

Transport Telematics

in CIVITAS Plus cities (2008-2012)



VITORIA-GASTEIZ

- **ACTION** Implementation of a traffic information and management system
- **OUTCOMES** Increase of acceptance (+15%) and the quality of service (+43%)

BRESCIA

- **ACTION** Brescia Mobile Channel aimed at offering a variety of free services on mobile phones
- **OUTCOMES** The people interviewed gave a vote of 4 out of 5. The app was downloaded more than 4,000 times through the Apple store and Google play

BOLOGNA

- **ACTION** Implementation of IT systems for traffic signal enforcement, optimisation of traffic signal design, technical analyses of Variable Message Signs speed display
- **OUTCOMES** 46% reduction in accidents at crossings with traffic islands; 34% reduction in accidents at crossings equipped with traffic lights; 21.1% fewer accidents; 26% reduction in recorded flows

TALLINN

- **ACTION** 11 intersections equipped with 156 cameras for multi-functional enforcement to monitor the usage of a bus lane, speed limits and red lights
- **OUTCOMES** Traffic regulation related infringements decreased significantly (red light from 0.95% to 0.1%, bus lane from 7.95% to 2.2%)

ÚSTI NAD LABEM

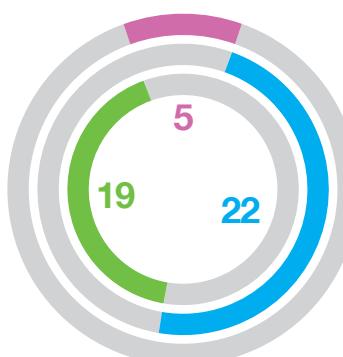
- **ACTION** Optimisation of traffic management and the establishment of a central mobility control station
- **OUTCOMES** Reduced congestion and improvement of traffic flow, allowing traffic to move 7.2% faster than before



AALBORG

- **ACTION** Introduction of 50 buses equipped with flat-screen monitors displaying real-time information
- **OUTCOMES** The service was considered to be useful by 90% of surveyed passengers. The acceptance of the advertisement has increased from 63% to 71%

MEASURES



Real-time road-user information

ITS-based enhancement of public transport

ITS for traffic monitoring, management and enforcement

SKOPJE

- **ACTION** First AVL and real-time information system at 10 bus stops based on GPS devices in 30 buses and 1 monitoring centre with new software
- **OUTCOMES** Thanks to a public-private partnership the number of real-time information displays will increase from 10 to 80, while the number of GPS-equipped buses will increase from 30 to 400

CRAIOVA

- **ACTION** 9 trams equipped with energy savings and electronic control device for priority
- **OUTCOMES** An increase of tram's speed in peak and off-peak, by 14% and 13% respectively; average occupancy increased by 1% in peak and 7% in off-peak

LJUBLJANA

- **ACTION** Direct communication technology called Zigbee for 210 buses and 15 intersections
- **OUTCOMES** High level of punctuality/success of traffic light triggering, 95% and 96.2% respectively for arrival and departure triggering; small reduction of travel times (53 seconds in average)