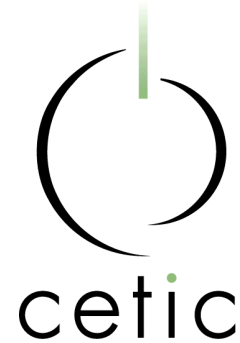


Centre d'Excellence en Technologies de l'Information et de la Communication



Your connection to
ICT research

Thematic Session 1

Networked embedded and control systems



Damien HUBAUX

June 2007



Plan

- Introduction: CETIC
- Sub-challenge 3.7: State-of-the-art & related EU policies
- **Best practice: FP6 project presentation - OLDES**
- Discussion, Q&A





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Best practice: FP6 project presentation



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June 2007



FP6 IST Call6

- “FP6 IST budget tail”
- New priorities
 - 2.6.2: Ambient Assisted Living (AAL) for the Ageing Society
- Illustrate the link with the application domain (enforced in FP7)
- Real world application
- Impact on society



Fact sheet



- Old people's e-services at home
- www.oldes.eu
- FP6 IST Project - Objective 2.6.2
 - “Assisted Ambient Living for the Aging Society”
- STREP
- Start: January 2007
- Duration 36 months
- Consortium: 11 partners
- Coordinator: ENEA
- Cost: 3647843€, Funding: 2500000€
- Attached to: Directorate H: ICT addressing Societal Challenges - H.1: ICT for Health

Ambient Assisted Living

- Highly innovative ICT-based solutions that are cost-effective, reliable and user-friendly for assisted living taking into account design for all principles when applicable
 - 1. Integration of advanced ICTs into working prototypes for assisted living
 - 2. Development of AAL systems reference architectures allowing for seamless integration of required devices, sub-systems and services into cost-effective reliable and trusted solutions



OLDES: idea

- Develop a **digital companion** for elderly persons
 - Develop **entertainment** services for elderly persons
 - **Thematic Channel** Discussion System
 - Information Channels
 - Develop eHealth services to monitor patient health at home
 - Based on **interactive** entertainment services
 - Communicating medical devices
 - Intelligent Decision Support System



Success criteria?

- IST Call6 was very competitive!
- Meet the call objective
 - Multidisciplinary
 - User centred
 - Cost effective
 - Beyond state of the art
 - Readability of these aspects in the proposal
- Consortium:
 - Finalised at the infoday on AAL
 - Basis: coordinator + 1 end-user + 1 public body + 1 university
 - Multidisciplinary (Health care, Medical, Social, Technical)
 - Coordinator
 - Experienced
 - Critical mass
 - End users
 - Know the domain & challenges



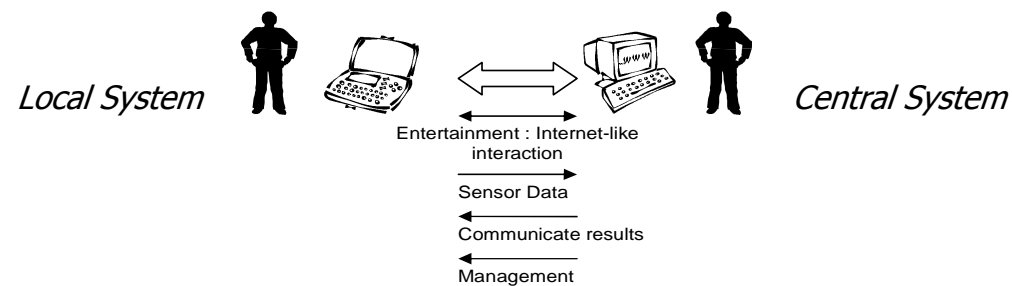
Proposal risks?

- Time for building a proposal
 - 3 months from infoday to deadline
- Multidisciplinary
 - Not the same language & constrains
- Need for physical meeting & telcos

