



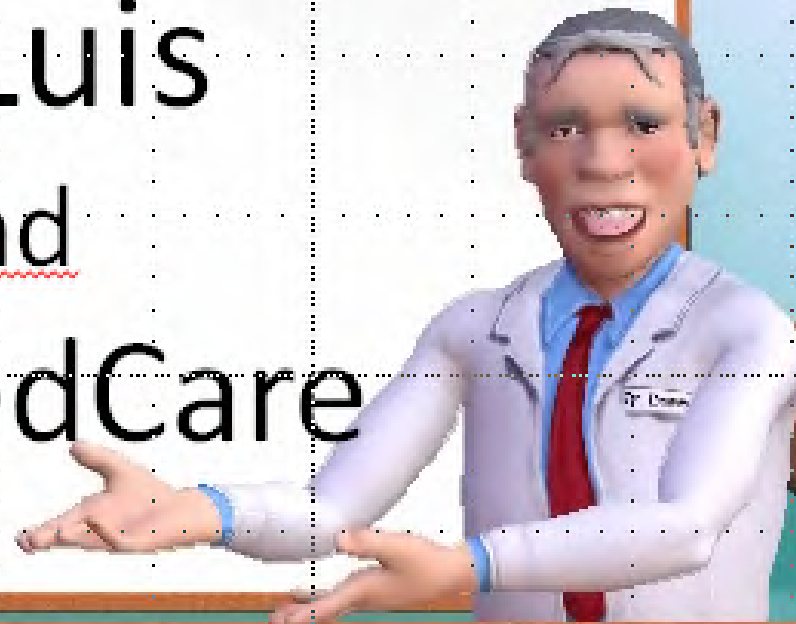
# Giving Smart Seniors Access to Smart Technologies

