Interconnecting and harmonizing of ITS mobility clouds

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TEAM mission: Turn static into elastic mobility by balancing needs.

Collaboration is the key concept. It extends the cooperative concept of vehicle-2-x systems to include interaction and participation.

Make travellers and drivers, vehicles and infrastructure act as a TEAM

• Adapting to each other
• Adapting to the situation
Collaborative applications

3 from 11 applications developed and tested in TEAM

**Collaborative eco-friendly navigation**
• merges all information (from road users, traffic data, infrastructure) to create collaborative eco-friendly routing and navigation

**Collaborative co-modal route planning**
• provides end-users with alternative routes and transportation modes based on their preferences

**Collaborative adaptive cruise control**
• adapts vehicle speed to optimize traffic, reducing velocity deviations and fuel consumption
Open Cloud Solution: LDM++

Diagram showing the integration of Cloud LDM++ with 3rd party cloud service, Data sources, Apps & Enablers, Horizon, GeoToolBox, MapMatching, Basic Routing, and Modified OSM Map.
Collaborative navigation I (CONAV and COPLAN)

Traffic managers are able to edit network features:
- Speed limits
- Road blockings

Information is pushed to cloud LDM++. The routing engine is a subscriber of the relevant channel. It considers the updated information.
Collaborative navigation II (CONAV and COPLAN)
Applications deployed to TEAM pilots sites

Berlin, Turin, Gothenburg, Tampere, Athens, Trikala, Trento

Standalone smartphone version in Athens

Vehicle-integrated version in Berlin
TEAM consortium

Automotive
- BMW GROUP Research and Technology
- CRF
- JAGUAR
- LAND-ROVER
- VOLVO

ICT
- COSMOTE
- DELPHI
- Intel
- HERE
- Intel Mobile Communications
- TELECOM ITALIA
- RE:Lab
- NXP
- NEC

Infrastructure
- TORINO
- info:trip
- RAMBOLL
- SWARCO MIZAR S.p.A.
- e-trikala
- SWARCO TRAFFIC SYSTEMS GMBH

Research
- Fraunhofer FOKUS
- CREATE-NET
- AIT
- DISI: ARTI:
- Fraunhofer IAO
- eTOS
- VIT
- NATIONAL UNIVERSITY OF IRELAND MAYNOOTH

Other
- EICT
Save the date!

Final Event
18-19 October 2016

TEAM evolves traditional mobility patterns to become elastic by joining all traffic participants and infrastructure operators together into one collaborative network.

Join us for demonstrations, conference and exhibition at EUREF Campus, Berlin, Germany

www.collaborative-team.eu
Thank you.

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Cloud LDM++ web access

Data in the TEAM cloud

- Road-side parking information
- Traffic flow information at all TEAM pilot sites (Athens, Berlin, Tampere, Turin, Gothenburg)
- Weather information from public Internet service and BMW
- Traffic light information
- Public transport schedules
- Roadworks
- …