European Commission
Information Society and Media

E-FRAME

Extend FRAMEwork architecture for cooperative systems

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

At a Glance

Project
E-FRAME – Extend FRAMEwork architecture for cooperative systems

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Czech Technical University in Prague (CZ)
Centre d'Etudes sur les Réseaux, les Transports, l'Urbanisme et les constructions publique (CERTU) (FR)
MIZAR Automatizione S.p.A. (IT)

Start date
May 2008

Duration
3 years

Total cost
€1045k

Programme
ICT for Cooperative Systems

Project Website
www.frame-online.net
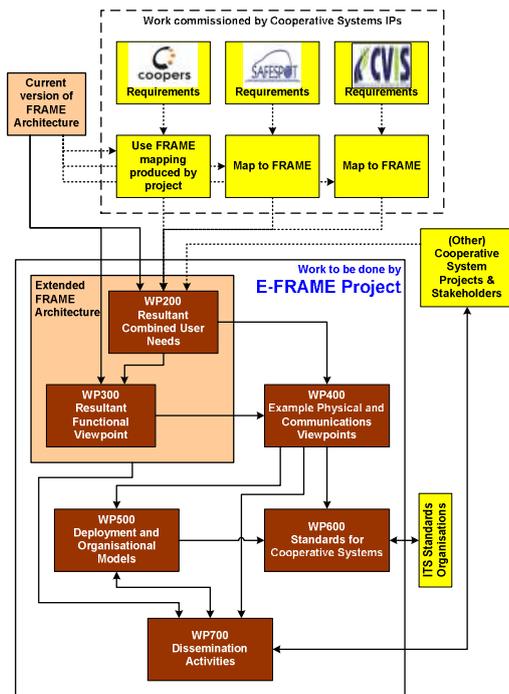(shared with the FRAME Forum)

Objectives

The principal objectives of the E-FRAME project are:

- To extend the European ITS Framework (FRAME) Architecture to include Cooperative Systems.
- To show how the Extended FRAME Architecture can be used to develop and implement Cooperative Systems in member states, regions and projects.
- To provide advice on the capture of deployment and operational issues for a given ITS Architecture.
- To study the standardisation issues for Cooperative Systems highlighted by given ITS Architectures, and to create a set of recommendations for the appropriate organisations.
- To organise Working Groups, Seminars and Workshops for all stakeholders to study the business cases for, and how to apply the Extended FRAME Architecture.
- To provide advice and guidance on using the Extended FRAME Architecture.

Extending the FRAME Architecture

The system requirements for the COOPERS, CVIS and SAFESPOT integrated projects have already been collated into a set of combined requirements in the format of the FRAME User Needs.

Relationship between the E-FRAME Project and other organisations

Once these combined requirements have been reviewed, the existing FRAME Architecture will be modified to create the Extended FRAME Architecture that includes the Cooperative System applications and services.

EXAMPLES

Examples will be created to show how the Extended FRAME Architecture can be used, and the benefits that can be provided for the implementation of ITS and Cooperative Systems.

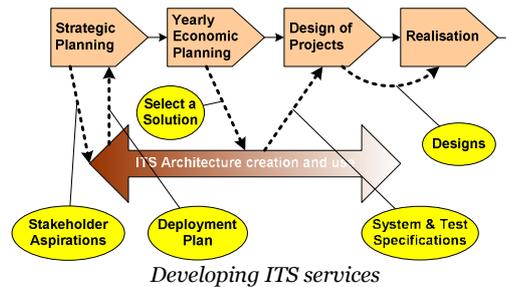# Deployment and Organisation Models

Starting from the above examples, advice on the management of deployment and organisational issues for Cooperative Systems will be created. The project will provide these in draft form for discussion at an E-FRAME conference to which both public authorities and industry representatives will be invited. The resulting version will be reviewed by national experts and then published on the FRAME web-site.

Standards

Standards are required to ensure compatibility between various Cooperative Systems components. Communication standards are not always sufficient to create fully functioning and interoperable systems; of equal importance are the data

that they use and the behaviour of the components at the ends of the communication links. The project will use the above examples as the starting point for the identification of many of the standards that are needed, and make recommendations for their development.

Dissemination
Support

Developing ITS services

Technical assistance in the use of the Extended FRAME Architecture is already available in the form of Seminars, targeted at decision makes, and Workshops for those who actually need to create their own architecture.

Any organisation wishing to have a Seminar or Workshop should contact the project coordinator.

Throughout the duration of the project a number of publications will be added to the FRAME website to provide further guidance on issues related to the use of an ITS Architecture.

Outreach

Discussions will be held with groups of Cooperative Systems stakeholders to identify their needs at the "application level", and to identify the required business cases. These discussions will normally be held in association with ITS conferences, or other events that they usually attend.

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