations in six European cities.













REZIPE

- New photovoltaic charging station for e-bikes installed in the city of Bolzano
- A second one will be installed
- 15 e-bikes are used by municipal employees for business trips.





