



# **1. Forum Co-Cities: Cooperative Cities extend and validate mobility services**

**11<sup>th</sup> October 2011**

**14.00 – 17.30, Polis, Brussels**

**Alexander Frötscher, AustriaTech  
(Co-Cities Coordinator)**



# Agenda

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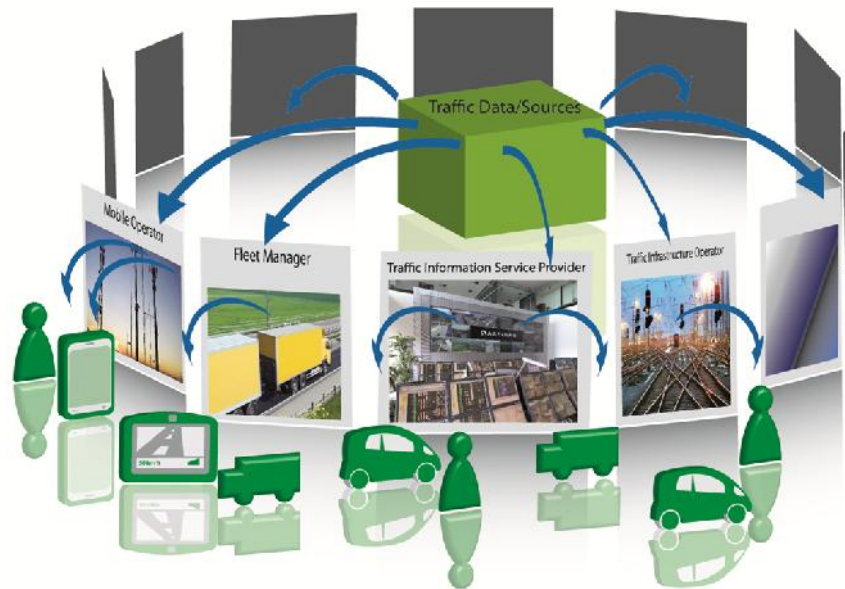


- RTTI services in cities
- In-time concept and users
- Co-Cities service extensions
- Pilot Cities and partners
- Platforms for service delivery
- Open items for cities and TISP's

# RTTI Services in Cities



From Traffic Data to Customized Services



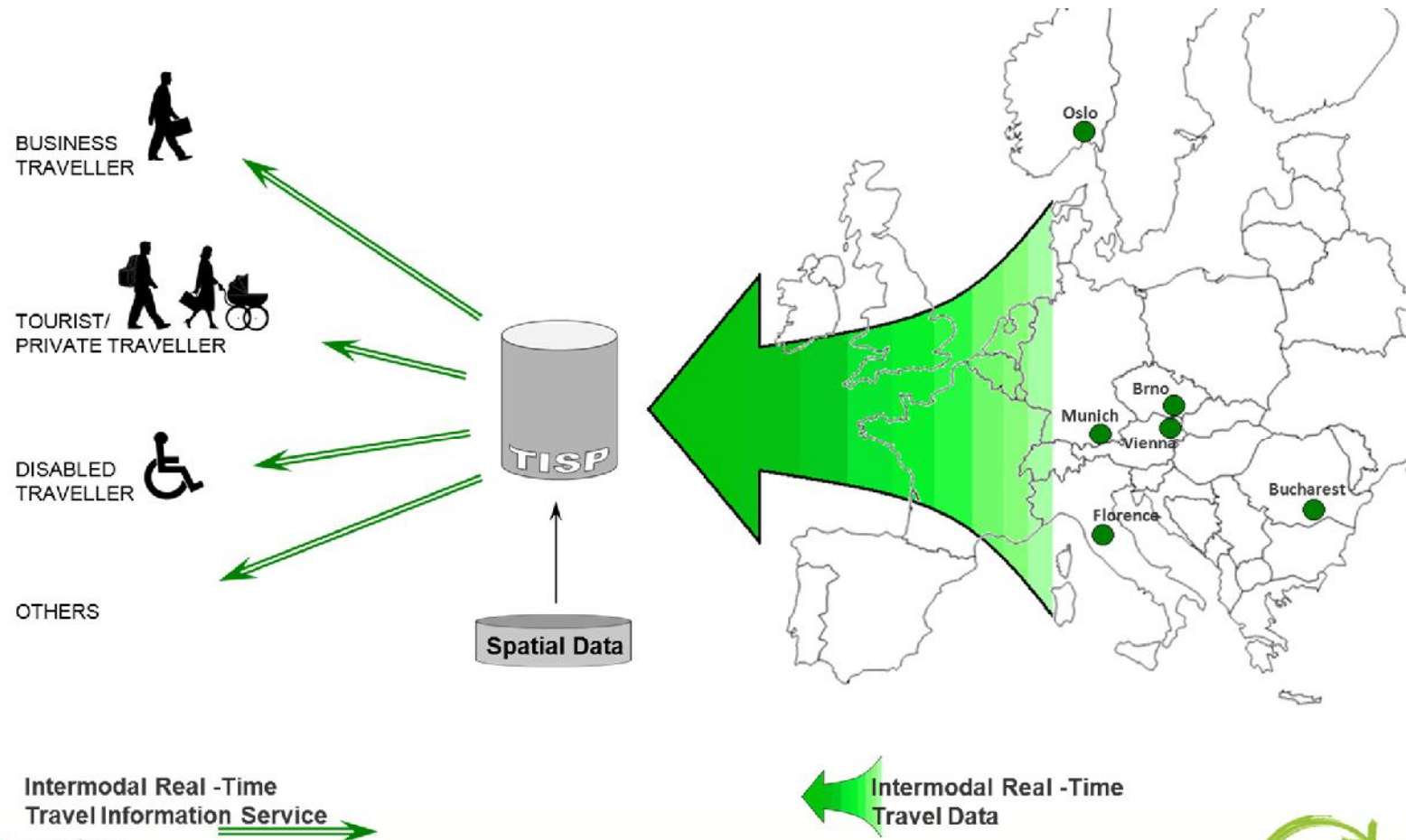
Real Time Traffic and Travel information services in cities

