



CO-CITIES – LESSONS LEARNED FOR RTTI (REAL TIME TRAVEL INFORMATION) IN EUROPE

INFORMARE GLI UTENTI IN MOBILITÀ IN EUROPA: RISULTATI E LEZIONI IMPARATE NEL PROGETTO CO-CITIES

**BOLZANO TRAFFIC WORKSHOP: 24. JUNE 2014 – 11:00,
ALEXANDER FROETSCHER, AUSTRIATECH**

Co-Cities Project



OUTLINE:

- Co-Cities project approach
- EU wide services
- Components and mobile clients
- Services provided and feedback functions
- Demonstrations in cities
- Lessons learned and experiences
- Co-Cities Forum

Co-Cities project approach



A. Information provision



B. feedback provision



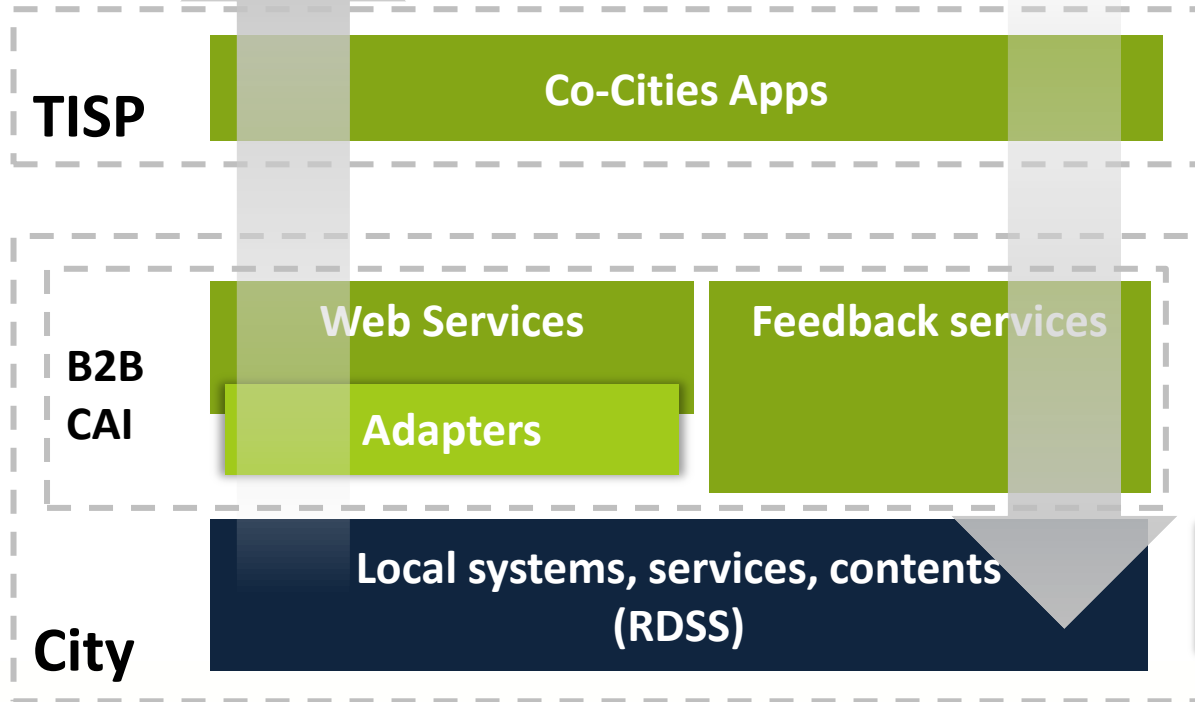
End users

softeco
sismat
information technology

telematix
software a.s.