## AALuis - RelaxedCare

Christopher Mayer (AIT), Project Coordinator AALuis

Martin Morandell (AIT), Project Coordinator RelaxedCare

# AALuis and RelaxedCare



# AALuis Goals

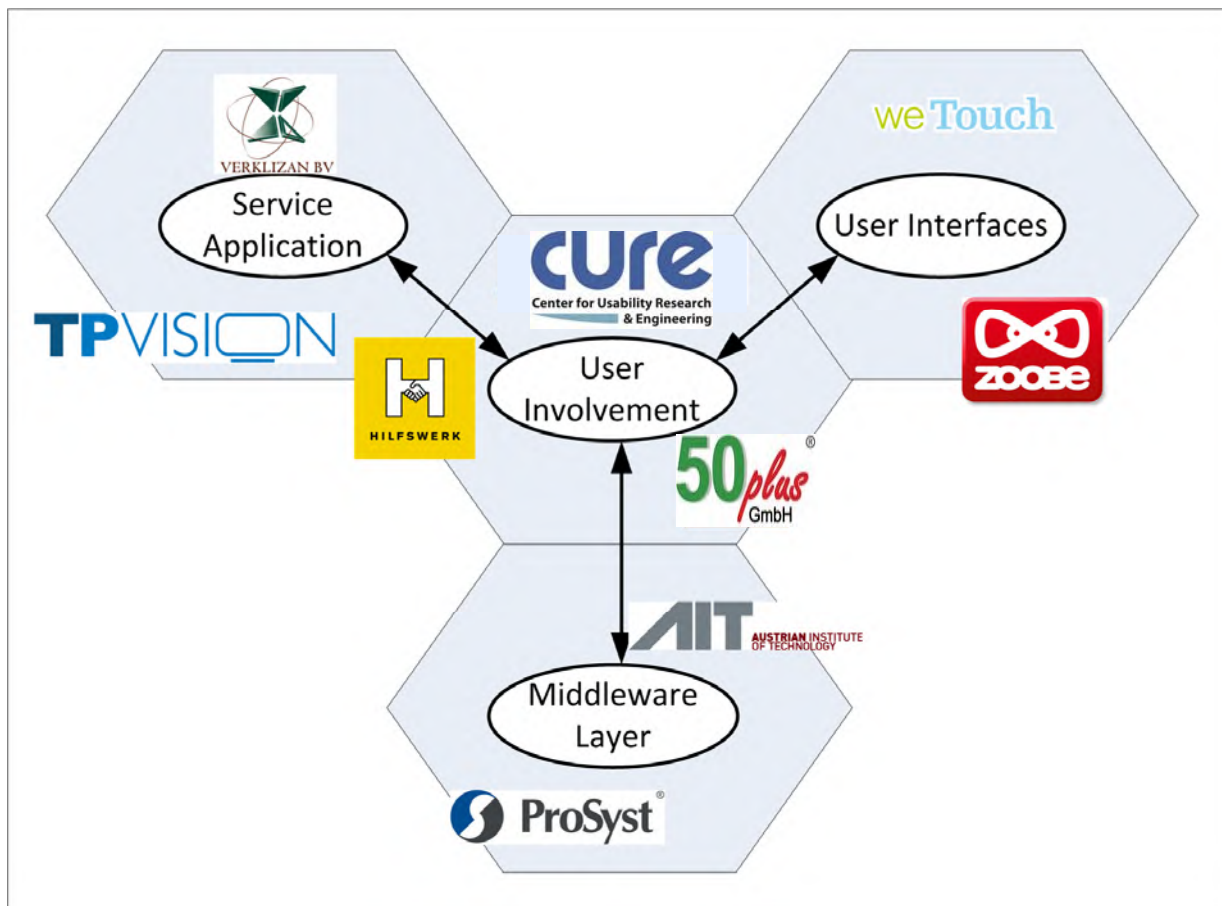


## AALuis will ...

- ... facilitate the connection of ICT services to different user interfaces
- ... enable the future users to use services interacting in their **preferred way**
- ... satisfy the needs of the very heterogeneous target group concerning the user interaction with AAL systems
- ... provide **freedom of choice** for smart seniors
- ... create **inclusive** and **sustainable** solutions
- ... support developers creating accessible services and user interfaces




# AALuis Partners

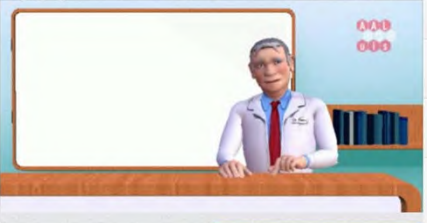


# AALuis Outcomes







**End-Users**

ReminderService		ReminderService Content:
Home	Options	Donnerstag 07.11. 09:00
		1 Stunde
		Hilfswerk
		Körperpflege
		Haare waschen, Körper waschen, Nägel schneiden
Back	Ok	

