The objective of MITRA is to prototype a new operational system, based on regional responsibilities, for the electronic identification and monitoring of dangerous goods transportation in Europe. This concept, derived from the Air Traffic Control domain, aims at providing the Civil Security centres with the necessary information enabling intervention teams to react immediately and efficiently in case of an accident, with a maximum of safety.

The active participation of the end-users throughout the whole project duration will be a key feature of MITRA.

More Information: http://www.mitraproject.info

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Objectives

The objective of MITRA operational system is to provide the Civil Security centres with:

- a real-time knowledge of the position and contents of dangerous vehicles circulating in their responsibility area,
- warning and alert displays in case of dangerous situations: preventative measures
- crisis management information in case of an accident: associated risks, potential consequences, applicable regulations and protection measures

MITRA will entail cooperation between different European actors: Civil Security authorities, research organisations, industrial companies. The end-users will be actively involved in the project, from the user requirements collection phase until the deployment and validation campaign for operational feedback. They will also be involved in the different project reviews (To+ 4, 7, 16, 21).

Description of the work

The project will deliver (To+17) a prototype consisting of 3 User Monitoring Terminals, with the appropriate decision support software modules, together with a Risk-Knowledge platform, containing all information about dangerous goods and propagation models. Deployed in 3 major Civil Security centres (France, Germany and Spain) for field-trials and validation campaign, the system will be submitted to real-scale emergency scenarios.

This will enable MITRA to contribute to paving the way to the evolution of the European legislation in terms of dangerous goods transportation, through a long-haul dissemination campaign. A Web site will be established at project start for intensive dissemination towards user of countries not participating in MITRA. Two major workshops will be organised at To+4 (User Workshop) & To+22 (Final Dissemination Workshop).

Deploying MITRA in the regional Civil Security Centres in Europe is expected to save many lives among intervention forces and civil populations, improve the efficiency of the operations by at least 10%, and contribute to the improvement of the interoperability between regional Centres, based on INSPIRE interface requirements.

Participants:

- M3 SYSTEMS SARL FRANCE
- ADVANTEAM & PARTNERS SARL FRANCE
- CENTRO DE OBSERVACION Y TELEDETECCION ESPACIAL SA SPAIN
- CGX SYSTEMES SAS FRANCE
- DEIMOS SPACE SL SPAIN
- DEUTSCHES ZENTRUM FUER LUFT UND RAUMFAHRT EV GERMANY
- ASSOCIATION POUR LA RECHERCHE ET LE DEVELOPPEMENT DES METHODES ET PROCESSUS INDUSTRIELS FRANCE
- INGENIERIA DE SISTEMAS PARA LA DEFENSA DE ESPANA SA SPAIN
- INSTITUT NATIONAL DE L’ENVIRONNEMENT INDUSTRIEL ET DES RISQUES FRANCE
- ECOLE NATIONAL SUPERIEURE DES OFFICIERS DE SAPEURS POMPIERS – MINISTERE DE L’INTERIEUR FRANCE
- KAYSER-THREDE GMBH GERMANY
- MOVINGWORLD KG GERMANY
- TELEMATICA EK GERMANY
- UNIVERSITAT POLITECNICA DE CATALUNYA SPAIN

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