



COGKNOW

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Helping people with mild dementia navigate their day

The COGKNOW Day Navigator

An evaluation of the first research cycle

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The COGKNOW project

- COGKNOW is a three year research- and development project within the EU-IST. September 2006 – August 2009
- Partners from nine different European countries and a total budget of 2.1 million Euros.
- Aiming at developing an user-validated cognitive prosthetic device with associated services for people with early stage dementia and their carers



The design of the project

- Three iterations involving needs assessments, technical development and evaluation .
Carried out by companies and research teams.
- A combined team from the Luleå Technical University, Sweden and the Norwegian Centre for Telemedicine, Norway
- A team from the University of Ulster, Belfast, UK
- A team from the VU University medical centre, Amsterdam, The Netherlands
- A team from the Telematica Instituut, Enschede, The Netherlands



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What is new about the COGKNOW project?

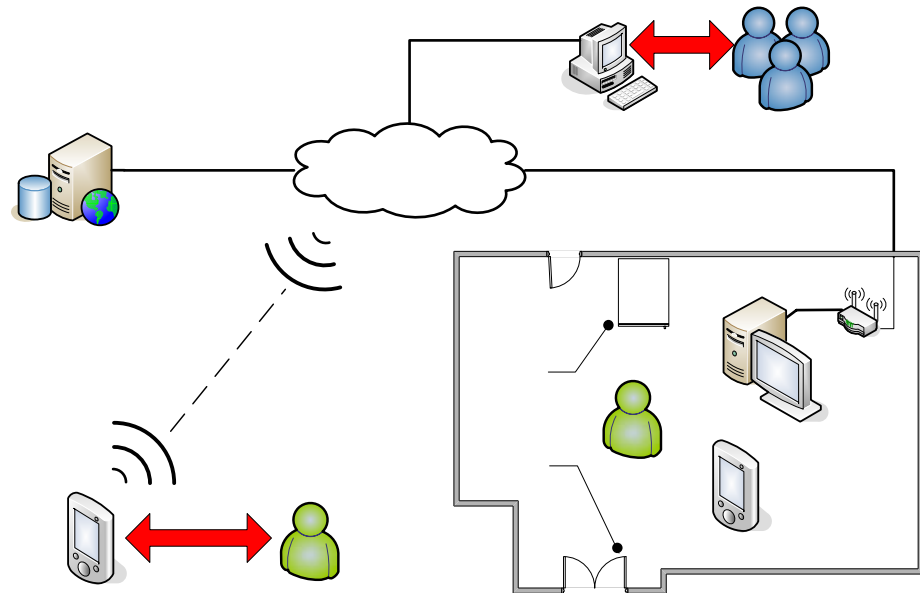
- Build on state of the art of technical development and knowledge on the needs of persons with mild dementia
- Aiming at developing an integrated, mobile and remotely configurable system





Integrated system supporting important functions

- Support for communication
- Security
- Daily activities
- Support of memory





The first test cycle 2006 -2007

- Focused on an user centric approach involving the person with dementia
- Assessing needs
- Technical development based on functional requirements
- Evaluation of usefulness and user friendliness of the first prototype



Methodology of evaluation test #1

- 17 persons with mild dementia and their carers (34)
In three sites, Luleå, Amsterdam and Belfast
- Triangulation of semi-structured interviews and observations
- Test period from one to six days



What did we learn?

The basic concept of the interaction
With the touch screen worked well

Messages should be conveyed with an
combination of text, voice and pictures

The possibility of personalizing functions
and interactions was important to develop

The mobile device needs to have a simplified
Interaction design





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Thank you for your attention