PTV GROUP
the mind of movement

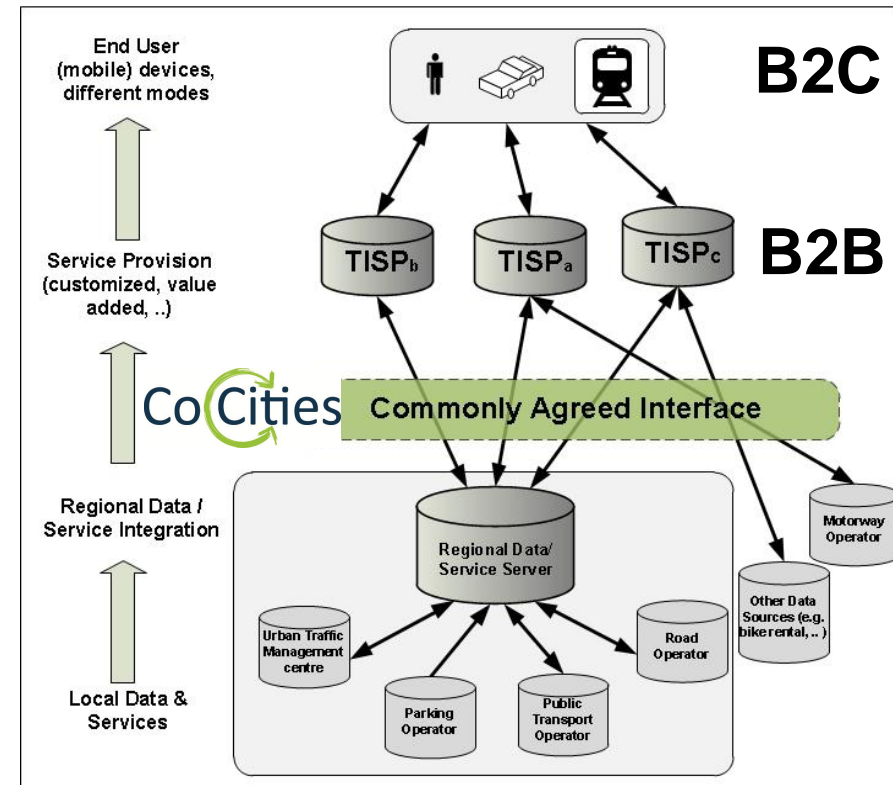
MOM
Mobilità di Marca



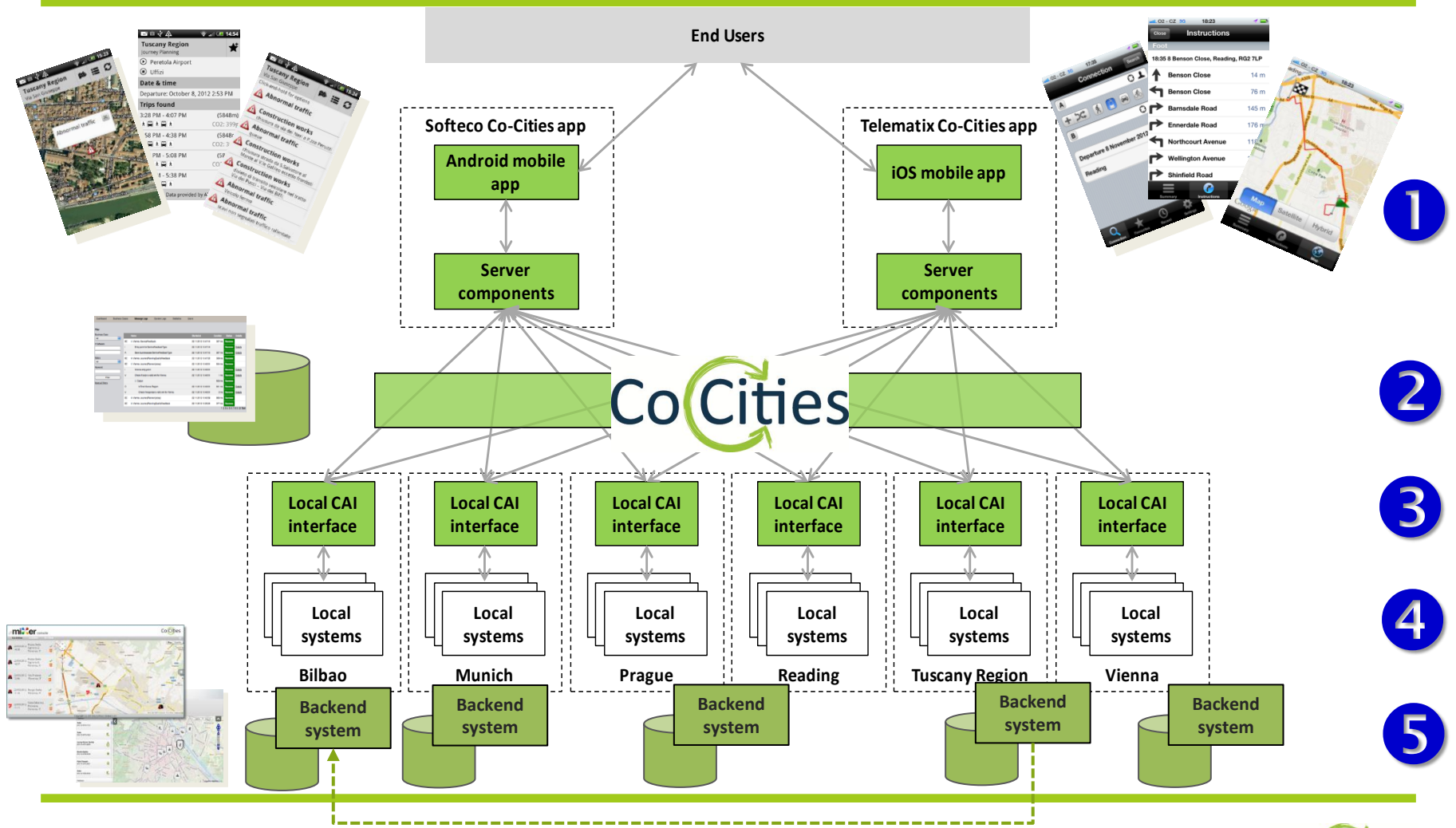
CoCities

CAI - Commonly Agreed Interface

- Developed in EU project, **publicly available** (since 01/2012) and **open source!**
- **Collaboration** of cities / regions, local authorities and service providers
- Offers a **vendor independent** single point of access to content and services for cities & TISP



EU wide ITS Services - Co-Cities view

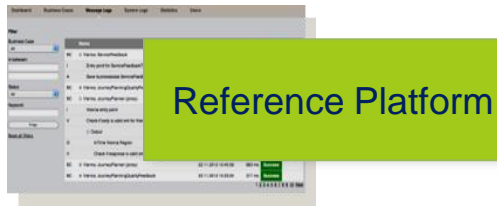


Co-Cities Components



Mobile apps

Developed by the Traffic Information Service Providers (TISPs), provides functionalities to the end user (information provision and cooperative functionalities). Connected to the local systems through the Co-Cities Commonly Agreed Interface (CAI)



Reference Platform

