

FP7 OFFICE

**PROMETEO**

Unidad de Innovación Internacional

**PROYECTOS FP7 EN CURSO**

Noviembre 2007

# Proyectos en el FP7

## ■ Title: Ubiquitous Care System to Support Independent Living

- CONFIDENCE
- STREP – ICT Call – Challenge 7.1 “ICT & Ageing”
- 36 months
- Budget: 4.7 M€
- January 2008

## ■ Main Objective:

- Development and integration of innovative technologies to develop a care system for the detection of abnormal events (such as falls) or unexpected behaviours that may be related to a health problem in elderly people

## ■ Innovation

- Nowadays, most of the care systems in the market are limited to detect falls. The innovation of CONFIDENCE is that it will not only detect falls, but also identify short and long term unexpected behaviours that could indicate health problems

## ■ Profits

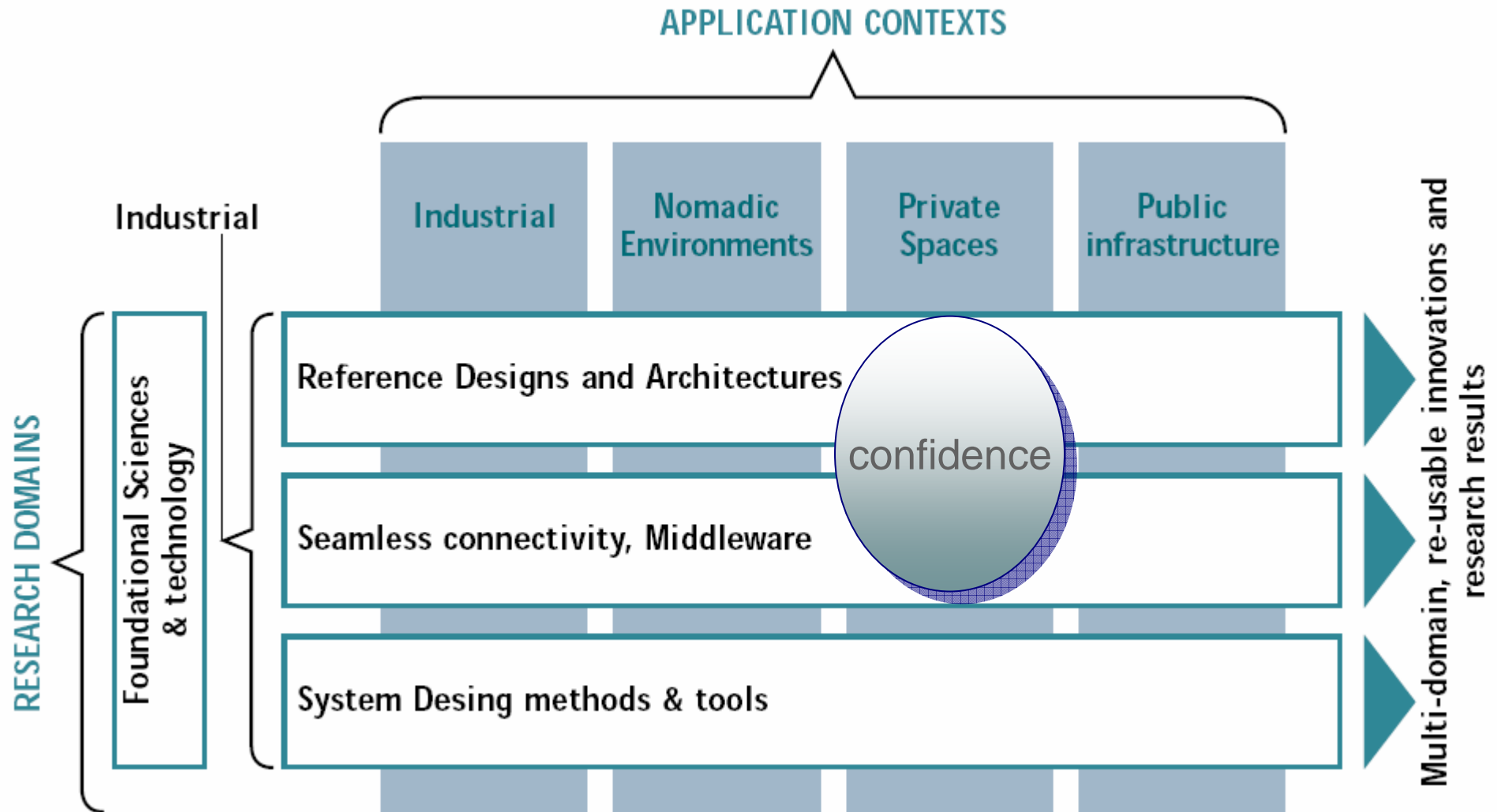
- The elderly will gain confidence and independence.
- CONFIDENCE will be a cost effective, non-intrusive and reliable system that will increase the quality of life and security of the elderly and, thus, prolong their personal autonomy and participation in society.
- Families and caregivers: the burden on them will be substantially reduced.
- Decrease the need of institutionalization of the elderly

## ■ The proposed system

- It will work both outdoors and indoors.
- Information about the user's situation, together with some environment information, will be analysed to decide whether to trigger an alarm.
- The system will be easy to setup and to use and will not constrain the user's daily life.
- The user will keep control of the system and can customise the alarm protocol.
- In case of an abnormal situation such as a fall or an accident, CONFIDENCE will permit a rapid actuation of the health services, which will decrease the negative consequences of the accident (worsening of injuries, psychological impact of being alone and injured, etc...)

# Proyectos en el FP7

## ■ Embedded Systems





## ■ Common Research Priorities

- Seamless Connectivity and Middleware
  - Programming
  - Organization & Deployment
  - Global Connectivity
  - Security
- Reference Designs and Architectures
  - Composability
  - Networking and Security
  - Robustness
  - Integrated Resource Management



# Proyectos en el FP7

## ■ Multidisciplinary research

- The end-users will be involved in the RTD activities by co-defining the specifications, monitoring and testing the project. This early user involvement will contribute to meet the user's requirements and will increase the acceptability of the final system.

## ■ Consortium

- España: CEIT (project coordinator - RES), IKERLAN (WP leader- RES)
- Alemania: Fraunhofer Institute for Integrated Circuits (WP leader - RES)
- Eslovenia: Jozef Stefan Institute (WP leader - RES)
- Finlandia: University of Jyväskylä (UNIV)
- Suecia: Municipality of Umeå (GOV)
- Italia: Cooss Marche (WP leader -ONG), CUP 2000 (WP leader - IND)
- Grecia: ZENON S.A. Robotics & Informatics (WP leader - SME)
- Francia: eDevice (SME)