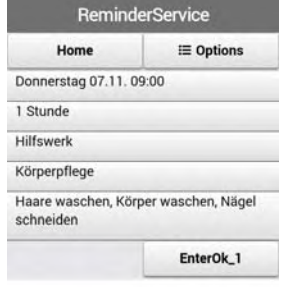
Tablet




**User Orgs**



Smart Phone



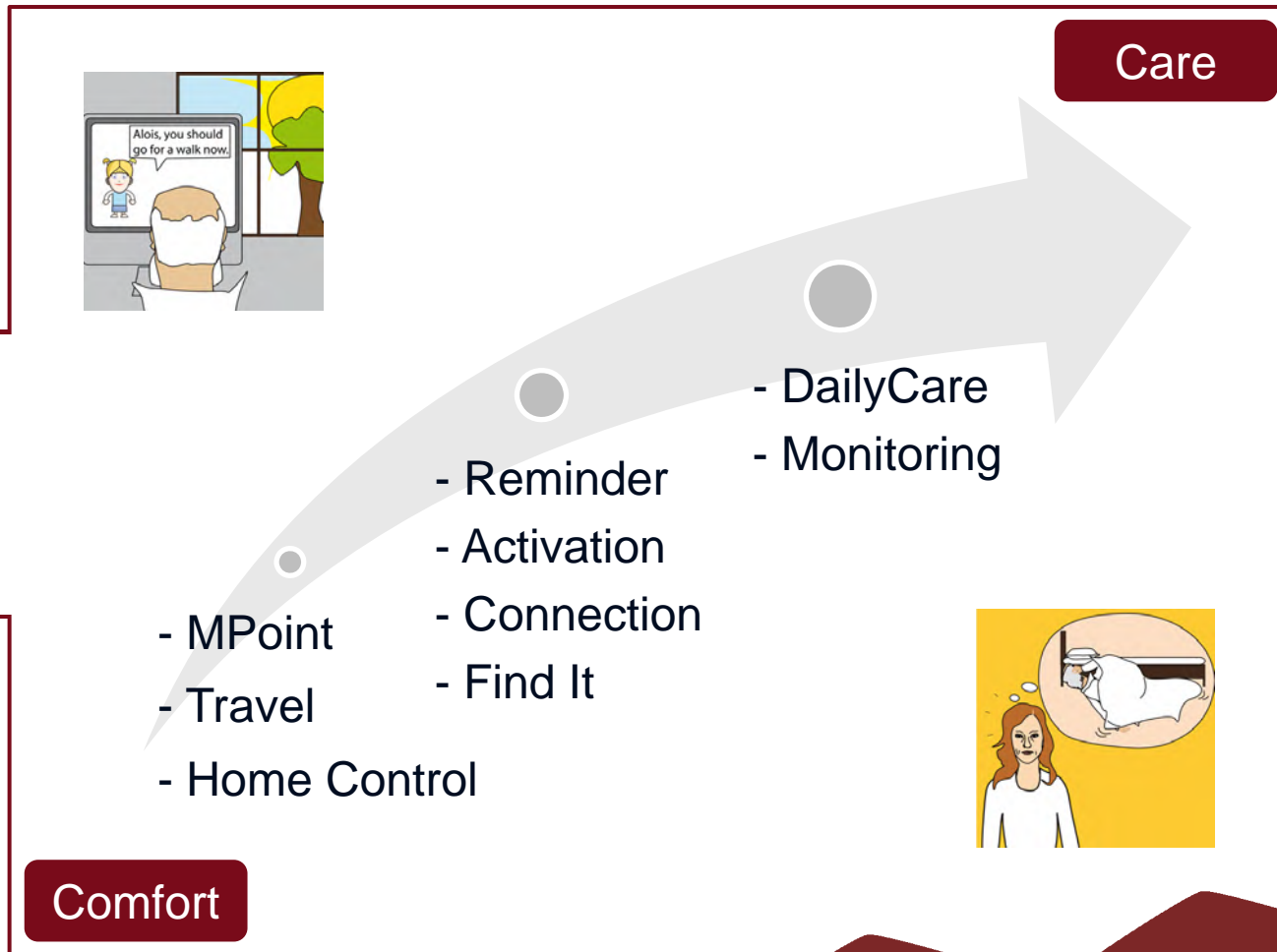
Smart Phone (high contrast)