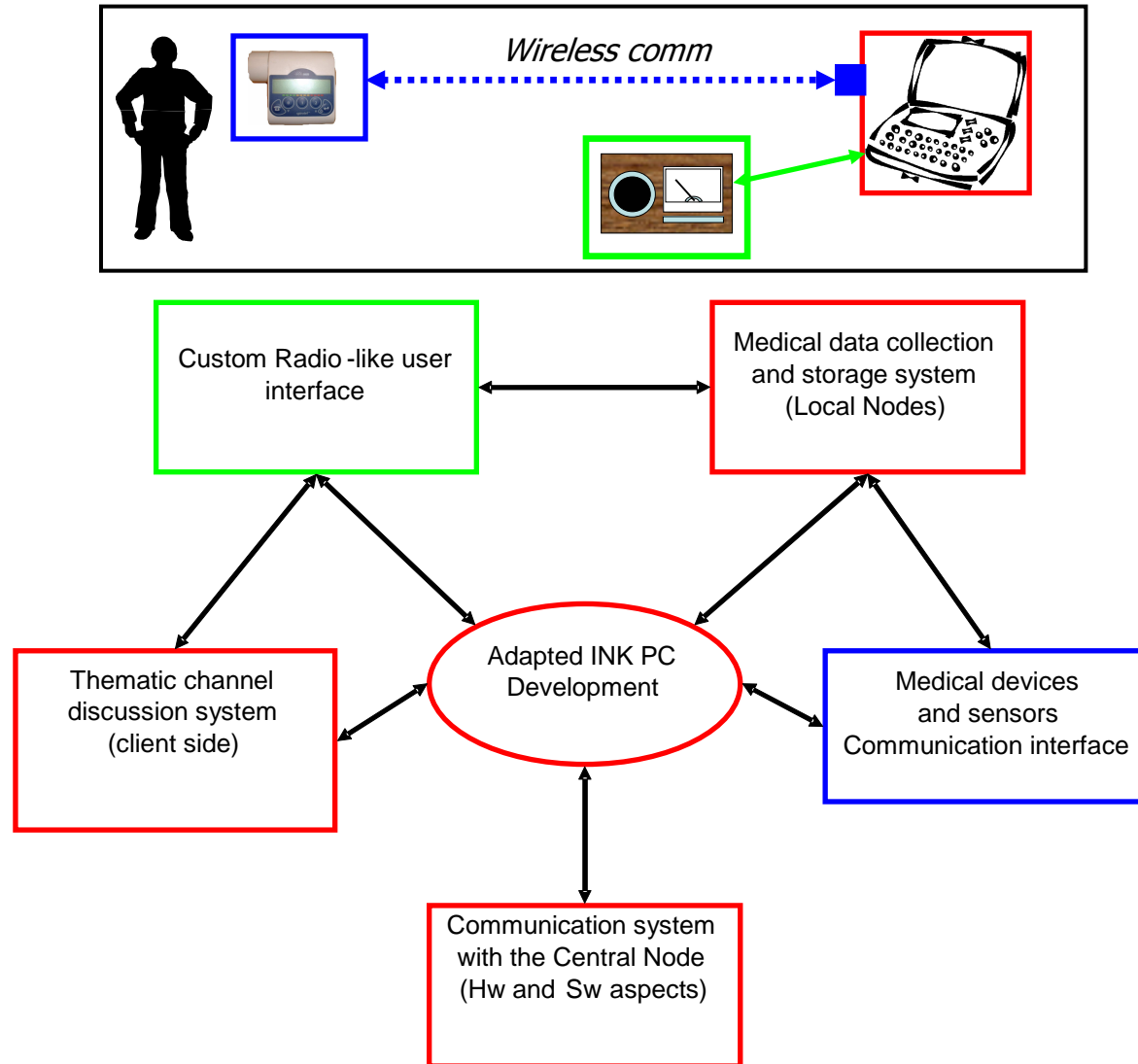


OLDES Local (Embedded) system

- CETIC leader of platform development
 - Challenges
 - Security – confidentiality - privacy
 - Adapted / adaptable / simplified user interface
 - Re-configurability (remote)
 - Cost (TCO)
 - Large scale network – VOIP bandwidth
 - Robustness (no moving parts – ROM based)



OLDES Local (Embedded) system



FP: Project as a virtual collaborative enterprise

- Works like a virtual collaborative enterprise
 - Management
 - Coordination
 - Focus on short & long term results
 - Accounting
 - Dissemination (not only papers)

http://en.wikipedia.org/wiki/Virtual_enterprise



FP: General aspects

- Be well organised
- Be prepared for administrative aspects
- Necessary implication from project management
 - Coordinator drive/commit the consortium to do the same
- Follow the plan
 - Do not allow delay
 - especially from the very beginning
- The Kick-Off is the most important meeting
- Keep in touch with your PO



FP General aspects

- Virtual collaborative enterprise
 - Travels (plan efficient meetings)
 - Teleconferences
 - Collaborative workspace
 - Systematic internal review
 - Need responsiveness
- Example: FP6 IST BEinGRID
 - IP: 75 partners
 - Budget: 24,780,691.9€, funding: 15,700,000€
 - Average effort: 65 people working full time for 42 months

