PROJECT

**COSMO**

Co-operative systems for sustainable mobility and energy efficiency

**Funding:** European

**Duration:** Nov 2010 - Jun 2013

**Status:** Complete

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**Objectives:**

COSMO is adopting a system-wide approach to the assessment of energy efficiency, measuring the effect of a range of innovative traffic management systems not only on fuel consumption and traffic emissions, but also the energy used to operate road-side equipment. The aim is to provide practical demonstration of the effectiveness of the systems and assess their impact in realistic conditions. The principal result will be a set of validated specifications covering their operational, technical, business and organisational characteristics.

**Methodology:**

The principal focus of COSMO is the area of environmentally sustainable traffic management. Experimentation will be carried out on:

- Environmentally sensitive traffic control strategies
- Eco-driving for private vehicle and for public transport
- Multimodal real-time information systems designed to maximize energy efficiency
- Advanced energy efficient technologies integrated in roadside equipment
- Dynamic City Access Management strategy
- Advanced Real-Time Congestion Management System

Testing will be done in three Pilot Sites.

COSMO will be installing and testing a range of cooperative applications in three Pilot Sites. These are located in: Salerno (Italy), Vienna (Austria), Gothenburg (Sweden). Each site will implement a different set of systems, but these are complementary as they all involve traffic or fleet management strategies which are integrated with leading edge technologies developed in the recent EC-funded research projects COOPERS, SAFESPOT and CVIS.

**Parent Programmes:**

[CIP - Competitiveness and Innovation Framework Programme](#)

**Institute type:** Public institution

**Institute name:** The European Investment Fund

**Funding type:** Public (EU)

**Other funding sources:** European Union funding

**Partners:**

- Mizar Automazione
- SWARCO FUTURIT Verkehrssignalsysteme
- ASFINAG Service
- KAPSCH TrafficCom
- Geo Solutions
- RTICO–ITS Europe
- Société pour le developpement de l'innovation dans les transports (SODIT)
- Università degli Studi di Salerno
- Centro Ricerche FIAT
- Volvo Technology
- Lindholmen Science Park
- TECNALIA-Transporte

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STRIA Roadmaps: Network and traffic management systems
Transport mode: Road transport
Transport sectors: Passenger transport, Freight transport
Transport policies: Decarbonisation, Digitalisation
Geo-spatial type: Other