

Co-Cities

Cooperative Cities extend and validate mobility services



Co-Cities is a Pilot project setting up a mobile reference platform in cities and urban areas in order to introduce and validate cooperative mobility services. It will develop a dynamic “feedback loop” from mobile users and travellers to the cities' traffic management centres, and add elements of cooperative mobility to traffic information services. These software extensions are based on the In-Time Commonly Agreed Interface (CAI), and the pilots will be run in the cities of Bilbao (ES), Florence (IT), Munich (DE), Prague (CZ), Reading (UK), and Vienna (AT).

At a Glance

Project:

Co-Cities – Cooperative Cities extend and validate mobility services

Programme:

Competitiveness and Innovation Programme (CIP) – ICT Policy Support Programme

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Start date: 1 January 2011

End date: 31 December 2013

Total cost: €3.900k

EU-funding: € 1.950k

Project Website

<http://co-cities.eu>

OBJECTIVES

The objectives of Co-Cities are:

- To extend the number of cities which install the In-Time Commonly Agreed Interface and connect it to the traffic management centre for a regular feed of data and information.
- To develop a fast and reliable validation process for cooperative traffic information services by using a “reference platform”.
- To make transport information services more attractive and appealing to users in urban areas.

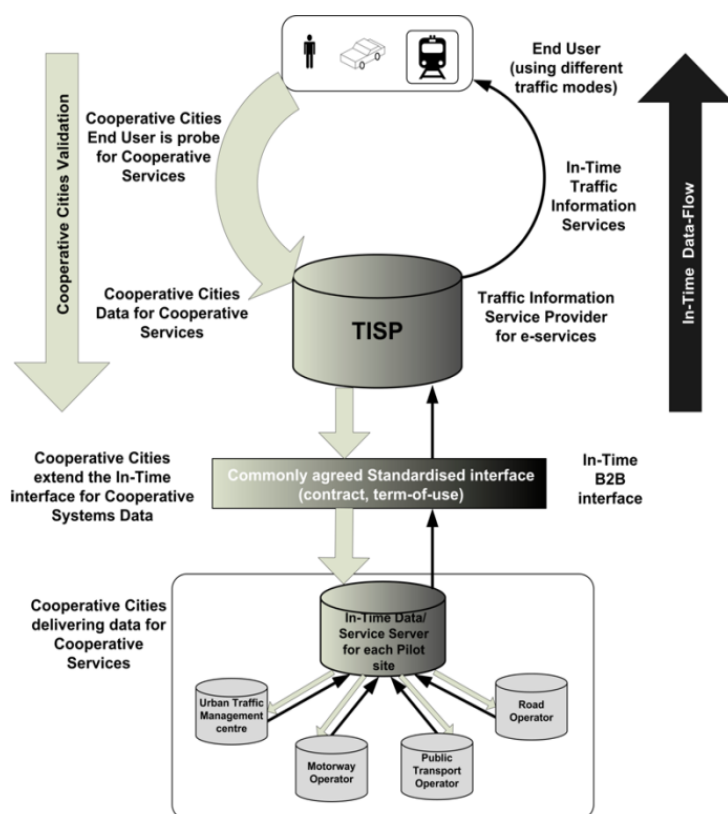
SERVICES

For the purpose of traffic management in urban areas, these objectives will be achieved by the deployment of both the transport information services listed here below and their extension with a cooperative element:

- **Interoperable and multimodal RTTI services to end-users**, offered by Traffic Information Service Providers (TISPs), will use different hardware and software platforms such as personal navigation devices, smart phones and web services and develop Europe-wide services based on regional traffic and travel data.
- **Business-to-business services** will enable Europe-wide Traffic Information Service Providers (TISPs) to cooperate with regional and urban authorities in fields such as strategy-based routing and adaptive mobility services.

TECHNICAL CONCEPT

The central part of the Co-Cities concept is an interoperable and multimodal Regional Data/Service Server (RDSS), which is a service-oriented middleware infrastructure providing a number of data/services. These cover and enable the operation of end-user applications through Traffic Information Service Providers (TISPs).



Technical concept including the "feedback loop" from end users to cities' traffic management centres

For the validation of cooperative service concepts, Co-Cities covers the full "feedback loop" from the end users to the TISPs and regional and local authorities. This includes:

- User acceptance of the delivered and piloted services in the pilot cities of Co-Cities;
- Data services from the TISP to the traffic management centres of the cities involved but also to other transport modes and operators;
- Comparative Assessment of the delivered data and information services against a "reference platform" in order to identify best practices and enable the exchange of experience between stakeholders.

IMPLEMENTATION

For a detailed validation, Co-Cities' systems will be implemented and operated in six European pilot sites. Best practices for the development of cooperative mobility services in urban areas will be described in a roadmap.

Following "Co-Cities" will pilot the systems:

- Bilbao
- Florence
- Munich
- Prague
- Reading
- Vienna.



The In-Time Commonly Agreed Interface

The In-Time CAI, which is used and extended by Co-Cities, is a standardised harmonised interface between operators and service providers (B2B interface). Different operators can continuously provide up-dated data which is then translated into a standard format. Transport Information Service Providers (TISPs) have access to this data via the CAI and can use it to generate their services.

IMPACT

The Co-Cities services will strongly contribute to the objectives of improved road safety, increased energy efficiency, higher comfort and, last but not least, sustainability of transport in urban areas.

Based on the experience of the pilot cities, a deployment roadmap for cooperative mobility services will be drawn. Moreover, a path for adding further service items to traffic and transport related information services will be proposed.

The result of this validation of cooperative mobility services in six European cities will be an increased exchange of experience between public authorities and TISPs in Europe and a faster take-up of best practices.

Further information:

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http://europa.eu/information_society