EULER project

Bruno Calvet - THALES

15:30-15:45 Registration & refreshments
Euler general presentation
15:45-16:15 Euler dissemination
& standardization activities
16:15-16:45 End user involvement
16:45-18:00 Open discussion
EULER

European software defined radio for wireless in joint security operations

Project Details

Start Date: 2009-03-01    End Date: 2012-02-29    Duration: 36 months

Project Reference: 218133
Project Cost: 15.47 million euro
Programme Acronym: FP7-SECURITY
Subprogramme Area:
SEC-2007-4.2-04 Wireless communication for EU crisis management

Contract Type: Collaborative project
Project Funding: 8.72 million euro
Programme Type: 7th FWP (Seventh Framework Programme)
Project URL: www.euler-project.eu
EULER Overview

• The EULER-project will
  – propose a new high-data-rate waveform for emergency and security operation
    • Identify subset of 802.16e 2005 (Wimax)
  – Implement the SDR open business model
    • separation of roles between SDR platform providers and waveform providers
  – provide proof-of-concept waveform implementation and portability on several software defined radio platforms and
  – realize an integrated demonstrator targeted towards end-users.
EULER Final Demonstration

Command Center
Telemedicine
Video
Communications

WiMAX COTS

EULER WiMAX Backbone

sdr1

sdr2

sdr3

TETRA COTS

Telemedicine Video Communications

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EULER Partners

- THALES Communications (FR)
  - Project coordinator
- FinMeccanica (IT)
  - Selex-Communications
  - Telespazio
  - Elsag Datamat
- EADS (Fr, UK)
  - EADS Secure networks
  - Astrium - UK
- Indra (SP)
- SAAB Communications (Swe)
- Elektrobit (FI)
- Rohde & Schwarz (GE)

- SMEs
  - Prismtech (UK)

- Research centers
  - JRC (EU)
  - TNO (NL)
  - IMEC (BE)

- Universities labs
  - University of Pisa (IT)
  - Center for Wireless comms (FI)
  - University of Budapest (HU)
  - Supélec-Rennes (Fr)
Project structure

WP1: Project Management

WP2: End-users involvement

WP3: Systems architecture

WP5: SRD waveforms and related components

WP6: Integrated demonstrator setup

WP7: Demonstration

WP8: Dissemination and standardisation

WP4: SDR standard and platforms

End-users requirements gathering, needs harmonisation
## EULER End Users workshop participants

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<tr>
<th>SURNAME</th>
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<td>SYMEONIDIS</td>
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<td>EC – DG JRC</td>
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<td>DOPICO LÓPEZ</td>
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<td>HANS</td>
<td>Vts Politie NL</td>
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Objectives

• One EULER specific objective is to approach in a systematic way the End Users community, to identify, federate and where possible harmonise operational needs and End Users requirements.

• We need End Users support!
  – www.euler-project.eu