



Title	COMCARE : COMMUNITY-BASED ACTIVITY MONITORING SERVICE FOR THE ELDERLY
Author(s)	Jaakkola, Elisa
Citation	フィンランド-日本 共同シンポジウムシリーズ : 北方圏の環境研究に関するシンポジウム2012(Joint Finnish-Japanese Symposium Series Northern Environmental Research Symposium 2012). 2012年9月10日-14日. オウル大学、オウランカ研究所, フィンランド.
Issue Date	2012-09-10
Doc URL	<a href="http://hdl.handle.net/2115/51367">http://hdl.handle.net/2115/51367</a>
Type	conference presentation
File Information	04_ElisaJaakkola.pdf



[Instructions for use](#)

 **COMCARE**

COMMUNITY-BASED ACTIVITY MONITORING  
SERVICE FOR THE ELDERLY

# NIMO

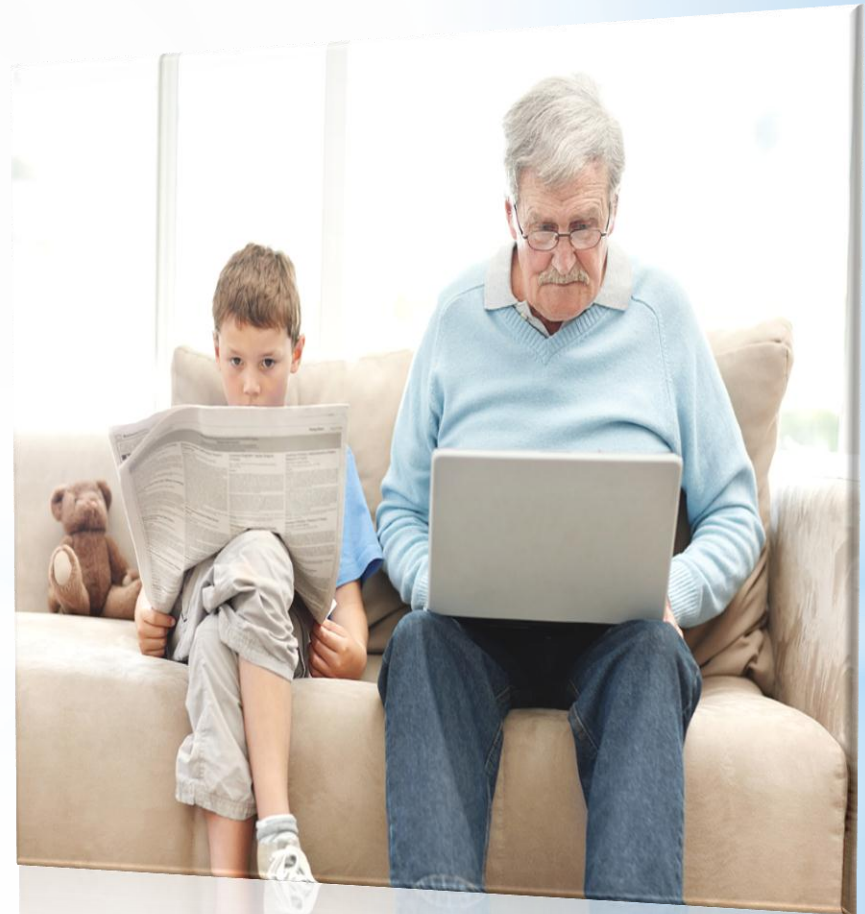
- Nordic Interaction and Mobility Research Platform

- \* EU Interreg project
- \* Researchers from
  - Luleå University of Technology
  - University of Oulu
  - University of Lapland, Rovaniemi
- \* Aim to create a strong Nordic platform for developing mobile and interactive services



## \* Background

- \* a community-based activity monitoring service that aims to improve
  - \* safety
  - \* social support
  - \* engage generations
- \* a lightweight activity monitoring system that combines
  - \* daily basis communication
  - \* sensor technology
- \* The main difference compared to existing social media services is *a context sensitive data delivery*
- \* User has **full control** over sent data and monitoring systems