- Transport information services for all modes which are coherent with the overall policy strategy and at the same time adaptive to changing dynamic traffic conditions and “interactive” with travellers.

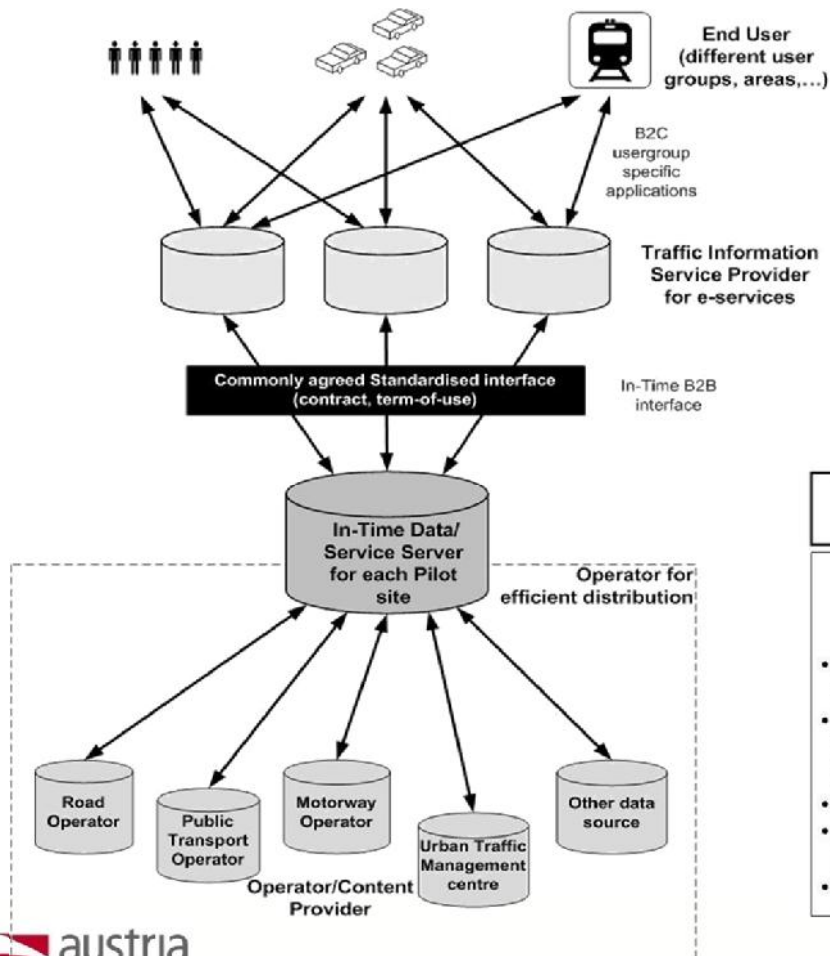
characteristics:

- Personalized and provided in real time
- Selected by the users - from the preferred service provider - TISP
- Delivered on open platforms, but with access to shared traffic data

