SERTI
Southern European Road Telematics Implementation

Funding: European
Duration: Jan 1997 - Dec 2006
Status: Complete with results

Background & policy context:
SERTI was one of seven Euro-Regional programmes initiated by the European Commission's Directorate General for Energy and Transport (DG-TREN) with the aim of improving the quality and continuity of services on the European road network. The current SERTI-MIP programme extended over the six-year period 2001-2006 and represented a total investment of EUR 160 million of which EUR 30 million is European funding. The 25 SERTI partners were implementing traffic management and user information services using Intelligent Transport Systems (ITS) to improve safety and comfort on the road corridors linking Germany, France, Spain, Italy, Switzerland and Andorra: 5000 km of motorways and main roads, 20 regions in 6 countries. The traffic comprises a considerable proportion of foreigners on the different national networks, with the following significant characteristics: periods of heavy migration, regular cross-border and considerable HGV (heavy goods vehicle) transit traffic. User information services, cross-border traffic management co-operations, data broadcasting, data exchange and traffic management equipment... Since 1997, considerable co-operation and co-ordination has been developed on both a national and European scale to improve safety and reduce congestion on the SERTI network.

Objectives:
In order to improve safety and comfort on the road corridors, the SERTI partners are implementing Intelligent Transport Systems, concentrating on three main aspects:

- User Information services via different media (Variable Message Signs, radio, RDS-TMC, Internet etc.);
- Development and co-ordination of traffic management plans;
- The improvement of the data collection systems and the traffic management centres.

While SERTI is mostly centred on deployment, this project profile focuses more on the research elements.

Methodology:
As with all seven Euro-Regional projects, SERTI is organised into Domains as follows:

- Domain 1: Road and Traffic Monitoring Infrastructure
- Domain 2: Traffic Centres and Data Exchange
- Domain 3: Traffic Management and Control
- Domain 4: Traveller Information Services.

There are two other domains that deal with Horizontal Activities (evaluation, system architecture, enforcement, etc.) and Project Management.

Parent Programmes:
MIP - MAP - Multi-annual Indicative Programme (MIP), Multi Annual Programme (MAP)

Institute type: Public institution
Institute name: European Commission, DG TREN (Energy and Transport)
Funding type: Public (EU)

Partners:
Partners:
- ADF Autostrada dei Fiori
- AMGA (ADM) Agencia de Mobilitat Govern at Andorra (AND)
- AREA Société des Autoroutes Rhône Alpes
- ASF Autoroutes du Sud de la France
- ASFA Association des Sociétés Françaises d'autoroutes et d'ouvrages à péage
- ASTM Autostrada Torino Milano
- ASTRA-OFROU Office Federal des Routes (CH)
- ATIVA Autostrada Torino Ivrea Valle d'Aosta
- ATMB Autoroute et Tunnel du Mont-Blanc
- CISA Autocamionale della Cisa
- DGT Dirección General de Tráfico (E)
- DSCR Ministère des Transports (F)
- ESCOTA Société des Autoroutes Estérel Côte d'Azur Provence Alpes
- MIT Ministero delle Infrastrutture e dei Trasporti (I)
- SALT Societa Autostrade Ligue Toscana
- APRR Autoroutes Paris Rhin Rhône
- SATAP Societa Autostrada Torino Alessandria Piacenza
- SCT Servicio Catalán de Transit
- SFTRF Société Française du Tunnel routier du Fréjus
- SITAF Società Italiana Traforo Autostrada del Frejus
- SITRASB Societa Italiana Treforo del Gran San Bernardo
- UVM Umwelt und Verkehr Ministérium Baden-Württemberg (D)

Organisation: Algoé
Address: 9 bis, route de Champagne
Zipcode: 69134
City: Ecully cedex
Contact country: France
Telephone: +33 472 18 13 20
Fax Number: +33 472 18 13 90

Key Results:
Achievements of the project include the deployment of RDS-TMC in Europe, which allows those users that have a suitable receiver to receive messages about incidents on the road network in their native language. The SERTI project has also led to the upgrade of data collection, organisation, data processing and dissemination. To this end a network of Datex nodes have been deployed throughout two-thirds of the regions to enable different traffic management systems to communicate with each other.
France, Germany, Spain and Italy have all developed projects for traffic management plans so that traffic authorities can act swiftly in cross-border situations, to date three cross-border Traffic management plans are operational.

STRIA Roadmaps: Network and traffic management systems
Transport mode: Road transport
Transport policies: Decarbonisation, Societal/Economic issues, Digitalisation