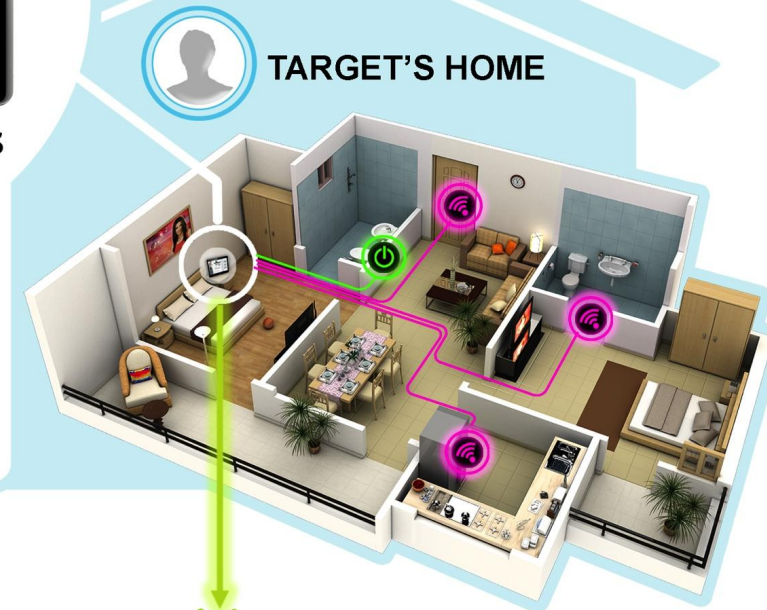


\* **The Comcare is..**



## COMCARE UPDATES

-  On/Off Switch for the whole system
-  Sensor updates
-  Update made by the Target
-  Update made by the Circle member



SERVER



RELATIVES



ACQUAINTANCES



PROFESSIONALS

\*The Comcare service

# \* COMCARE COMMUNITY

\* The Comcare community is composed of

## 1) the Target

-> subject of care and wellbeing monitoring (e.g. aged person)



TARGET'S HOME



## 2) Three circles:

- Relatives

(e.g. family and close friends)

- Acquaintances

(e.g. neighbors or volunteers support staff)

- Professionals

(e.g. home care or health care personnel)

**RELATIVES**



**ACQUAINTANCES**



**PROFESSIONALS**



# \* COMCARE APPLICATION



- \* At home the Comcare application runs on Android tablet
- \* It delivers status updates via server to the community
  - > Makes all the information visible for the Target (*full control*)

RELATIVES

ACQUAINTANCES

PROFESSIONALS

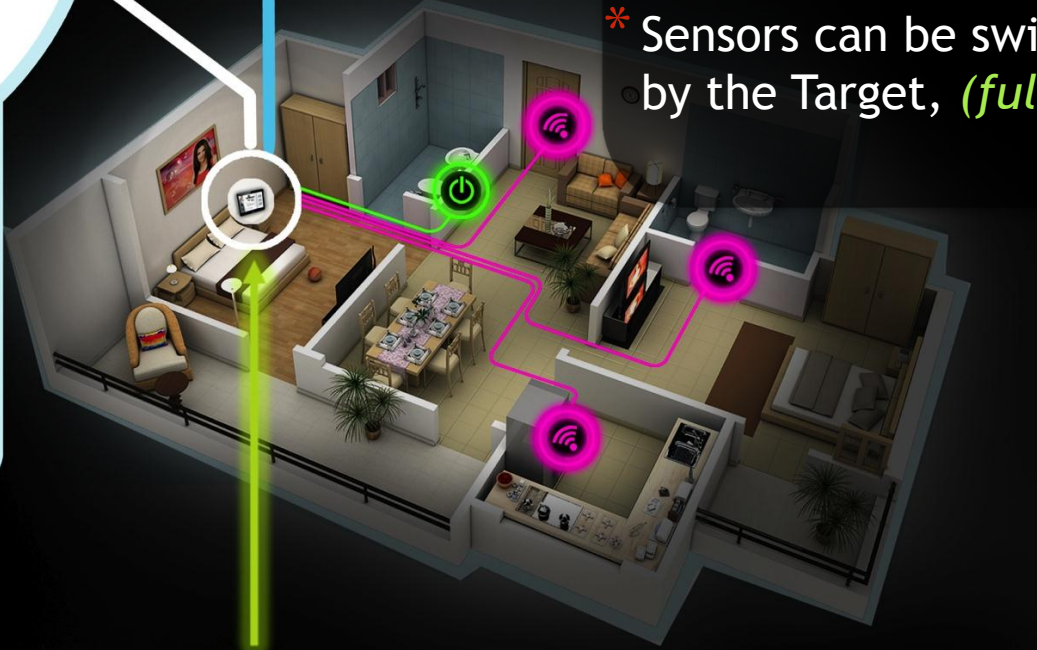
# \* STATUS UPDATES

- \* Updates comes from the target, circle members or sensors
- \* Sensors can be switch off at any time by the Target, *(full control)*



## COMCARE UPDATES

-  On/Off Switch for the whole system
-  Sensor updates
-  Update made by the Target
-  Update made by the Circle member