Common tool to monitor the communication between the TISP and the CAI. Provides enhanced trace/check/log capabilities for each Co-Cities business case.

Commonly Agreed Interface Local instances

Key components of the Co-Cities Service Oriented Architecture. Provides the standard communication interface for data exchange between local systems and TISPs (refers to standards such as DATEX II etc. for information and data provision)



Feedback processing Back-end Systems

Developed on a voluntary basis in all Sites. Provide access to feedback data sent to the local systems from the mobile apps.

Mobile Clients for Android / iOS

Developers:

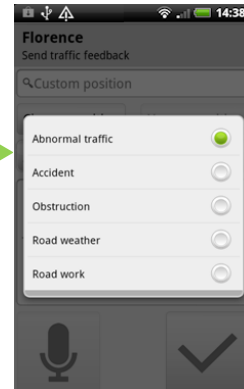
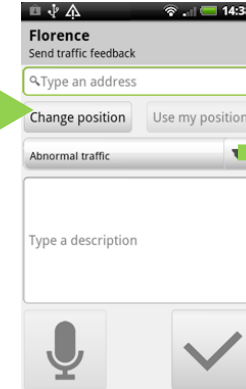
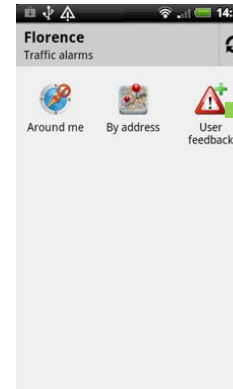
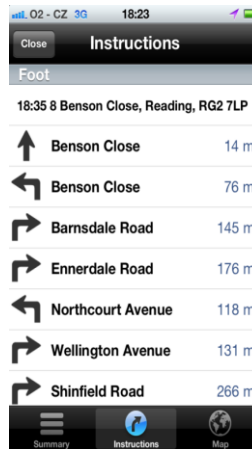
Softeco (Android, IOS app)

Telematix (iOS app)

