EURIDICE - European Inter-Disciplinary Research on Intelligent Cargo for Efficient, Safe and Environment-friendly Logistics

PROJECT PRESENTATION

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Project Scope and Vision

“In five years time, most of the goods flowing through European freight corridors will be ‘intelligent’, i.e.: self-aware, context-aware and connected through a global telecommunication network to support a wide range of information services for logistic operators, industrial users and public authorities.”

• **Inter-Disciplinary** research on **Intelligent Cargo**

• a paradigm shift in logistics: making the cargo itself an active part of the information flow by using technologies

• To bring about this change, different disciplines must be involved: various branches of ICT, logistics, economics and business modelling.
Project Goals

Strategic and global impact

Technology solutions, integration, intelligence services

Organisational models, knowledge, rules, standards

Business models, implications to society and environment

Business

Environment

Society

Government

Research and Academia
Cargo Intelligence

External data: weather, traffic, environment,...

Global intelligence (global context)

Data: Status, position, Info: Alerts, anomalies

Context

Local intelligence (self aware, local context)

Machine learning, data mining, reasoning

Knowledge discovery

Background knowledge - formalised and understandable by machines

Decision support

- Deep analysis
- Alerting
- Anomaly detection
- Event prediction
- Trend detection

Knowledge discovery
Project Structure and Objectives

P0 Program Management, Coordination, Performance Monitoring

P1 Intelligent Cargo Integration Framework
- Framework Architecture (WP11)
- Domain Knowledge (WP12)
- Cargo Intelligence (WP13)
- Services Authoring, Orchestraion (WP14)

- Obj 1.1 Network infrastructure for intelligent cargo
- Obj 1.2 Fixed and mobile web services infrastructure
- Obj 1.3 "On the fly" combination of services for cargo/context interaction
- Obj 1.4 Distributed and centralized analysis, prediction and detection
- Obj 1.5 Interoperability platform for intelligent cargo users

P2 Pilot Applications
- Industry/Distribution applications (WP23)
- Intermodal transport (WP24)
- Logistic Operators (WP25)
- Authorities and Infrastructures (WP26)

P3 Impact Creation
- Business Modelling (WP31)
- Training (WP32)
- Dissemination and Outreach (WP33)
- Exploitation (WP34)

- Obj 2.1 More flexible and efficient supply chains
- Obj 2.2 More efficient, transparent and cost-effective intermodal transport
- Obj 3.1 Public-private partnership models for intelligent cargo infrastructure
- Obj 3.2 More secure and environment friendly transport chains
Basic Project Data

- Project title: EURIDICE - European Inter-Disciplinary Research on Intelligent Cargo for Efficient, Safe and Environment-friendly Logistics
- Challenge: ICT-2007.6.1 ICT for the intelligent vehicles and mobility services

- FP7-ICT-2007-1 - Large-scale integrating project
- Duration: 3 years - 01.02.2008 - 31.01.2011
- Workload: 1588 MM of work = 132 MY
- Budget: € 14.083.781, € 8.248.853 EC contribution
- 22 partners from 9 EU countries
EURIDICE training in videolectures.net

EURIDICE (European Inter-Disciplinary Research on Intelligent Cargo for Efficient, Safe and Environment-Friendly Logistics) Instantiated Project - KICK OFF Meeting

158 events, 2538 authors, 2901 lectures, 4132 videos

3000 video visits/day

Collaboration:
MIT
CMU
Cambridge
Oxford
ULJ
...

http://videolectures.net/
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