



Grupo de  
Redes,  
Sistemas y  
Servicios  
Telemáticos

**SEMINARIO GRSST**  
*Área de Ingeniería Telemática*

# FP7 215225

(a.k.a. MOMENT)

Dr. Daniel Morató



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¿ FP7 ?

# FP7

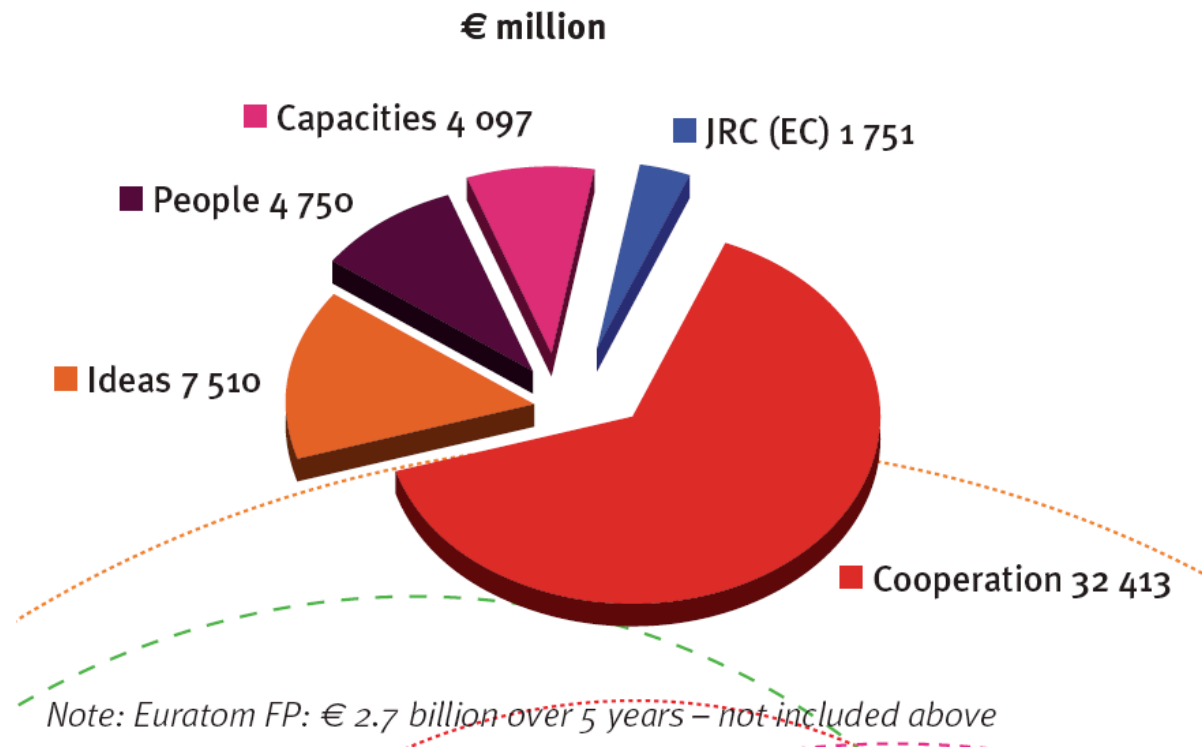
- EU 7<sup>th</sup> Framework Programme for Research and Technological Development (7<sup>o</sup> Programa Marco de la UE)
- Principal instrumento de financiación de proyectos de Investigación, Desarrollo Tecnológico y Demostración de la UE para 2007-2013
- Presupuesto del Programa: 50.521 M€
- Las actividades financiadas deben tener un “European added value”

[http://cordis.europa.eu/fp7/home\\_en.html](http://cordis.europa.eu/fp7/home_en.html)



# Specific Programmes

- *Cooperation* (proyectos en consorcio, 32.400M€)
- *Ideas* (“frontier research” on the basis of scientific excellence)
- *People* (Marie Curie)
- *Capacities*
- *Nuclear Research*





