



HOKKAIDO UNIVERSITY

Title	COMCARE : COMMUNITY-BASED ACTIVITY MONITORING SERVICE FOR THE ELDERLY
Author(s)	Jaakkola, Elisa
Relation	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	https://hdl.handle.net/2115/51367
Type	conference presentation
File Information	04_ElisaJaakkola.pdf



COMCARE

COMMUNITY-BASED ACTIVITY MONITORING
SERVICE FOR THE ELDERLY

NIMO

- Nordic Interaction and Mobility Research Platform

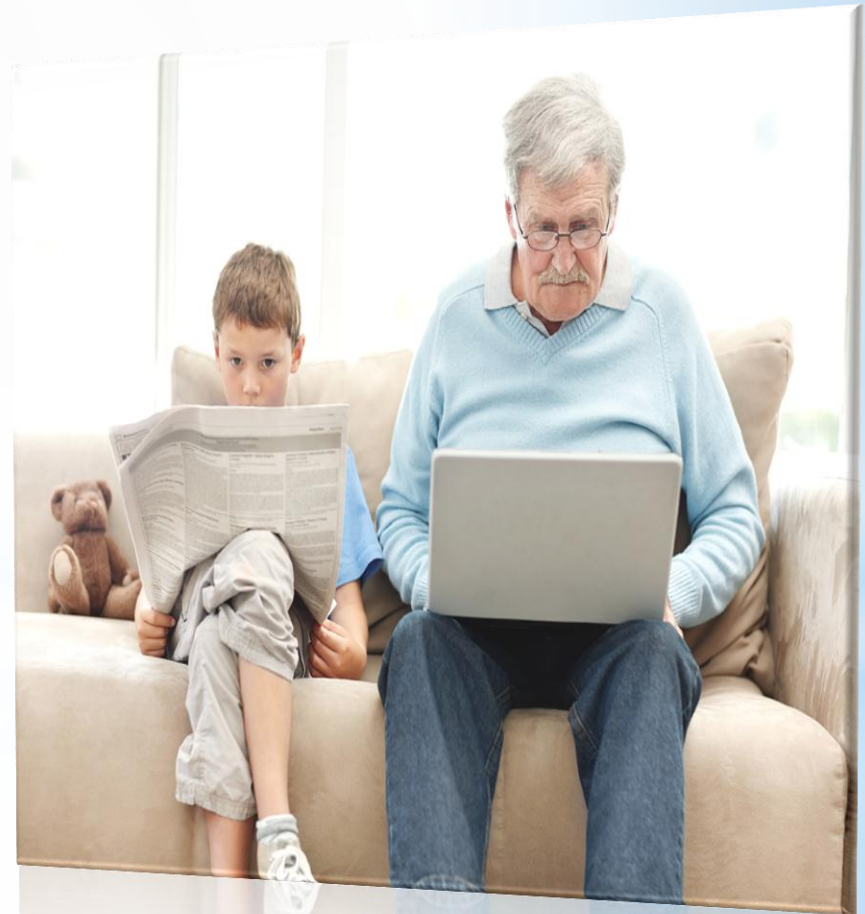
- * EU Interreg project
- * Researchers from
 - Luleå University of Technology
 - University of Oulu
 - University of Lapland, Rovaniemi
- * Aim to create a strong Nordic platform for developing mobile and interactive services



