



Project Fact Sheet

TRIDEC: Collaborative, Complex and Critical Decision-Support in Evolving Crises

*Funded under 7th FWP (Seventh Framework Programme)
Action Line: ICT-2009.4.3 Intelligent Information Management*

Project Objectives

TRIDEC focuses on new technologies for real-time intelligent information management in collaborative, complex critical decision processes in earth management. Key challenge is the construction of a communication infrastructure of interoperable services through which intelligent management of dynamically increasing volumes and dimensionality of information and data is efficiently supported; where groups of decision makers collaborate and respond quickly in a decision-support environment.

The research and development objectives include the design and implementation of a robust and scalable service infrastructure supporting the integration and utilisation of existing resources with accelerated generation of large volume of data. These include sensor systems, geo-information repositories, simulation- and data-fusion-tools. A knowledge-based service framework is deployed for context information and intelligent information management with flexible orchestration of system resources. An adaptive framework for collaborative decision making is enabled with new functions for the support of complex business processes.

TRIDEC will be demonstrated within two scenarios. Both involve intelligent management of large volumes of data for critical decision-support. One concerns a large group of experts working collaboratively in crisis centres and government agencies using sensor networks.

Their goal is to make critical decisions and save lives, infrastructural and industrial facilities in evolving tsunami crises. The other concerns a large group of consulting engineers and financial analysts from energy companies working collaboratively in sub-surface drilling operations.

Their common objective is to monitor drilling operations in real-time using sensor networks, optimising drilling processes and critically detecting unusual trends of drilling systems functions. This prevents operational delays, financial losses, and environmental accidents and assures staff safety in drilling rigs.

Project facts:

Project Acronym: **TRIDEC**

Project Reference: **258723**

Start Date: **01.09.2010**

End Date: **31.08.2013**

Duration: **36 months**

Contract Type:

Collaborative project - IP

Project Cost: **8.9 million €**

Project Funding: **6.79 million €**

Project Website:

<http://www.tridec-online.eu>

Participants:



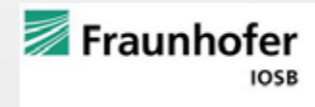
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