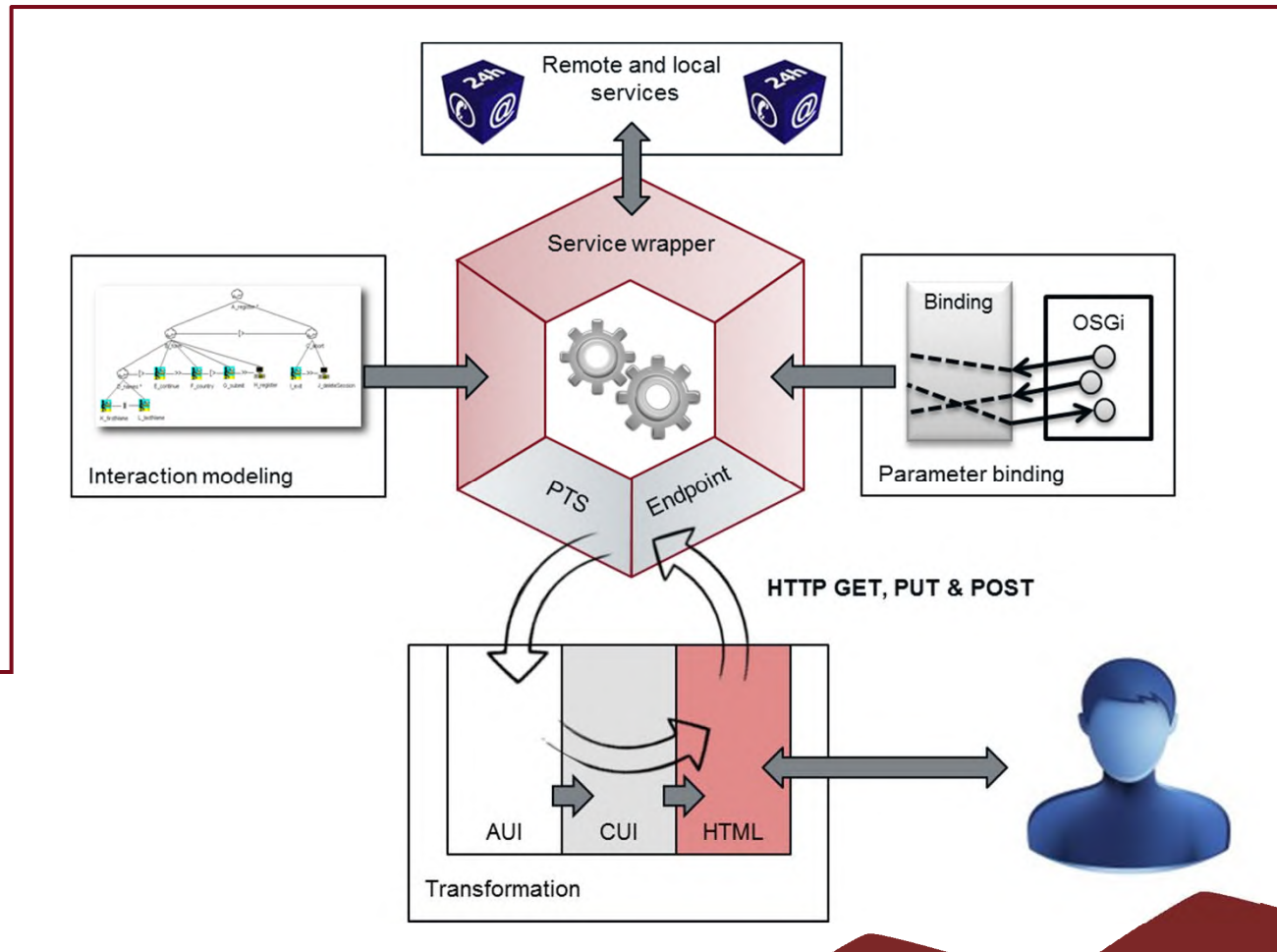
**Developers**



# AALuis Outcomes

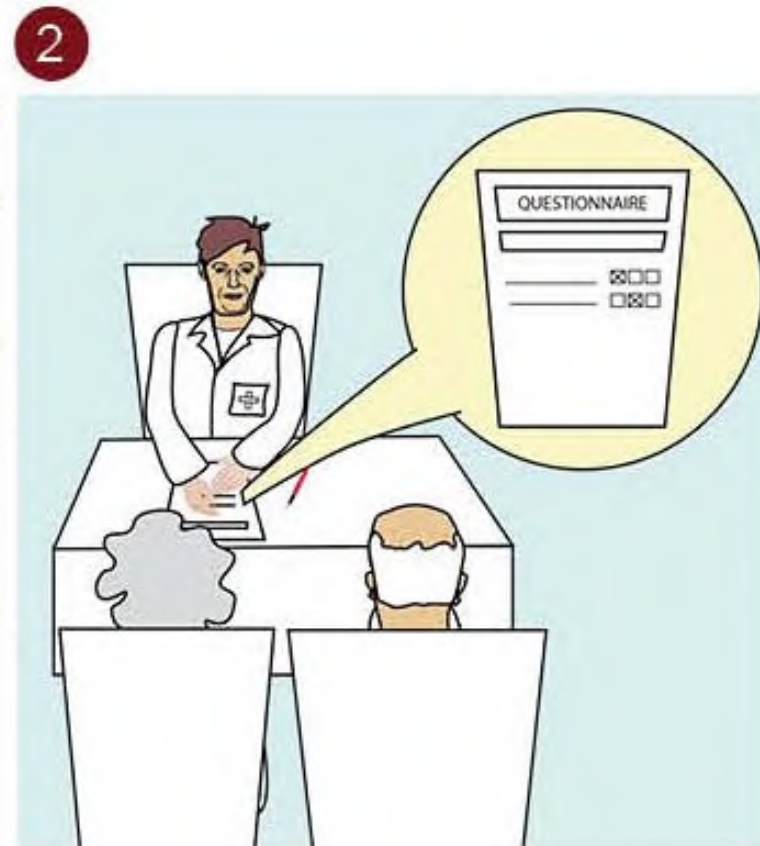


# AALuis Outcomes