# Based on In-Time: common access to data



# Concept of the RDSS (Regional Data/Service Server)



Data sources and generated transport information Services via the In-Time CAI

## In-Time Dynamic Multimodal Journey Planning

### Mandatory Core Service

- static road traffic information
- dynamic road traffic information (higher road network)
- static parking info
- static public transport information
- walking information

### Core Service

- dynamic road traffic information (secondary road network)
- dynamic PT info
- dynamic PT journey routing
- dynamic parking info
- enhanced walking planning
- dynamic cycling planning

### Add-on Service

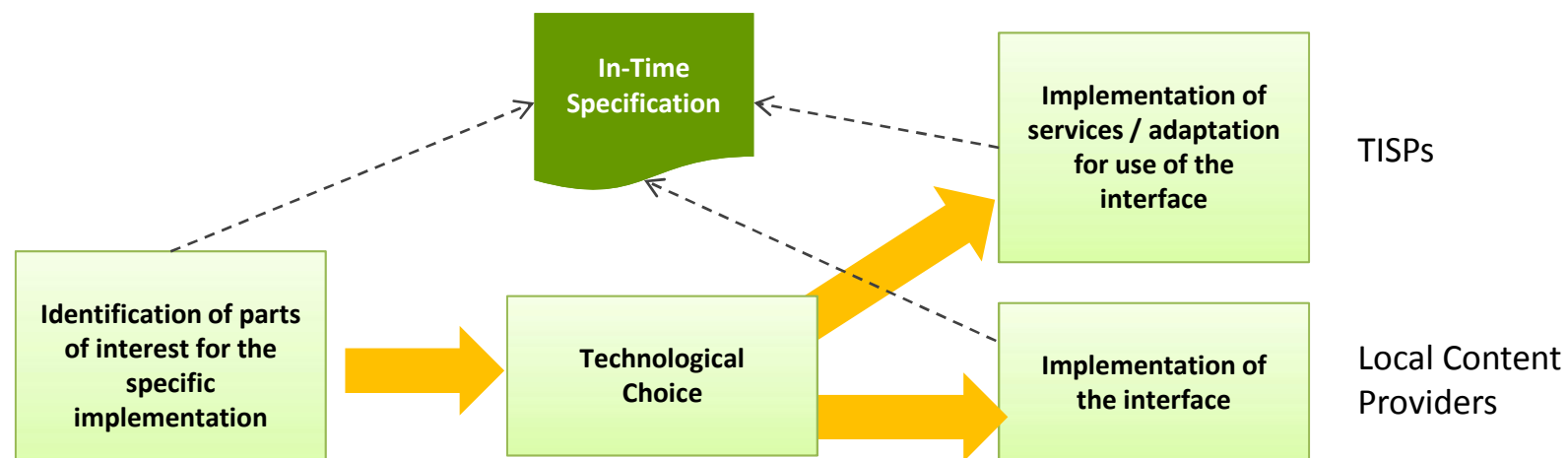
- dynamic freight traffic information
- dynamic POI info
- dynamic traffic event information
- dynamic weather information
- static and dynamic flight information