RELATIVES

ACQUAINTANCES

PROFESSIONALS

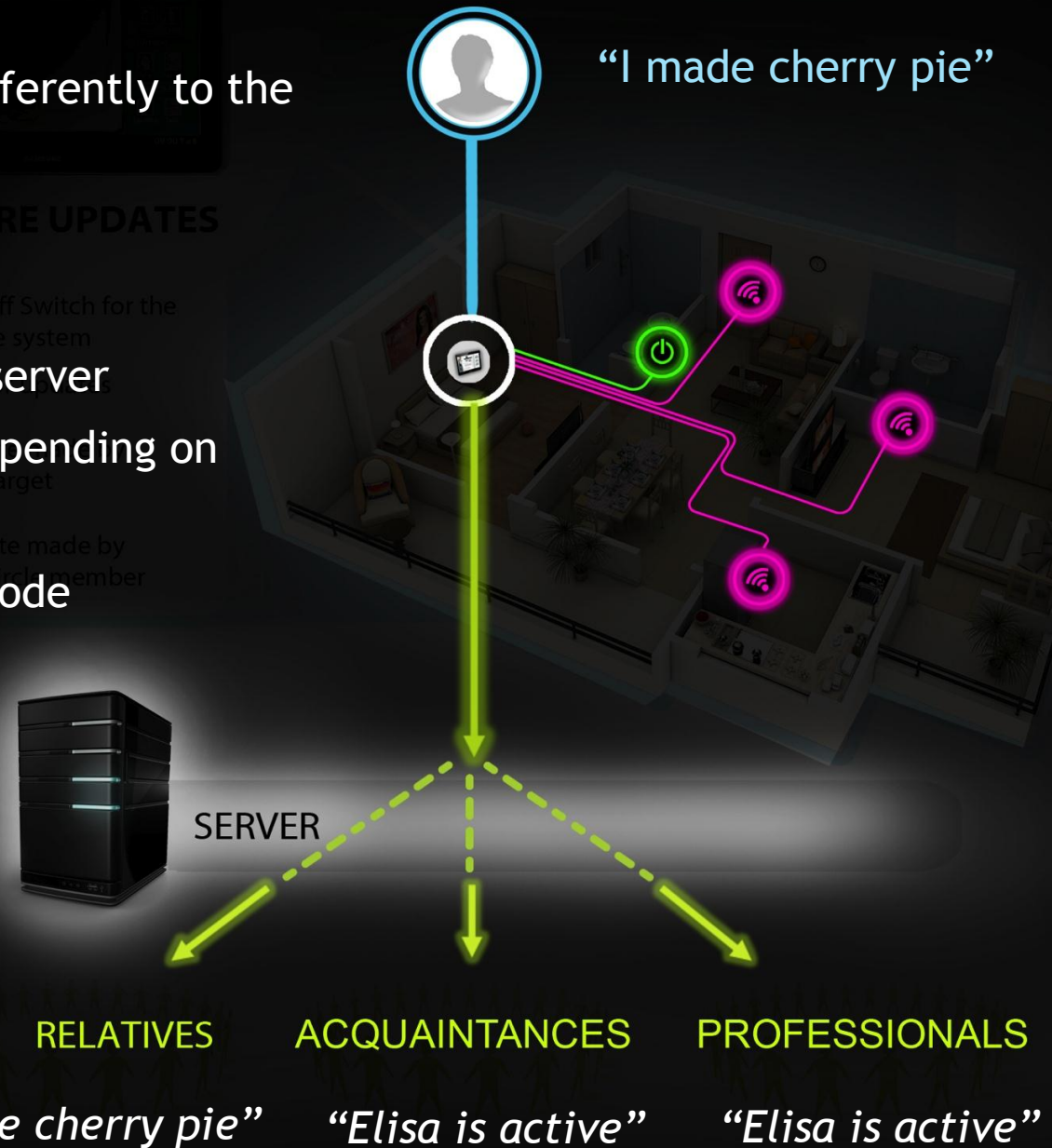


# \* CONTEXT SENSITIVE DATA DELIVERY

\* The same data is presented differently to the community members

\* Updates are

- 1) filtered and decoded in the server
- 2) transmitted to the circles depending on
  - the circle type
  - activity-monitoring mode





## COMCARE UPDATES

-  On/Off Switch for the whole system
-  Sensor updates
-  Update made by the Target
-  Update made by the Circle member



TARGET'S HOME



SERVER



RELATIVES



ACQUAINTANCES



PROFESSIONALS

# COMCARE USER INTERFACE



09:00

SAMSUNG

SAMSUNG

09:00

elisa.jaakkola@ulapland.fi

\* Main functions:

- Status updates with picture
- Private messages with picture



2VW2NWC



SELECTED UPDATE

UPDATE HISTORY

CIRCLES + PRIVATE MESSAGING

WRITE UPDATE -button



SAMSUNG

09:00