* 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

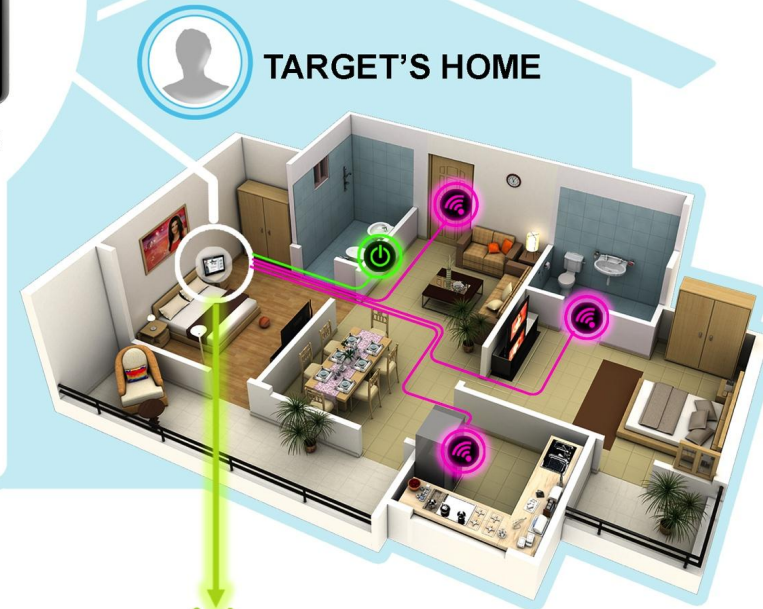
*The Comcare is..





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)

2) Three circles:

- **Relatives**

(e.g. family and close friends)

- **Aquaintances**

(e.g. neighbors or volunteers support staff)