# In-Time: Implementation



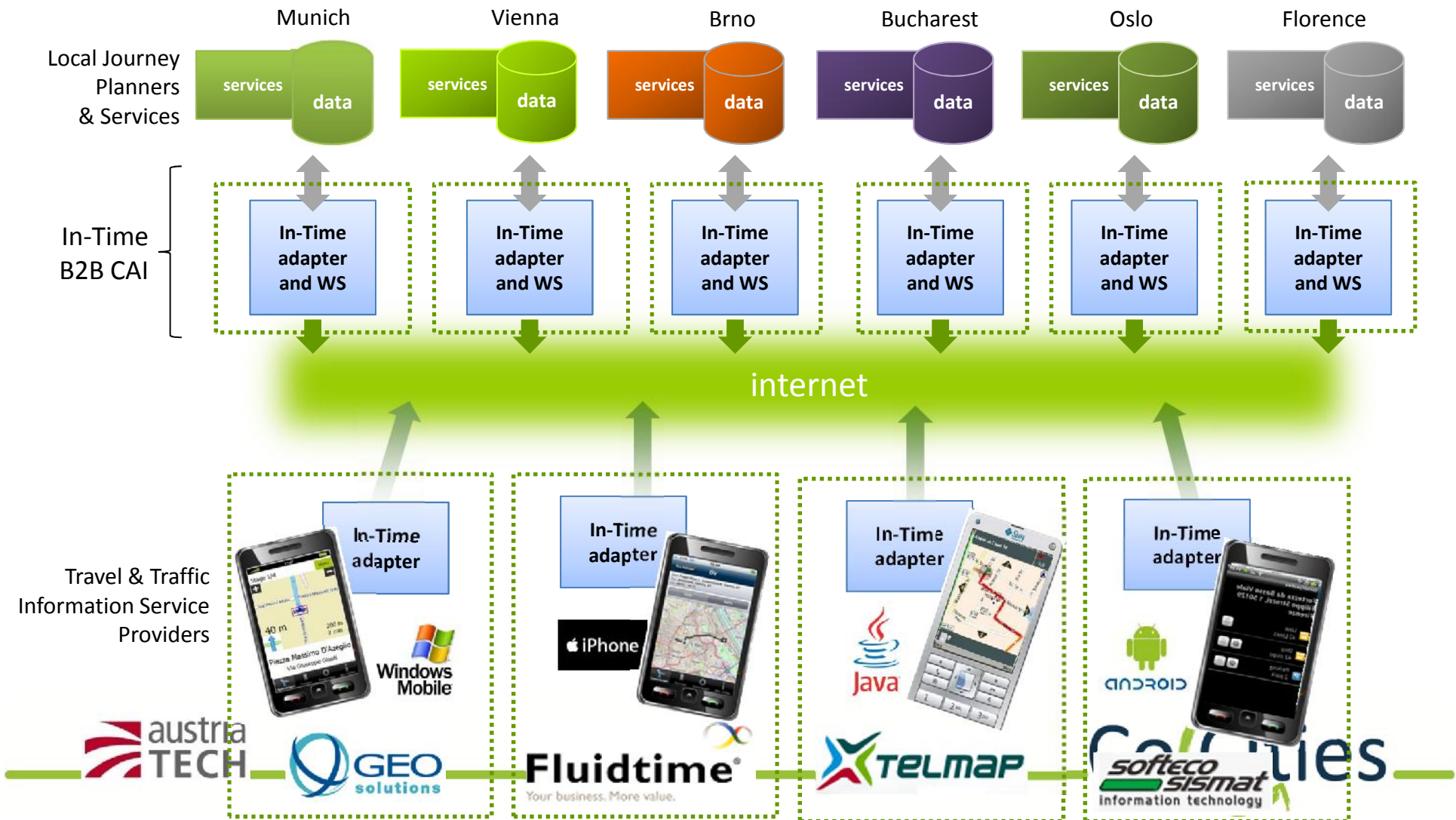
In-Time provides modularity and flexibility for the implementation of the interface in the specific traffic domains and for the end user services of interest.

Being platform independent, the preferred technological choice can be adapted for the implementation.





