

PROJECT

## MOBIS

# Personalized Mobility Services for Energy Efficiency and Security through Advanced Artificial Intelligence Techniques

**Funding:** European (7th RTD Framework Programme)

**Duration:** Oct 2012 - Oct 2015

**Status:** Complete

**Total project cost:** €4,877,624

**EU contribution:** €3,038,000



**Call for proposal:** FP7-ICT-2011-8

[CORDIS RCN : 105549](#)

### Objectives:

The main goal of MobiS is to create a new concept and solution of a federated, customised and intelligent mobility platform by applying novel Future Internet technologies and Artificial Intelligence methods that will monitor, model and manage the urban mobility complex network of people, objects, natural, social and business environment in real-time. MobiS federation and intelligence is based on the symbiotic relation between these stakeholders, innovative prediction and reasoning methods that are using learned multi-criteria function to provide more efficient, energy-aware and environmental friendly citizen mobility.

MobiS will be able to federate novel artificial intelligence services and traditional information platform services coming from the following sources: a) existing transport private or public service providers, b) ambient data, based on sensor infrastructures and c) social networking data.

### Methodology:

To achieve these challenging objectives, the project will develop MobiS federated platform, prediction/planning/reasoning services, multi-criteria decision function and, federated mobility-based services that correspond to the above mentioned information sources. Solutions will be tested in three pilots:

1. An inter-city mobility scenario in Sweden (Stockholm-Hudiksvall-Sundsvall), where an existing crowd-sourcing application will be used;
2. An intra-city scenario in Greece (Thessaloniki) combining a traffic information system and the crowd-sourcing application;
3. A country-wide (inter-city) mobility scenario in Slovenia with a social media application, and selected traffic information system already operated in various parts of the country and in the main cities.

The project has 32 months duration, is led by Insiel (IT), technically coordinated by ATOS (Spain) and will be implemented by a consortium of 9 partners from 6 different EU countries.

### Parent Programmes:

[FP7-ICT - Information and Communication Technologies](#)

**Institute type:** Public institution

**Institute name:** European Commission

**Funding type:** Public (EU)

### Lead Organisation:

**Cetim - Center For Technology And Innovation Management Gmbh**

**Address:**

WERNER VON HEISENBERG-WEG 39  
85577 NEUBIBERG  
Germany

**Organisation Website:**

<http://www.cetim.org>

**EU Contribution:** €210,646

**Partner Organisations:****Amzs Druzba Za Opravljanje Storitv Clanom Amd In Drugim Udelezencem V Cestnem Prometu Dd****Address:**

Dunajska Cesta 128 A  
1000 Ljubljana  
Slovenia

**EU Contribution:** €136,650

**Rise Acreo Ab****Address:**

Box 1070  
16425 Kista  
Sweden

**EU Contribution:** €226,448

**Institut Jozef Stefan****Address:**

Jamova  
1000 Ljubljana  
Slovenia

**Organisation Website:**

<http://www.ijs.si>

**EU Contribution:** €404,987

**Efarmoges Exypnou Logismikou Kykloforias & Metaforon Ae****Address:**

VRIOULON 78C KAI K. KARAMANLI 40 78C  
551 32 KALAMARIA-THESSALONIKI  
Greece

**Organisation Website:**

<http://www.infotrip.gr>

**EU Contribution:** €260,440

**Stichting Cetim - Center For Technology And Innovation Management****Address:**

Plantsoen 97  
2311 KL Leiden  
Netherlands

**EU Contribution:** €131,234

**Insiel - Informatica Per Il Sistema Degli Enti Locali S.p.a.****Address:**

Via San Francesco D'assisi 43  
34133 Trieste  
Italy

**EU Contribution:** €77,860

**Uninova-Instituto De Desenvolvimento De Novas Tecnologias-Associacao****Address:**

Campus Da Caparica Quinta Da Torre  
2829516 Caparica  
Portugal

**EU Contribution:** €347,126

**Atos Origin Sociedad Anonima Espanola****Address:**

CALLE ALBARRACIN 25  
28037 MADRID  
Spain

**EU Contribution:** €443,984

**Singularlogic Anonymi Etaireia Pliroforiakon Systimaton Kai Efarmogon Pliroforikis****Address:**

ACHAIAS 3 & TROIZINIAS  
14564 NEA KIFISIA  
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**Organisation Website:**

<http://www.singularlogic.eu>

**EU Contribution:** €353,925

**Novanda Gmbh****Address:**

DOM PEDRO STRASSE 1  
80637 MUNCHEN  
Germany

**EU Contribution:** €37,260

**Stockholms Universitet****Address:**

UNIVERSITETSVAGEN 10  
10691 STOCKHOLM  
Sweden

**Organisation Website:**

<http://www.su.se>

**EU Contribution:** €407,440

**Technologies:**

Information systems  
Sustainable urban mobility planning

**Development phase:** Research/Invention

**STRIA Roadmaps:** Network and traffic management systems, Smart mobility and services

**Transport mode:** Road transport

**Transport sectors:** Passenger transport

**Transport policies:** Decarbonisation

**Geo-spatial type:** Urban