- **Professionals**

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



TARGET'S HOME



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

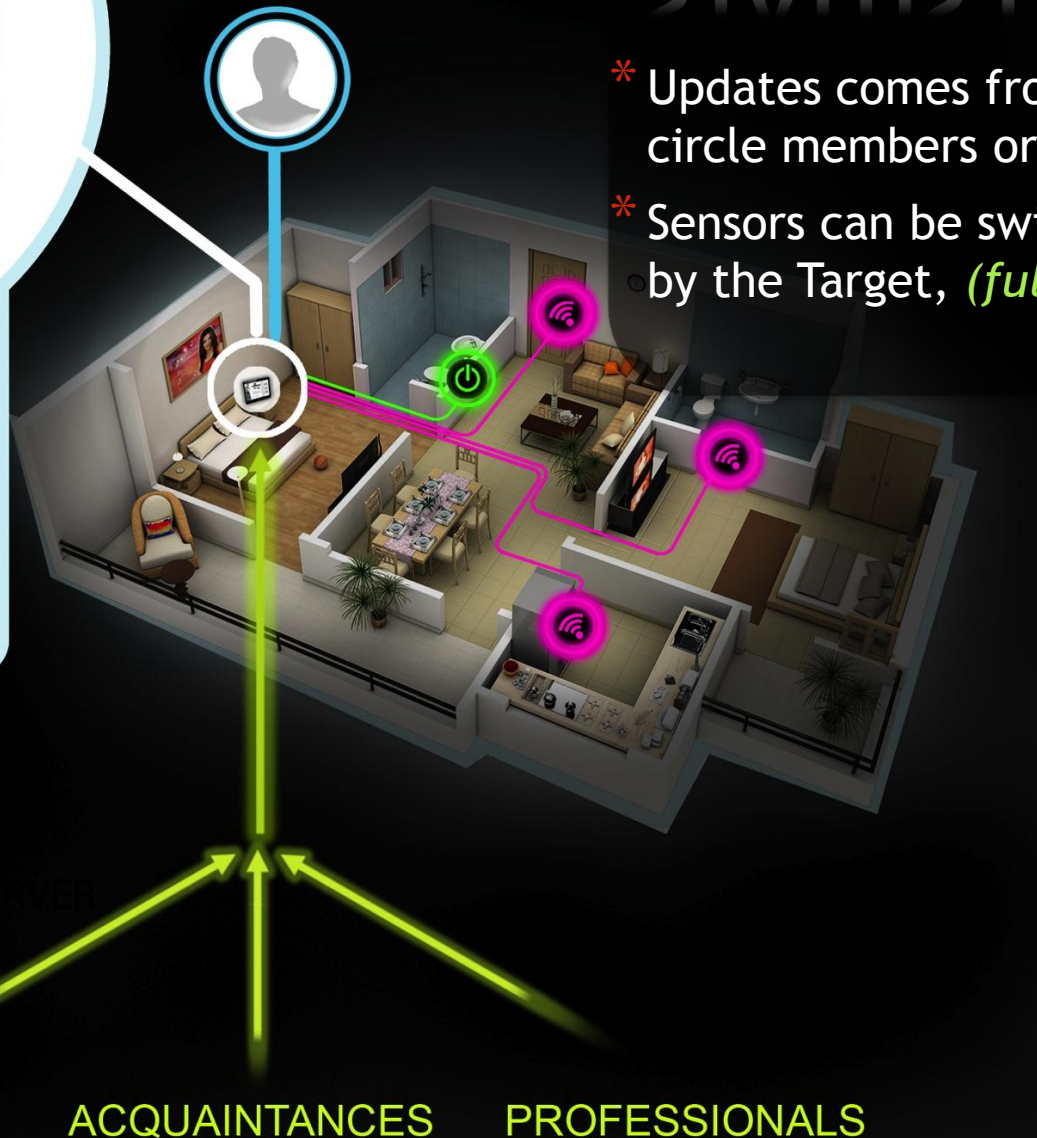


COMCARE UPDATES

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

* STATUS UPDATES

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



RELATIVES

ACQUAINTANCES

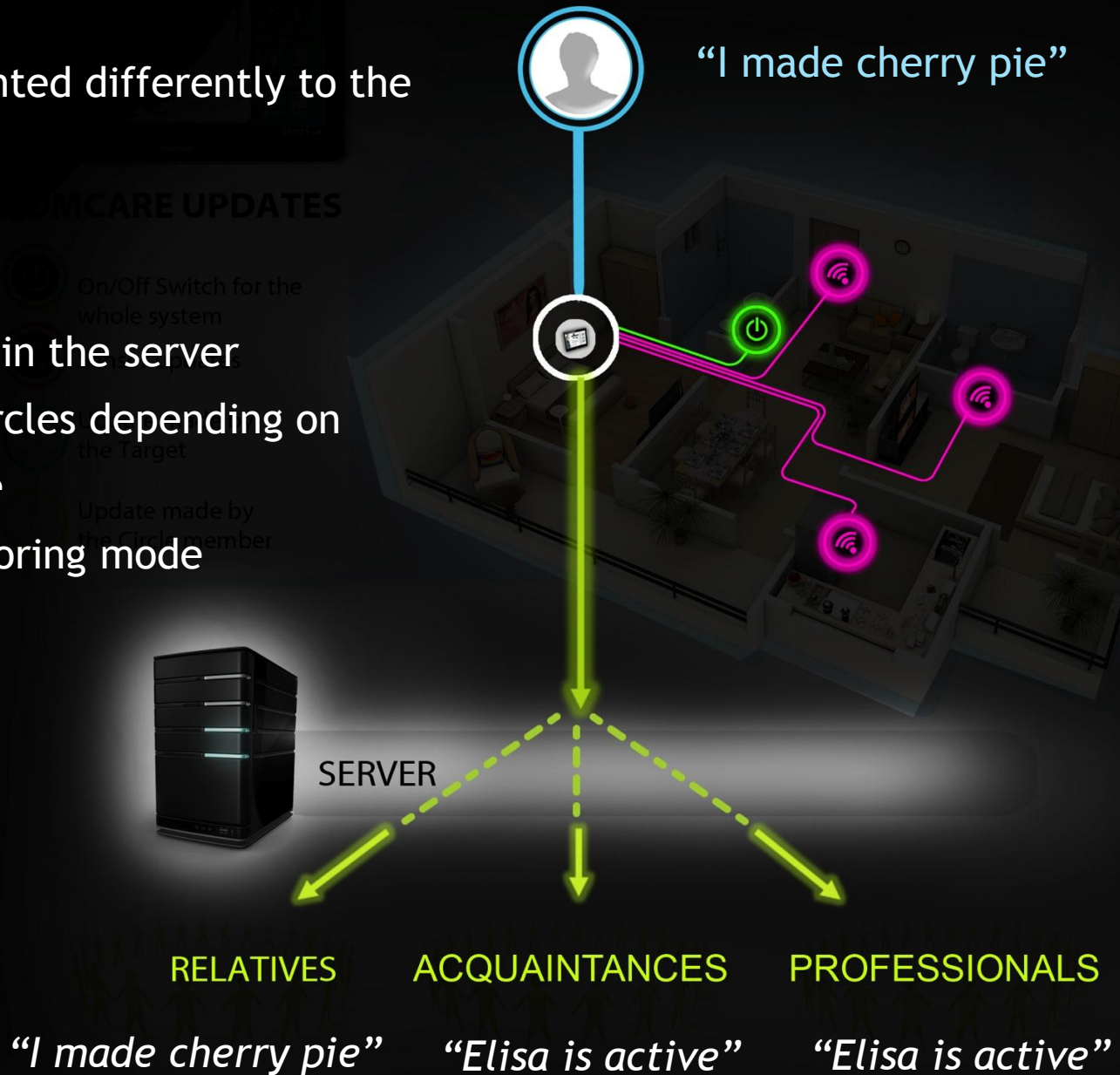
PROFESSIONALS