# In-Time: Implementation

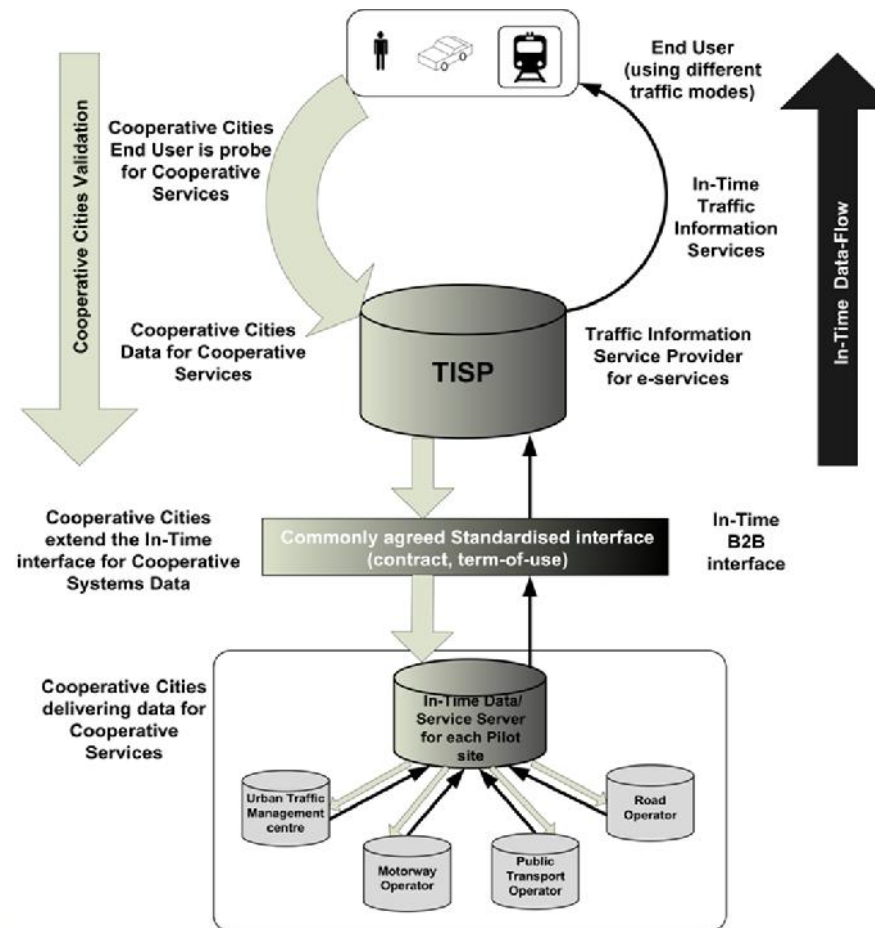


# Co-Cities service extensions

## Activities:

- Collect User feedback from information services / validation
- Extension of In-time interface for platforms with cities
- Define the options for the Cooperative services in Cities

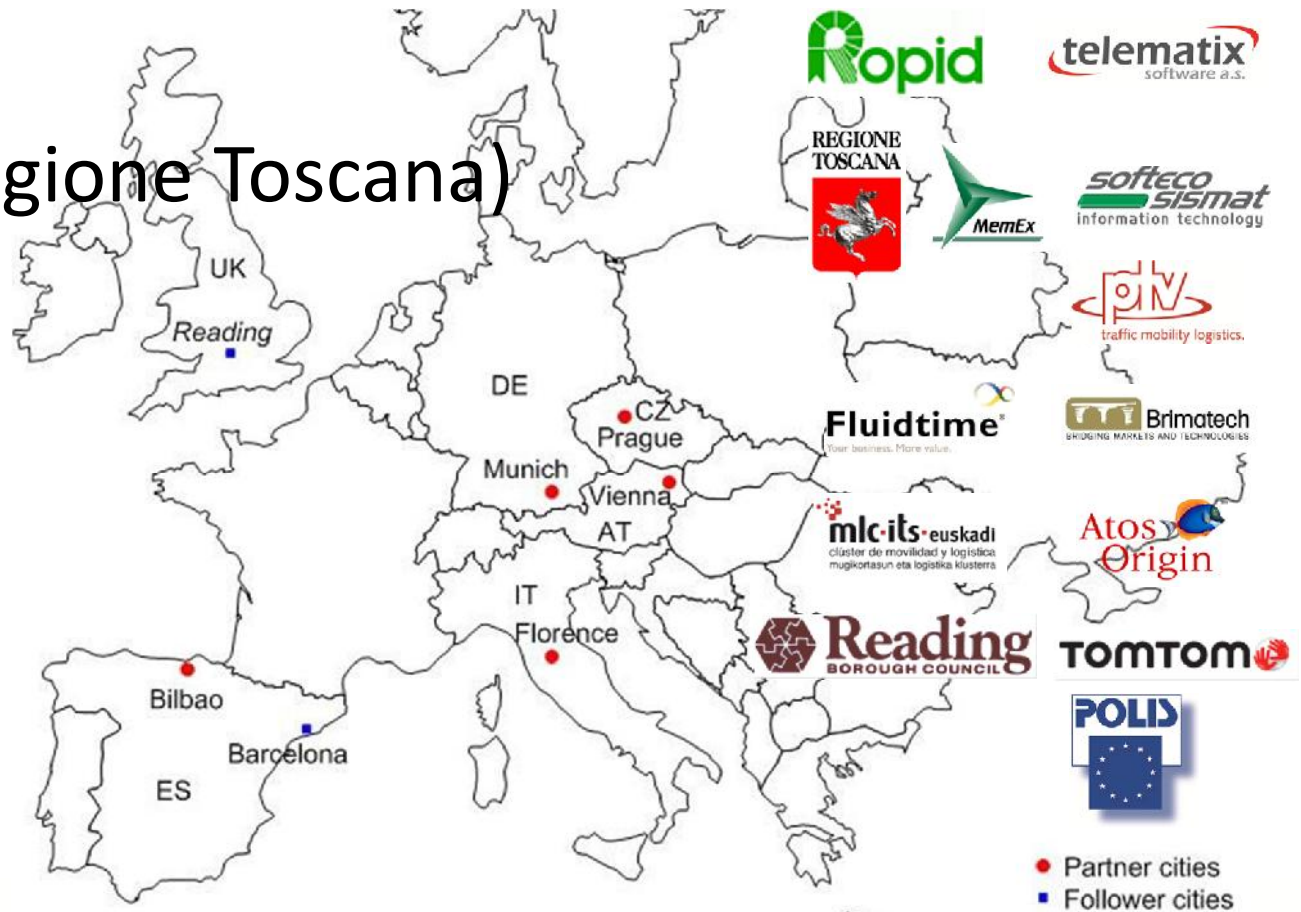
=> Roadmap for cooperative mobility services in cities





# Pilot cities for service validation & partners

- Prague
- Florence (regione Toscana)
- Munich
- Vienna
- Bilbao
- Reading



# Future Platforms for service delivery in urban environments

- Service delivery platforms (integrated into the vehicle, personal navigation device, or smartphone).