# Funding Schemes

- *Collaborative projects (CP)*
  - Large-scale Integrating Project (IP)
    - 10-20 participantes
    - 4 - 25 M€
    - 36-60 meses
  - Small and medium-scale focused research project (STREP)
    - 6-15 participantes
    - 1 - 4 M€
    - 18-36 meses
- *Networks of excellence (NoE)*
- *Coordination and support actions (CSA)*
- *Individual projects*
- *Support for training and career development of researchers*
- *Research for the benefit of specific groups*



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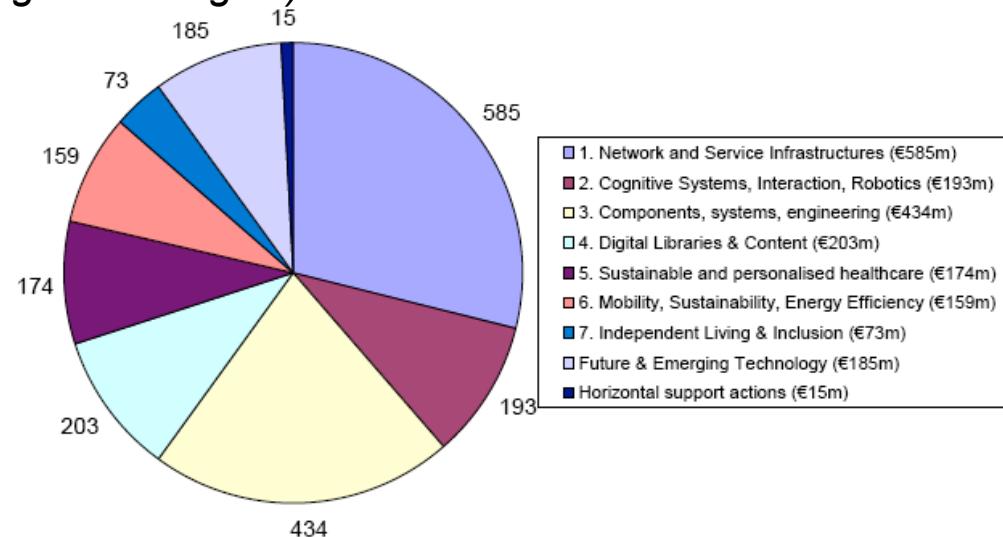
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# Programmes

- “Programmes” → “Work Programmes” anualmente
- “Work Programmes” incluyen “Calls for Proposals”
- Una “Call” cubre areas específicas de investigación

# FP7-ICT Work Programme

- *Information & Communication Technologies*
- 2007-2008: 2.000 M€
- “Challenges”:
  1. *Pervasive and trusted network and service infrastructures*
  2. *Cognitive systems, interaction and robotics*
  3. *Components, systems and engineering*
  4. *Ditigal libraries and content*
  5. *Sustainable and personalised healthcare*
  6. *Mobility, environmental sustainability and energy efficiency*
  7. *Independent living and inclusion*
- *(Future and emerging technologies)*





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# FP7-ICT-2007.1 (challenge 1)

- *Pervasive and Trusted Network and Service Infrastructures*
- *Objectives*
  1. *The network of the future*
  2. *Services and software architectures, infrastructures and engineering*
  3. *ICT in support of the networked enterprise*
  4. *Secure, dependable and trusted infrastructures*
  5. *Networked media*





# FP7-ICT-2007-1 (Call 1)

- Publicación 22 de Diciembre de 2006
- 1.019 M€
- Incluye el ICT-2007.1.1
  - *Challenge 1: Pervasive and Trusted Network and Service Infrastructures*
  - *Objective 1: The network of the future*
  - *Funding schemes: CP, NoE y CSA*



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# MOMENT



# MOMENT

- “Monitoring and Measurement in the Next Generation Technologies - MOMENT”
- *Collaborative Project*
- STREP
- Grant Agreement No. 215225
- 11 partners
- Inicio 1 de Enero de 2008
- 30 meses (fin Junio 2010)
- 2,8M€