* 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



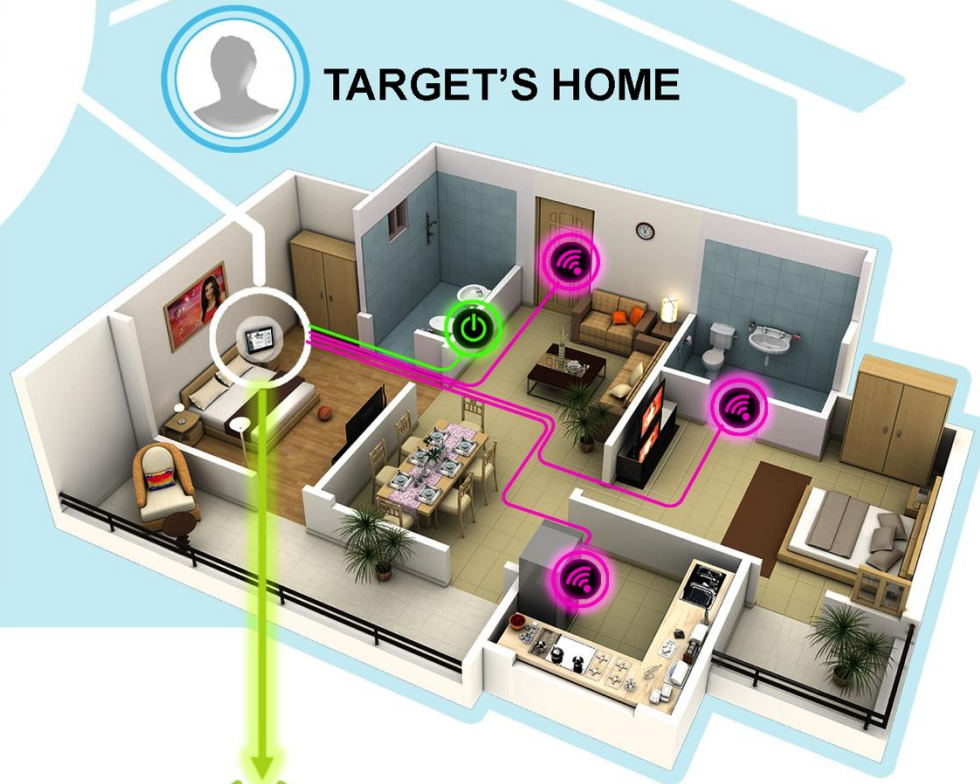
Sensor updates



Update made by the Target



Update made by the Circle member



SERVER



RELATIVES



ACQUAINTANCES



PROFESSIONALS

COMCARE USER INTERFACE



* Main functions:

- Status updates with picture
- Private messages with picture



2VW2NWC

SELECTED
UPDATE

UPDATE
HISTORY

CIRCLES
+ PRIVATE
MESSAGING

WRITE UPDATE -button





2VW2NHC