 **austria  
TECH**



 **CoCities**

# Open items for cities and TISP's



- For cities the setup of one (regional) source of traffic information for all modes on an open platform is the first step
- This includes the CAI (Common Agreed Interface) to traffic information and distributed services via different mobile platforms => serves users needs through their selection of the preferred TISP
- Co-Cities extends these services with a feedback loop from end users to traffic management centers, what are the services/events which you would include in such an evaluation?
- Service evaluation and extensions are important to adapt it to travellers needs: what are the topics that you currently miss?

# Contact



- IPR of all mentioned trademarks are owned by the respective companies!

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# **1. Forum Co-Cities: Cooperative Cities extend and validate mobility services Use cases and feedback collection**

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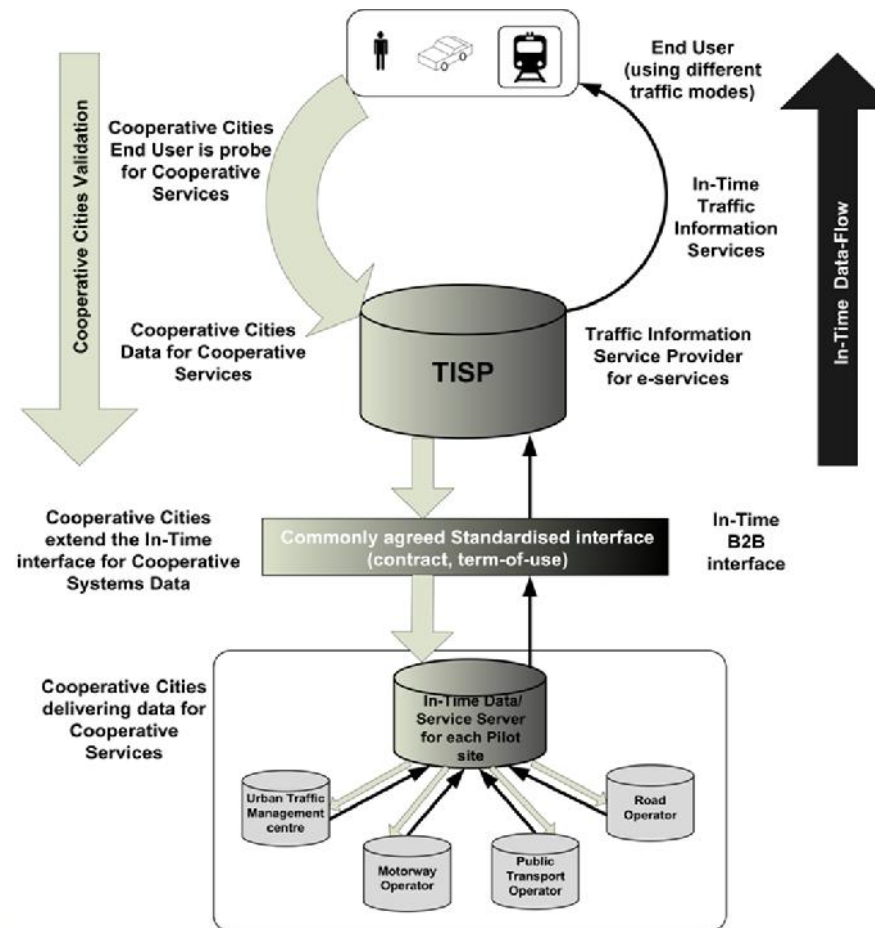
- Activities in Co-Cities
- Traffic information service feedback
- Extensions of urban platforms
- Common quality assessment of end user services
- Reference platform
- Development of the cooperative systems roadmap

# Co-Cities service extensions

## Activities:

- Collect User feedback from information services / validation
- Extension of In-time interface for platforms with cities
- Define the options for the Cooperative services in Cities

