Extract from the speech

Connected vehicle applications for safe and elastic mobility
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TEAM tomorrow elastic mobility

Collaboration integrates all people needs
TEAM project objectives

Create basic technologies
- Advance vehicle-2-x systems with LTE technologies
- Develop an automotive cloud-computing platform

Integrate infrastructure-centric technologies and algorithms
- Develop proactive infrastructure-centric algorithms
- Enable behavioural change taking into account real-time needs and constraints

Demonstrate distributed technologies and algorithms
- Develop proactive user-, community- and group-centric algorithms
- Realise massively distributed collaborative control and optimization concepts

Evaluate the European scope
- Conduct pan-European Euro-EcoChallenge to demonstrate and evaluate TEAM results
## TEAM innovation

**Build the elastic mobility management system**

<table>
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<tr>
<th><strong>Communication</strong></th>
<th>Converged communication channels</th>
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<tr>
<td><strong>Infrastructure</strong></td>
<td>Distributed sensing and “best effort” balancing of needs according to local policies</td>
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<tr>
<td><strong>Data</strong></td>
<td>Consolidated sensor input available in real-time</td>
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<tr>
<td><strong>Applications</strong></td>
<td>Novel collaborative applications interconnected through automotive cloud</td>
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<td><strong>Traveller/driver</strong></td>
<td>Active participation and collaboration</td>
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TEAM collaborative applications
infrastructure based

(1) Pro-active urban/inter-urban monitoring and ad-hoc control

(2) Co-modal route planning

(3) Co-modal coaching with support from virtual/avatar users

(4) smart intersection for intelligent priorities

(5) Public transport optimization

(6) Dynamic corridors
TEAM collaborative applications
vehicle based

(1) Collaborative adaptive cruise control

(2) Eco-friendly parking

(3) Collaborative driving and merging

(4) Green & safe driving: serious game and community building

(5) Eco-friendly navigation
TEAM Test Sites

**Germany** – Berlin
Co-modality on public transport system and urban traffic management

**Italy** – Turin and Trento Province
TEAM service continuity for drivers & travellers

**Sweden** – Gothenburg
Interurban applications and vehicle to vehicle communication

**Greece** – Athens and Trikala
All infrastructure based applications

**Finland** – Tampere and Helsinki
Vehicle & infrastructure based applications
TEAM Euro-Eco Challenge: Turin

- CMC: Collaborative urban monitoring and ad-hoc control
- CONAV: Collaborative eco-friendly navigation
- CCA: Co-modal coaching with support from virtual/avatar users
- EFP: Collaborative eco-friendly parking
- SG&CB: Serious game and community building
- CDM: Collaborative driving and merging
1. Plan a trip from starting point

Pre-trip

Comodal coaching
2. Navigate to destination

3. Pass green light
4. Safely tackle roundabouts

5. Check driving behaviour

roundabout advisor

Driving Behaviour Game
6. Park at destination

7. Check collaborative competition

Eco Friendly Parking

Stop

Snake and Ladders game