# Consortium

- SME
  - Telscom AG  
(Co-ordinator)
- Industry
  - Ericsson AB
- Network Operator
  - Telefónica I+D
- Research Institutes
  - Salzburg Research
  - FORTH-ICS
  - Collegium Budapest
  - CNIT
  - SICS
- Universities
  - University of Madrid
  - Public University of Navarra
  - Tel Aviv University
  - CAIDA, University of California, San Diego (sub-contract)
- Countries:  
Austria, Greece, Hungary, Israel, Italy, Spain, Sweden, Switzerland, United States

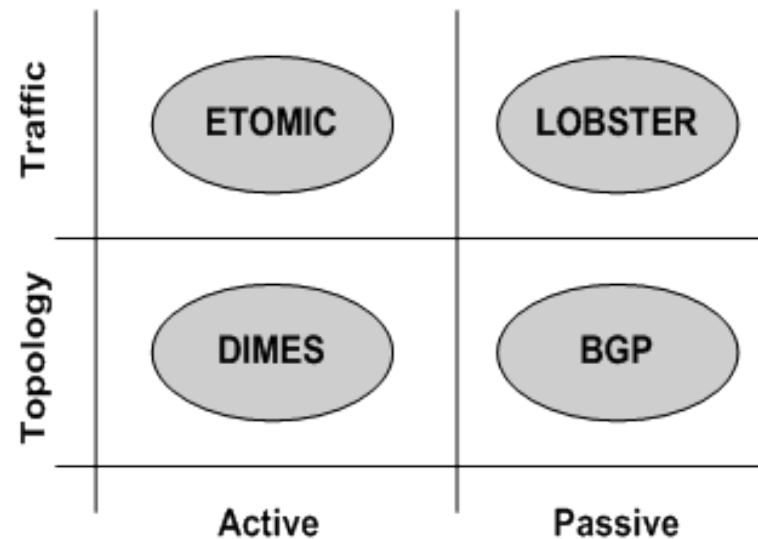


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# Project Overview

# Rationale: FP6 Project Results

- Existing Measurement Infrastructures
  - e.g. LOBSTER, ETOMIC, DIMES
- Existing Monitoring / Measurement Tools
  - e.g. BART, RIS, Appmon, Stager, ABW, MRT
- Existing Meta-repositories
  - e.g. MOME, DATCAT