=> Roadmap for cooperative mobility services in cities



# Co-Cities feedback collection:



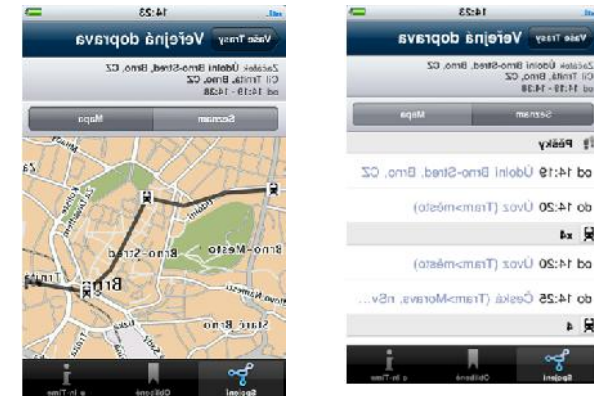
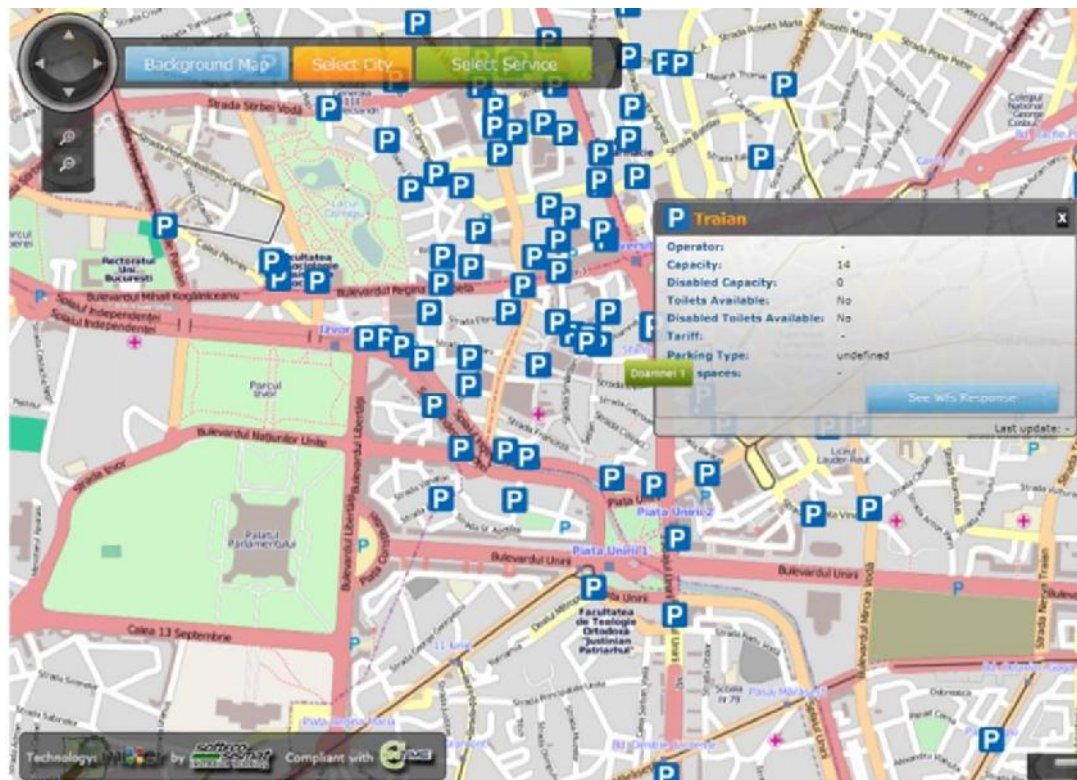
Project activities:

Collect User feedback from information services /  
for validation purposes and traffic monitoring

- S1: Static and intermodal in car navigation in city
- S2: Parking information in urban areas
- S3: Public transport advice
- S4: Dynamic and intermodal in car navigation in city
- S5: Walking and bicycle route advice

# Co-Cities: Feedback collection of end user services

Information displayed on central end users application & portal – (Mixer , Softeco)



# Co-Cities service extensions



## Activities:

Extension of In-time interface for platforms in cities

This includes **regular** and direct feedback to one of the information items of the delivered services, e.g. is the indicated parking space accessible at the time I arrive there and are free places available?

But also **event triggered** feedback from users based on a deviation from the proposed route.

And additional aspects, e.g. are all the transport means for the indicated fastest PT route included in my daily ticket?