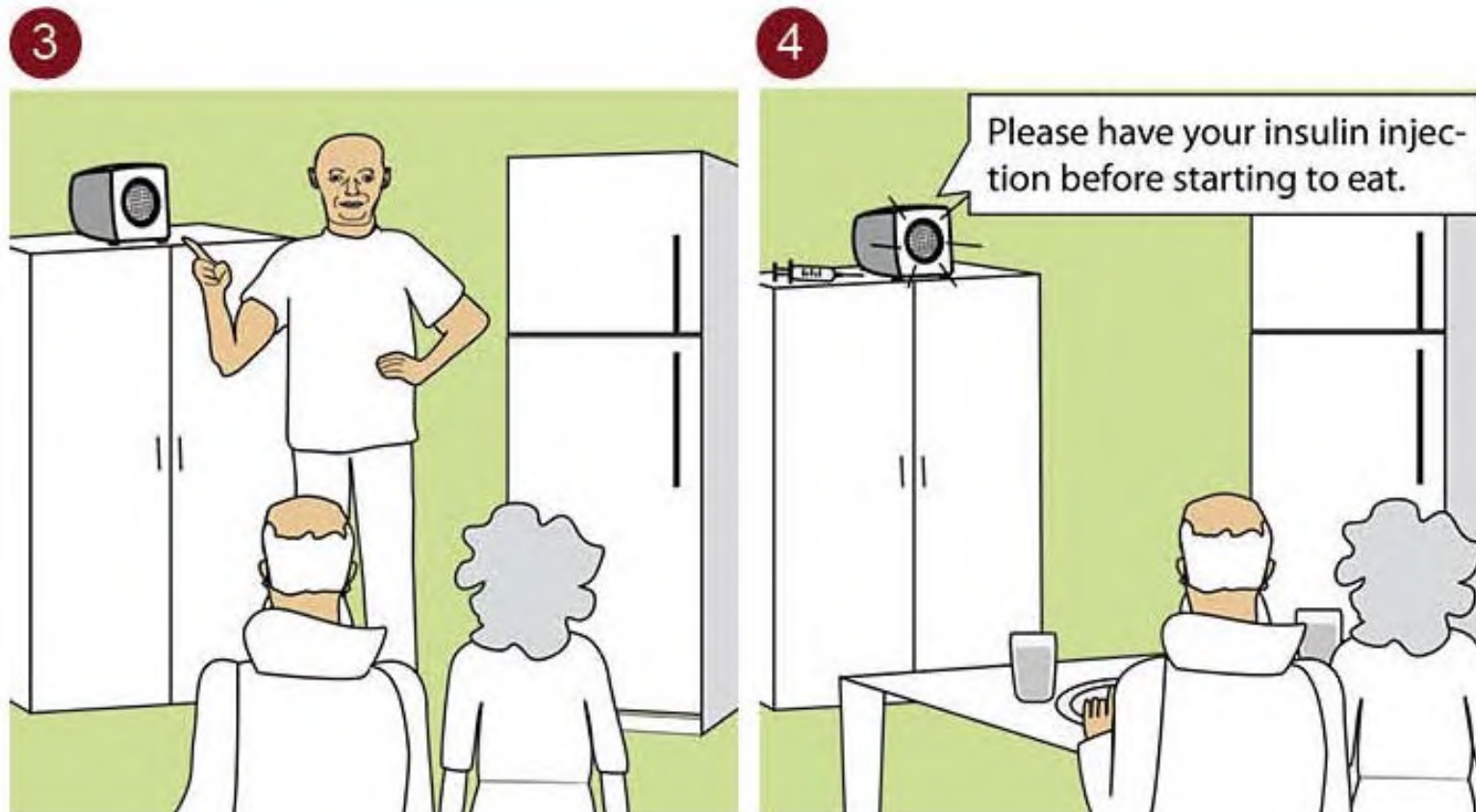


# An AALuis Scenario

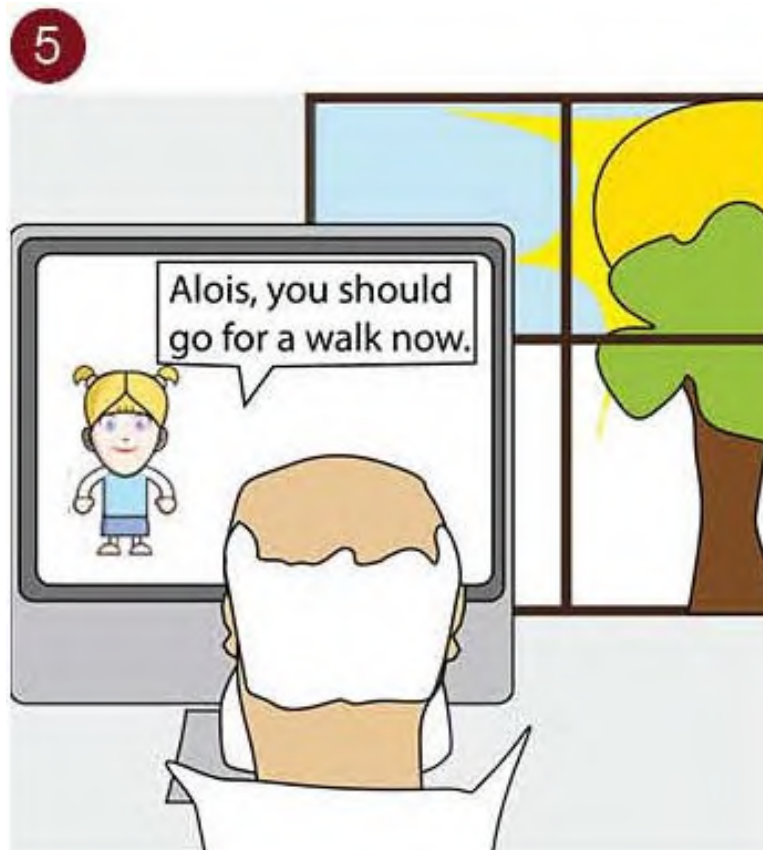




# An AALuis Scenario



# An AALuis Scenario





## Who Can Benefit from AALuis?



**End-Users**

“The font size of my mobile phone is often too small. It would be great if AALuis results in automatic adaptations to my needs.”