Several other developers

Bilbao, Treviso

Bolzano,



Users Feedback
Functionality: e.g Florence

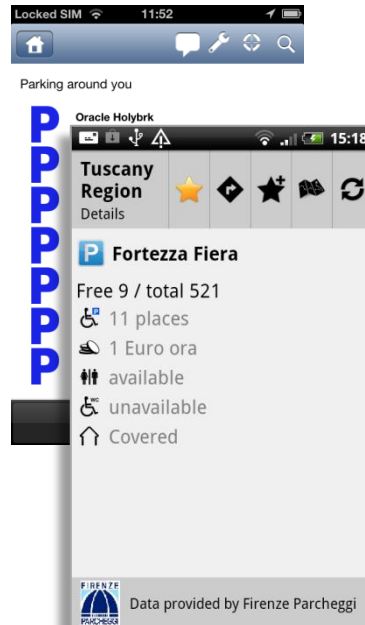
Journey
planner:
Walking
e.g Reading

Information provision services

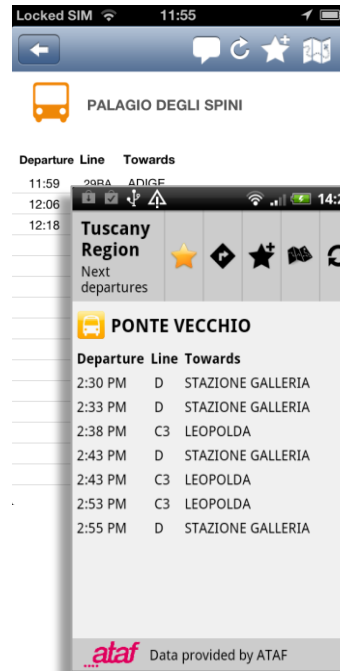
Traffic



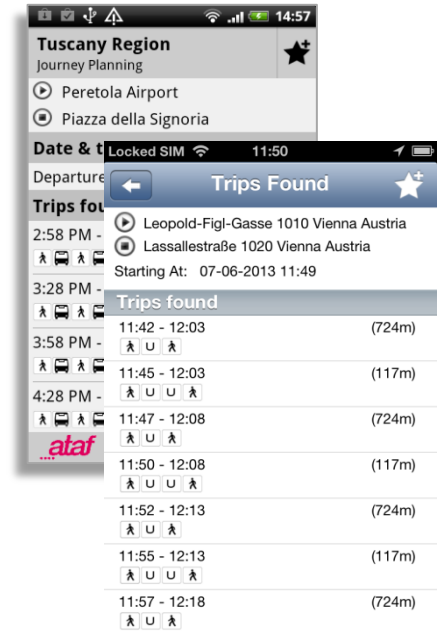
Parking



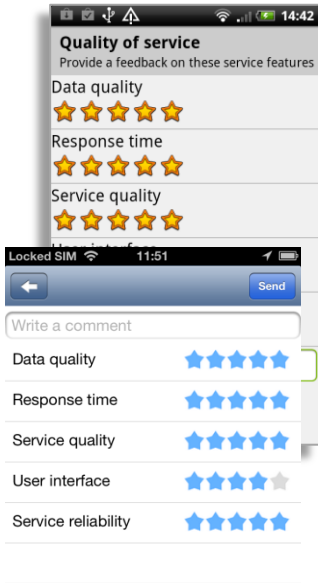
Public Transport



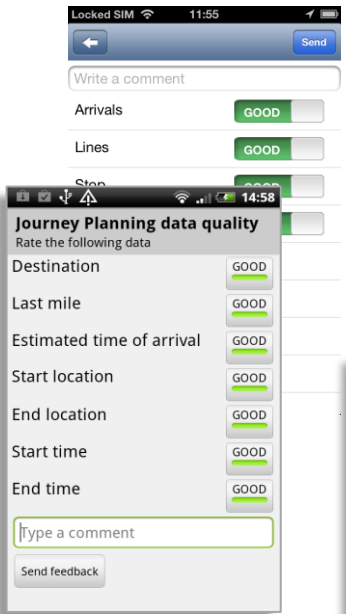
Journey Planning



Feedback services: overview

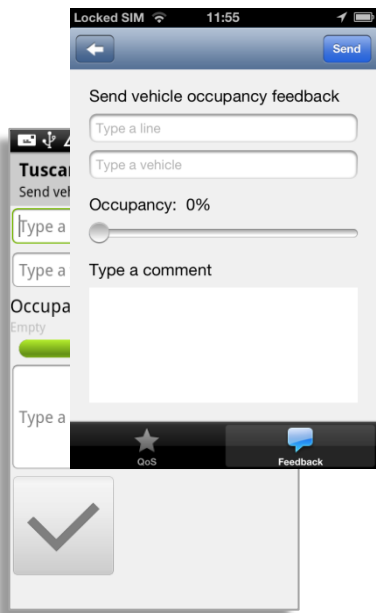


Quality of service

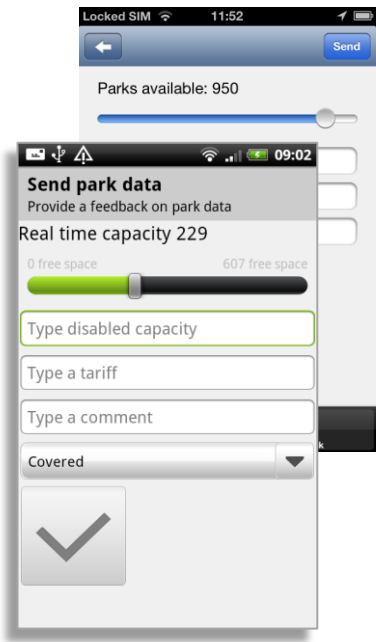
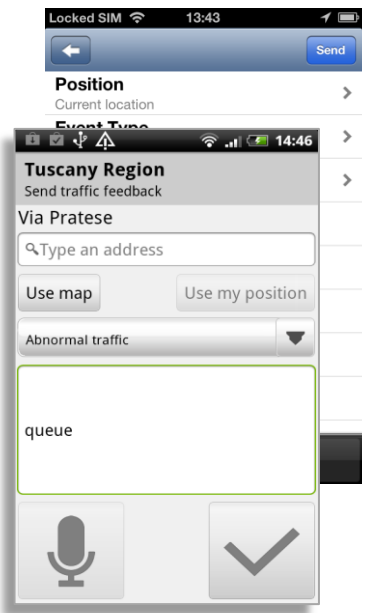


Quality of data

New data: Public Transport



Traffic



Parking

Workflow



info provision

user feedback generation

enhanced info provision

user feedback 'promotion'

user feedback processing

Co-Cities console

| Time | Location | Distance |
|------------------|---------------------------------------|----------|
| 22/03/2012 14:38 | Piazza Della Signoria 2, Florence, IT | |
| 22/03/2012 14:37 | Piazza Della Signoria 8, Florence, IT | |
| 22/03/2012 12:06 | Via Pulzone, Florence, IT | |
| 22/03/2012 11:16 | Borgo Stella, Florence, IT | |
| 22/03/2012 11:11 | SS66-SR66 Via Pisanesse, Florence, IT | |

Abnormal Traffic
Time: 14:38 22/03/2012
Location: Piazza Della Signoria 2, Florence, IT
Comment: Co-Cities demo
Generate Alarm

