



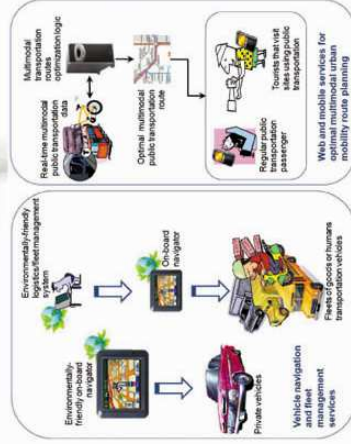
eCO-friendly urban Multi-modal route Planning Services for mobile users

Objectives

- Addresses the high environmental impact of urban mobility
- Introduces new concepts and establishes a methodological framework for route planning optimization
- Delivers a comprehensive set of tools and services for end-users to enable eco-awareness in urban multi-modal transport

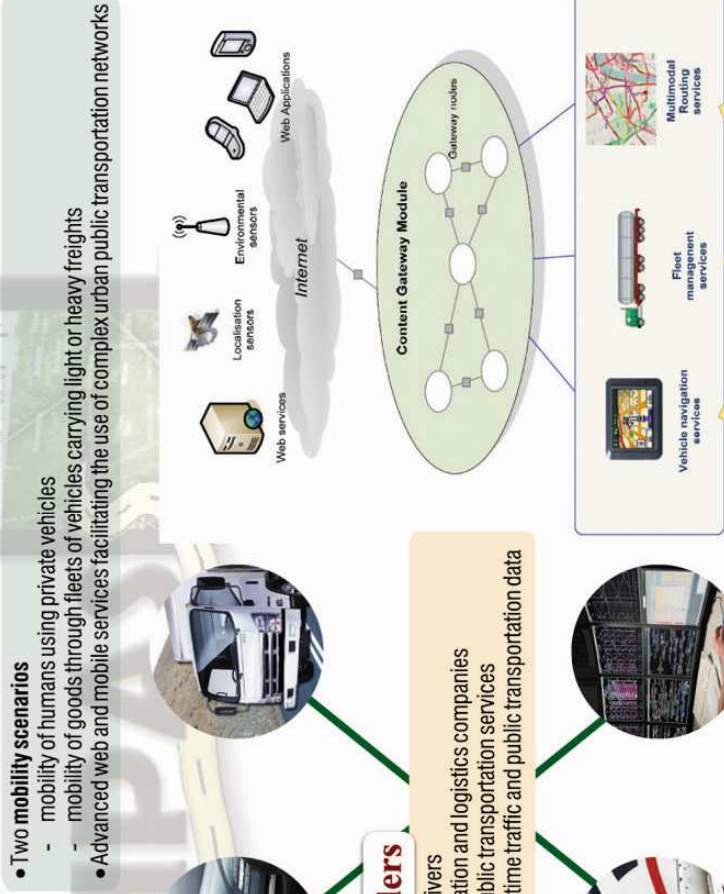
Approach

- eCOMPASS combines Eco-aware navigation and fleet management, supporting sustainable driving behavior and route planning through traffic prediction
- Context-aware personalized multi-modal public transportation services



Stakeholders

- Private vehicle drivers
- Freight transportation and logistics companies
- Passengers of public transportation services
- Providers of real-time traffic and public transportation data



Expected results

- A private vehicle navigation system seamlessly offering visualization and narration of recommended vehicle routes through familiar on-board navigation devices
- A truly eco-aware fleet/logistics management system towards automating the logistics management and route planning of vehicle fleets
- A multi-objective, multi-modal public transportation route planning service provided through web and mobile applications
- Solid algorithmic foundations for the proposed route planning services
- Evaluation methodologies and impact analysis based on the pilot tests
- Scientific publications, contributions to standardization bodies, and new transport-related services

Use Cases & Pilots

- Car drivers using private cars
- Freight vehicle drivers using a fleet of vehicles
- Citizens/tourists using public transportation

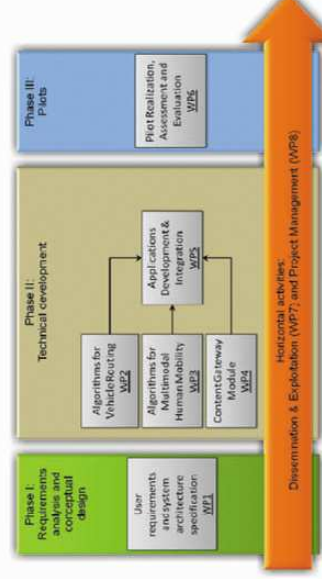
Partners

CITI University of Applied Sciences
 Press "Diofantus" (CITI)
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 Centre for Research & Technology (CERTH)
 TomTom International B.V. (TomTom)
 ETH Zürich Swiss Federal Institute of Technology (ETHZ)
 PTV GROUP the world of movement
 PTV Planning Transport Verkehr AG (PTV)

Project acronym: eCOMPASS
 Project type: Collaborative Project, Small or medium scale focused research project (STREP)
 Programme: 7th EU Framework Programme
 Funding: European Commission, Information Society and Media Directorate General, Unit G4-ICT for Transport
 Start date: 1 May 2011
 End date: 31 Oct 2014
 Project website: <http://www.ecompass-project.eu/>

Description of Work

- eCOMPASS runs for 36 months. The planning involves five main activities:
- User requirements and system architecture specification (M1-M12)
 - Design, development and assessment of routing optimization algorithms (M1-M36)
 - Development of Content Gateway Module enabling interoperability between the eCOMPASS external data sources (M1-M20)
 - Applications development and integration (M21-M28)
 - Pilots tests in the City of Berlin (M4-M36)



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