



Sixth Framework Programme



Home

You are here: [FP6 Home](#) > Find a Project

What is FP6?

**Project Fact Sheet**

FP6 step by step

Find a Call

**DESEREC**

Get support on FP6

Find a Partner

**Dependable security by enhanced reconfigurability**

Find a Document

**Action Line:** IST-2004-2.4.3 Towards a global dependability and security framework

Prepare &amp; submit a proposal-EPSS

**Project URL:** <http://www.deserec.org>

Project management

**Find a Project****Coordinator**

What's New?

**Contact Person:**

Name: COTTON, ANDRE

Tel: +33-1-46132216

Fax: +33-1-46132686

Email: [Contact](#)**Organisation:**THALES COMMUNICATIONS S.A.  
160 BOULEVARD DE VALMY BP 82  
92700 COLOMBES  
FRANCE**Activity Areas**

Most of European critical activities rely on networked Communication and Information Systems (CIS), highly interconnected. CIS performance could be jeopardized by incidents of various kinds.

A multi-disciplinary approach is compulsory to leverage their dependability by an alliance of three approaches:  
-Modelling and simulation: **DESEREC** devises and develops innovative approaches and tools to design, model, simulate, and plan critical infrastructures to dramatically improve their resilience.

-Detection: **DESEREC** integrates various detection mechanisms to ensure fast detection of severe incidents but also to detect complex ones, based on a combination of seemingly unrelated events, or on an abnormal behaviour.

-Response: **DESEREC** provides a framework for computer-aided counter-measures initiatives to respond in a quick and appropriate way to a large range of incidents to mitigate the threats to the dependability and rapidly thwarts the problem. CIS Re-configuration is the utmost mechanism for their survivability.

**DESEREC** will respond efficiently to the three families of incidents which can occur on a critical system: Attacks from the outside, Intrinsic failures and Misbehaviour or malicious internal use.

As incidents act with different time scales and impact levels, **DESEREC** includes three response loops working on 3 different answering times to provide a suited answer:

-A few seconds to locally respond to a severe and well-characterized incident and to launch emergency curative procedure to avoid escalation process or dramatic damage.

-Some minutes to detect very complex problem and to readjust the system (i.e. through computer aided reactions)

-Some hours to build a new configuration optimised to resist to a new situation and validated through modelling and simulation

**DESEREC** approach, framework, and tools apply to critical communication and information systems in order to improve their resilience and their dependability

**Project details****Project Reference:** 026600**Contract Type:** Integrated Project**Start Date:** 2006-01-01**End Date:** 2008-12-31**Duration:** 36 months**Project Status:** Execution**Project Cost:** 15.79 million euro**Project Funding:** 9.25 million euro

**Participant Organization:** SEARCH-LAB  
SECURITY EVALUATION ANALYSIS AND RESEARCH  
LABORATORY, LTD

**Country:** HUNGARY**Participant Organization:** EPT SAS**Country:** FRANCE**Participant Organization:** RENFE-OPERADORA**Country:** SPAIN

<b>Participant Organization:</b> AEM TORINO DISTRIBUZIONE S.P.A.	<b>Country:</b> ITALY
<b>Participant Organization:</b> COMMUNICATIONS RESEARCH CENTRE	<b>Country:</b> CANADA
<b>Participant Organization:</b> EADS DEFENSE AND SECURITY SYSTEMS SA	<b>Country:</b> FRANCE
<b>Participant Organization:</b> POLITECHNIKA WROCLAWSKA	<b>Country:</b> POLAND
<b>Participant Organization:</b> INTRACOM S.A. HELLENIC TELECOMMUNICATIONS AND ELECTRONICS INDUSTRY	<b>Country:</b> GREECE
<b>Participant Organization:</b> HELLENIC TELECOMMUNICATIONS ORGANIZATION S.A.	<b>Country:</b> GREECE
<b>Participant Organization:</b> SOLUCIONES GLOBALES INTERNET S.A.	<b>Country:</b> SPAIN
<b>Participant Organization:</b> BUDAPESTI MUSZAKI ES GAZDASAGTUDOMANYI EGYETEM	<b>Country:</b> HUNGARY
<b>Participant Organization:</b> UNIVERSIDAD DE MURCIA	<b>Country:</b> SPAIN
<b>Participant Organization:</b> GROUPE DES ECOLES DES TELECOMMUNICATIONS	<b>Country:</b> FRANCE
<b>Participant Organization:</b> TRUSTED LOGIC	<b>Country:</b> FRANCE
<b>Participant Organization:</b> CONSIGLIO NAZIONALE DELLE RICERCHE	<b>Country:</b> ITALY
<b>Participant Organization:</b> POLITECNICO DI TORINO	<b>Country:</b> ITALY
<b>Participant Organization:</b> NETHERLANDS ORGANISATION FOR APPLIED SCIENTIFIC RESEARCH - TNO	<b>Country:</b> NETHERLANDS
<b>Participant Organization:</b> INDUSTRIEANLAGEN- BETRIEBSGESELLSCHAFT MBH	<b>Country:</b> GERMANY

[Go back](#) -

CORDIS RTD-PROJECTS / © European Communities.

What is FP6? : FP6 step by step : Find a Call : Get Support : Find a Partner : Find a Document : Prepare & submit a proposal - EPSS : Project management : Find a Project : What's New?

[Top](#)

[CORDIS:](#)

[About](#)

[Help Desk](#)

[FAQ](#)

[@](#)