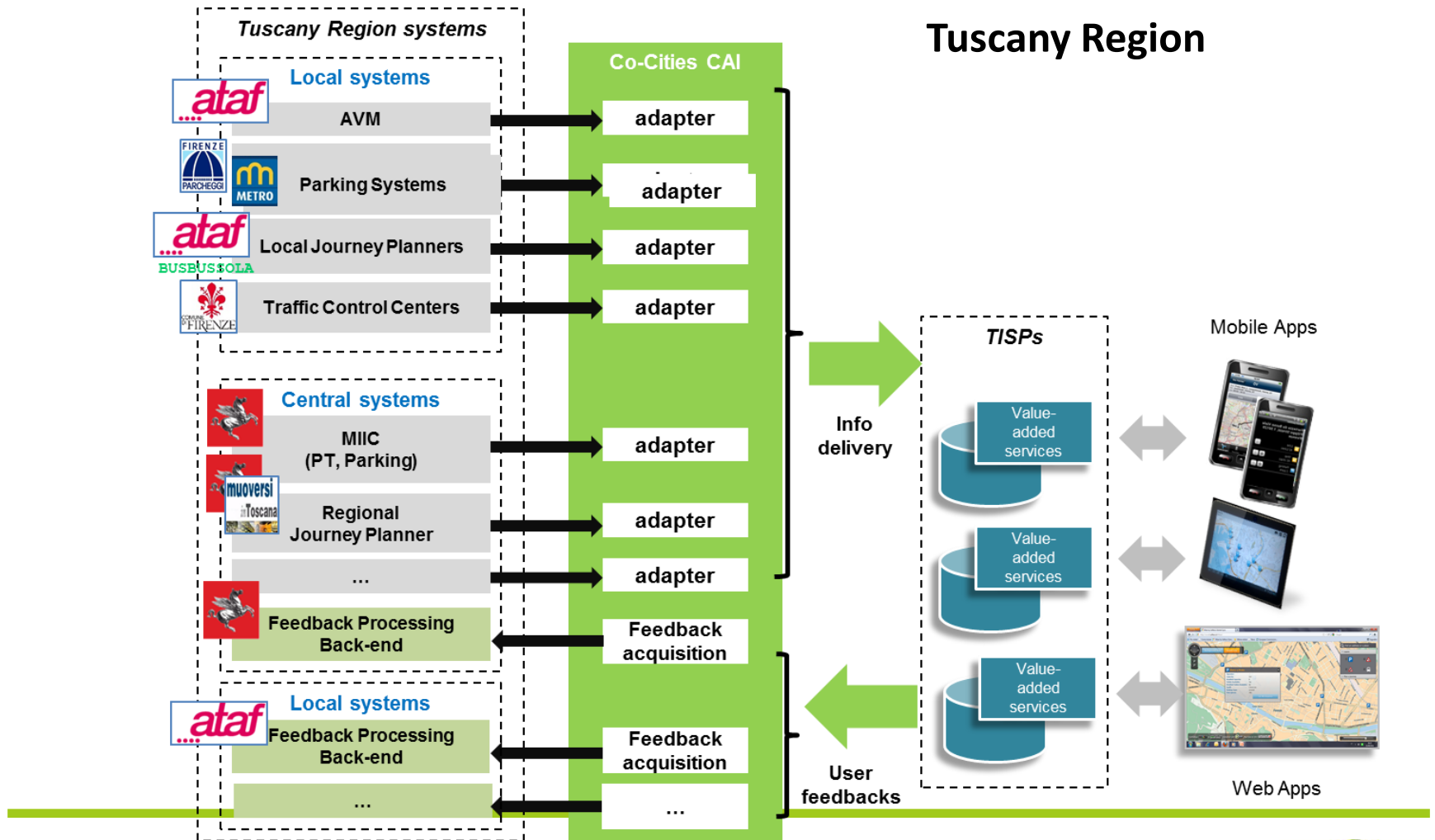
Similar Feedbacks
Time: 14:37 22/03/2012
Location: Piazza Della Signoria 8, Florence, IT
Latitude: 43.7654476
Longitude: 11.2555476
Comment: Co-Cities demo

Generate Alarm from Feedback
This is data regarding the traffic feedback you have selected:

| Time | Location | Distance |
|------------------|---------------------------------------|----------|
| 14:37 22/03/2012 | Piazza Della Signoria 8, Florence, IT | 33 |

Next

Implementation Example



Demonstrations in Cities and regions

CAI installed in all cities!

- **Bilbao – ESP**
- **Brno – CZE**
- **Reading – GBR**
- **Tuscany Region – IT**
- **Treviso – IT**
- **Vienna – AUT**
- **Additional installations in new cities!**
- **Bolzano, IT**
- **Madrid, ESP**



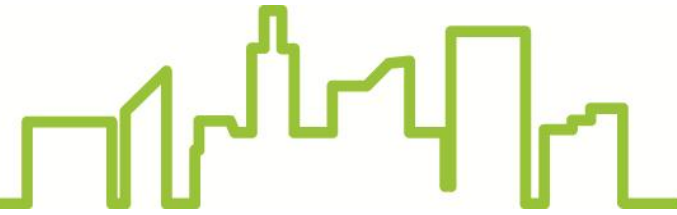
Lessons learned and experiences



Lessons learned

- Traffic information for travellers is changing fast (smart phones !!)
- Travellers request detailed and local information and it can be provided with Co-Cities
- Co-cities concept is confirmed and elements developed are stable and reliable – CAI
- CAI based on open source licence important for use
- Implementation of standards is confirmed
- Feedback channel works but usage is low
- Cooperation between cities and Service providers was key success factor
- Co-Cities Forum will continue this work in future

Co-Cities Forum



- Forum activity of partners with the same principle as in the project
 - => **Cooperation between cities/regions and TISP's**
- **Co-cities Forum:** partners are welcome to join the Forum
- Latest version of the CAI made available at www.co-cities.eu



Comune di Bolzano
Stadtgemeinde Bozen



Reading
BOROUGH COUNCIL



Madrid, Bolzano, Treviso, Vienna, Reading, Brno, Bilbao