

PROJECT

## **E-FRAME**

### **Extend Framework architecture for cooperative systems**

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

**Duration:** May 2008 - Nov 2011

**Status:** Complete with results

**Total project cost:** €1,307,998

**EU contribution:** €1,045,000



**Call for proposal:** FP7-ICT-2007-2

[CORDIS RCN : 87312](#)

#### **Background & policy context:**

E-FRAME is a Support Action project that provided support for the creation of inter-operable and scalable Cooperative Systems throughout the European Union. It provided a centre of knowledge that is commercially and politically neutral and which services everyone's long-term interests.

#### **Objectives:**

The project extended the European ITS Framework (FRAME) Architecture to include Cooperative Systems and showed how it can be used to develop and implement Cooperative Systems throughout Member States or regions and provide one-to-one advice and guidance to nations, regions and projects.

#### **Methodology:**

The project will start from the architecture work that has already been undertaken by the current Cooperative System integrated projects, and the combined set of User Needs that is currently being produced. The FRAME Architecture will then be extended to include the applications and services being considered by these integrated projects and thus provide a common language with which to describe them. This will be updated later with inputs from other Cooperative System projects. The project will then use the Extended FRAME Architecture to create Physical and Communication Viewpoints to show how these applications and services could be deployed in an ITS Architecture for Cooperative Systems. It will also show how sub-sets can be used to describe the integrated project Test Site demonstrators in a common manner.

Standards are needed to ensure compatibility and the ITS Architecture for Cooperative Systems are to be used to study the likely standardisation requirements and create a set of recommendations for the appropriate organisations. The project added to the existing guidance on using the FRAME Architecture by producing Deployment and Organisational Models for Cooperative Systems. It also provided a Help Desk, Seminars and Workshops to those national, regional, Euro-regional or EC projects that wished to know how to apply the Extended FRAME Architecture to develop their plans for Cooperative Systems.

#### **Parent Programmes:**

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

**Institute type:** Public institution

**Institute name:** European Commission

**Funding type:** Public (EU)

#### **Lead Organisation:**

**Peter Jesty Consulting Limited**

**Address:**

Warwick Lodge, Main Street, Towton  
Tadcaster  
LS24 9PB  
United Kingdom

**EU Contribution:** €266,294

**Partner Organisations:****Ministerie Van Verkeer En Waterstaat****Address:**

Zuidervagenplein 2  
8200 AA Lelystad  
Netherlands

**EU Contribution:** €0

**Ministerie Van Infrastructuur En Waterstaat****Address:**

RIJNSTRAAT 8  
2500 EX DEN HAAG  
Netherlands

**Organisation Website:**

<http://www.rijksoverheid.nl/ministeries/ienm>

**EU Contribution:** €60,990

**Siemens Industry Software Limited****Address:**

Faraday House Sir William Siemens Square  
Camberley  
GU16 8QD  
United Kingdom

**EU Contribution:** €304,249

**Austriatech - Gesellschaft Des Bundes Fur Technologiepolitische Massnahmen Gmbh****Address:**

RAIMUNDGASSE 1/6  
1020 WIEN  
Austria

**Organisation Website:**

<http://www.austriatech.at>

**EU Contribution:** €173,851

**Ceske Vysoke Uceni Technicke V Praze****Address:**

JUGOSLAVSKYCH PARTYZANU 1580/3  
160 00 PRAHA  
Czech Republic

**Organisation Website:**

<http://www.cvut.cz>

**EU Contribution:** €74,579

**Swarco Mizar Srl****Address:**

Via Nizza  
10126 Torino  
Italy

**Organisation Website:**

<http://www.miz.it>

**EU Contribution:** €111,494

**Centre D'etude Et De Recherche En Transports Urbains****Address:**

9 rue Juliette Récamier  
69456 LYON  
France

**Organisation Website:**

<http://www.certu.fr>

**EU Contribution:** €53,543

**Technologies:**

Freight transport technologies  
Collaborative logistics ecosystem

**Development phase:** Research/Invention

**Key Results:**

The E-Frame project:

- Extended the European intelligent transport system Framework (FRAME) Architecture to include Cooperative Systems;
- Showed how the Extended FRAME Architecture can be used to develop and implement Cooperative Systems in Member States, regions and projects;
- Provided advice on the capture of deployment and operational issues for a given ITS Architecture;
- Studied the standardisation issues for Cooperative Systems highlighted by given ITS Architectures and created a set of recommendations for the appropriate organisations;
- Organised Working Groups, Seminars and Workshops for all stakeholders to study the business cases and how to apply the Extended FRAME Architecture;
- Developed advice and guidance on using the Extended FRAME Architecture.

**Strategy targets**

Innovating for the future: technology and behaviour

Documents:

 [Factsheet \(Other project deliverable\)](#)

**STRIA Roadmaps:** Cooperative, connected and automated transport

**Transport mode:** Multimodal transport

**Transport sectors:** Passenger transport, Freight transport  
Societal/Economic issues,

**Transport policies:** Digitalisation

**Geo-spatial type:** Other