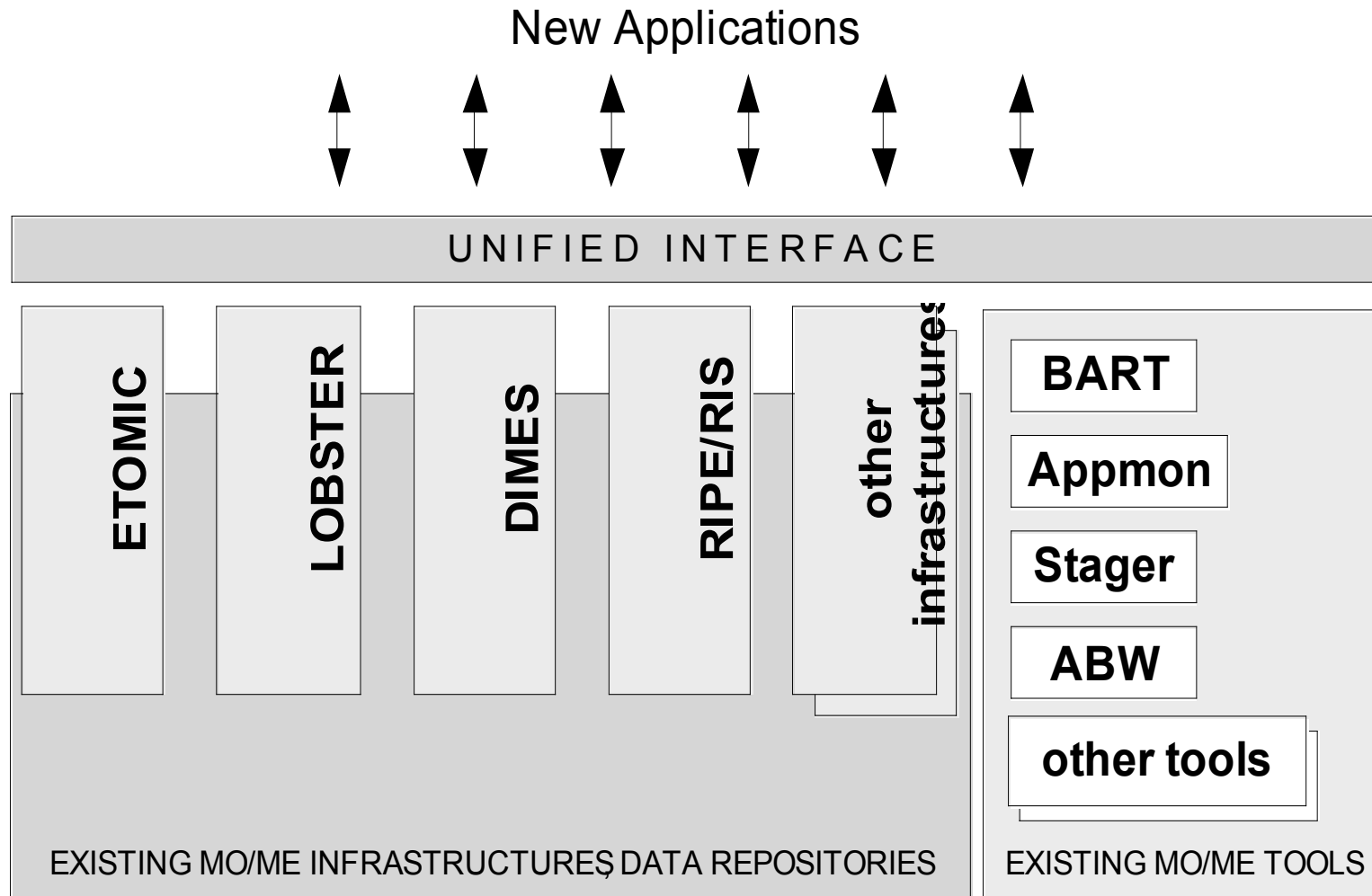




# Objectives & Innovation

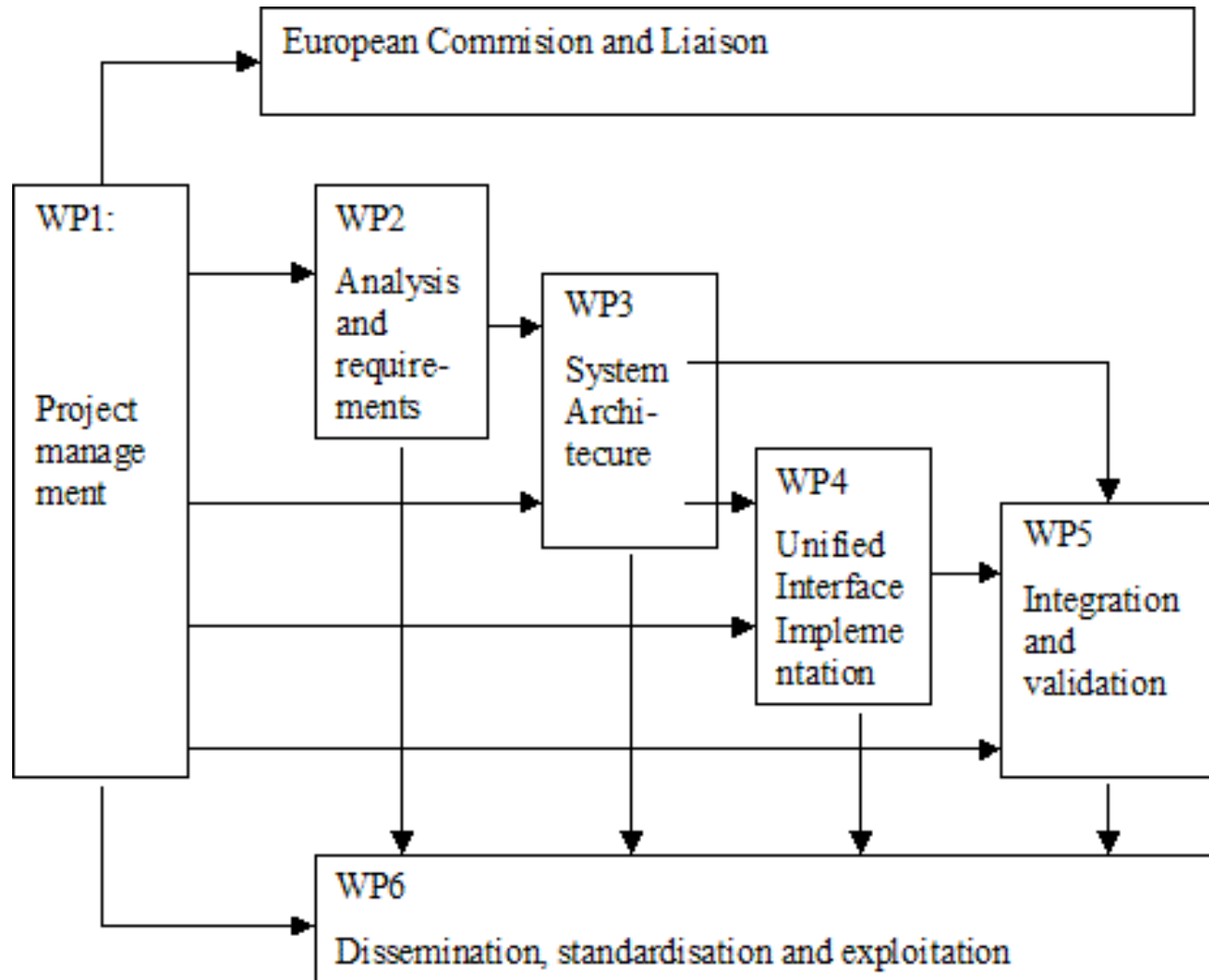
- Main objective
  - Design and implement a **mediator architecture** offering a unified interface for Measurement and Monitoring services
  - Common Web services Interface and ontology based semantic data representation
- Main innovation
  - Use of a measurement-specific **ontology** to allow semantic queries
  - Harmonized interface across different existing infrastructures and data sets
  - Access to measurement data to researchers

# Basic Approach





# Project Structure





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# Work Packages

- WP1 – Project Management (Telscom)
- WP2 – Analysis and Requirements (UAM)
- WP3 – System Architecture (CB)
- WP4 – Unified Interface Implementation (SICS)
- WP5 – Integration and Validation (SRFG)
- WP6 – Dissemination, Standardisation and Exploitation (TID)



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# Milestones/Success criteria

- Mid 2008: Milestone M1
  - System Requirements (month 6)
- End 2008: Milestone M2
  - System Architecture Specification (month 12)
- Mid 2009: Milestone M3
  - System Implementation (month 18)
- End 2009: Milestone M4
  - System Launch (month 24)
- Mid 2010: Milestone M5
  - Project Finalisation – Validated results (month 30)



# Impact

- Integration of major Monitoring and Measurement projects
  - Improved design of Network of the Future
  - Unified interface standards for measurement data
- Introducing semantic data format for data representation and retrieval of measured data to provide flexibility of a service oriented architecture (SOA)
- Improving the privacy preservation- trust in the net
- Improving network robustness
- New applications built on diverse measurement data of heterogeneous networks
- International standards



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# MOMENT Kick-off @ UAM