## Co-Cities: **Quality assessment** of end user services (TISP – City)



- **Common quality assessment of end user services (QA)**
  - **Goal :** is to give an overview of the quality of the end-user services offered by the 4 TISPS and to compare the quality of the end-user services with the quality of the services provided by the RDSS

# Co-Cities: Quality assessment of end user services (TISP-City)



## ○ Common quality assessment of end user services (QA)

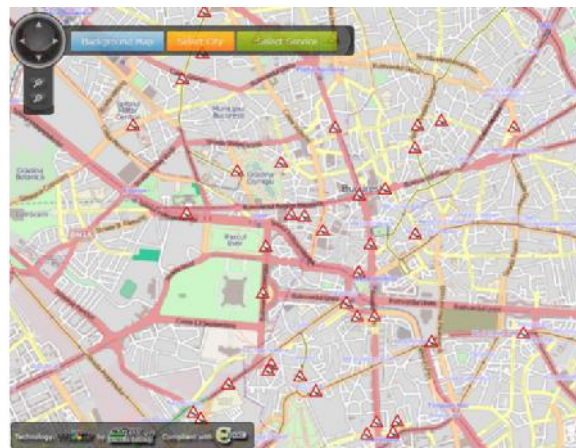
Procedure followed:

- Run In-Time applications of each TISP

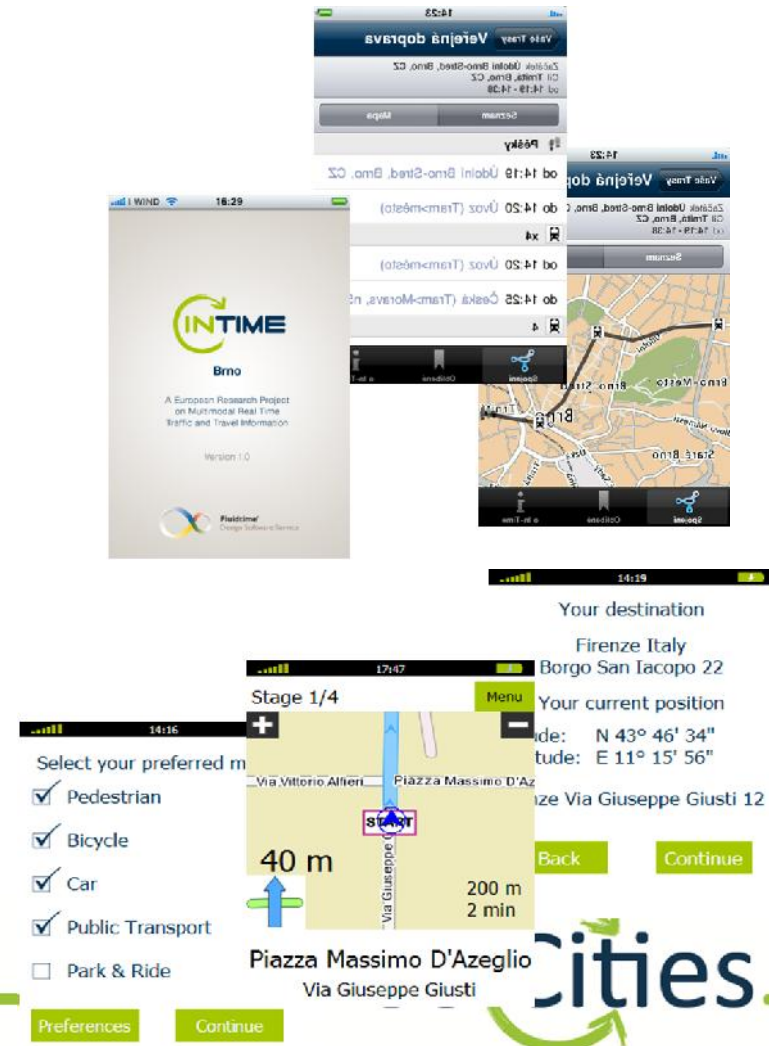


- Evaluate several journeys in each city to collect experiences for objective decision - simulated lab journeys and real outside testing.
- Observe the behaviour of the application and information output of the routing service and fill-out the test evaluation sheets provided.

# Co-Cities: Quality assessment tool – reference platform



- Use of a Reference platform in Co-Cities:
- Access to all logged data
- Positioning comparison
- Easier service evaluation



# Co-Cities service extensions



## Activities:

- Define the options for the Cooperative services in Cities, and these options are
- Service extension, geographical coverage and integration between modes in the data sources
- Communication network extension
- Collect feedback from users regularly to improve the services offered together with the TISP's

**=> Roadmap for cooperative mobility services in cities**

# Co-Cities: 11.10.2011



Notes:



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