Assisted Person

© AALuis stakeholder analysis



**User Orgs**



**Developers**



## Who Can Benefit from AALuis?



**End-Users**

“AALuis helps that older adults can remain living independently at home even with slight signs of dementia”  
Care Organization

© AALuis stakeholder analysis



**User Orgs**

“Lower costs and a greater satisfaction: everybody can benefit from new age-friendly services, with a user interface that fits the end-user!”  
Care Organization

© AALuis stakeholder analysis



**Developers**



## Who Can Benefit from AALuis?



**End-Users**



**User Orgs**



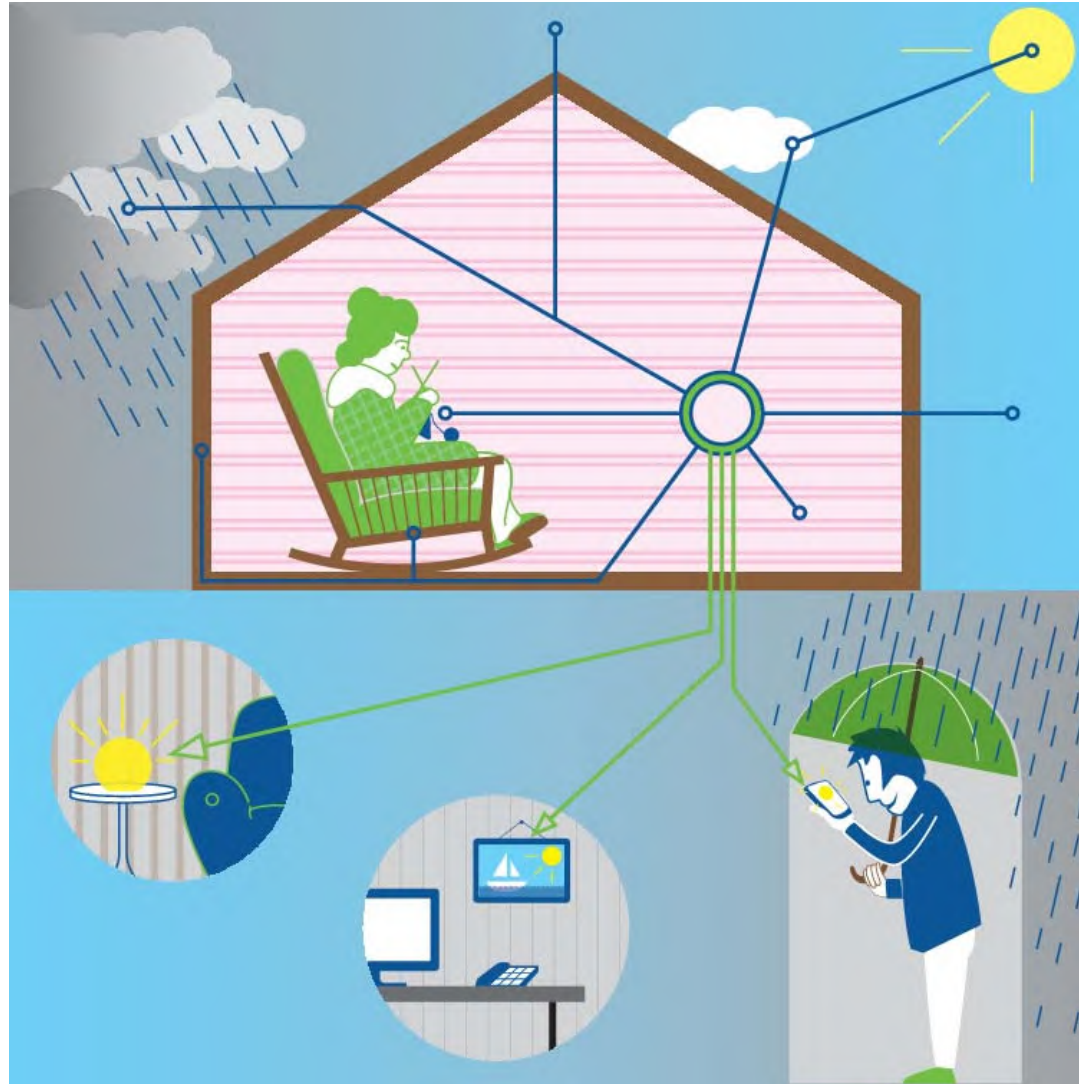
**Developers**

“The AALuis middleware could indeed reduce efforts for the creation of user interfaces. There is a benefit of reduced development effort.”

© AALuis stakeholder analysis

**Developer**

# RelaxedCare Scenario





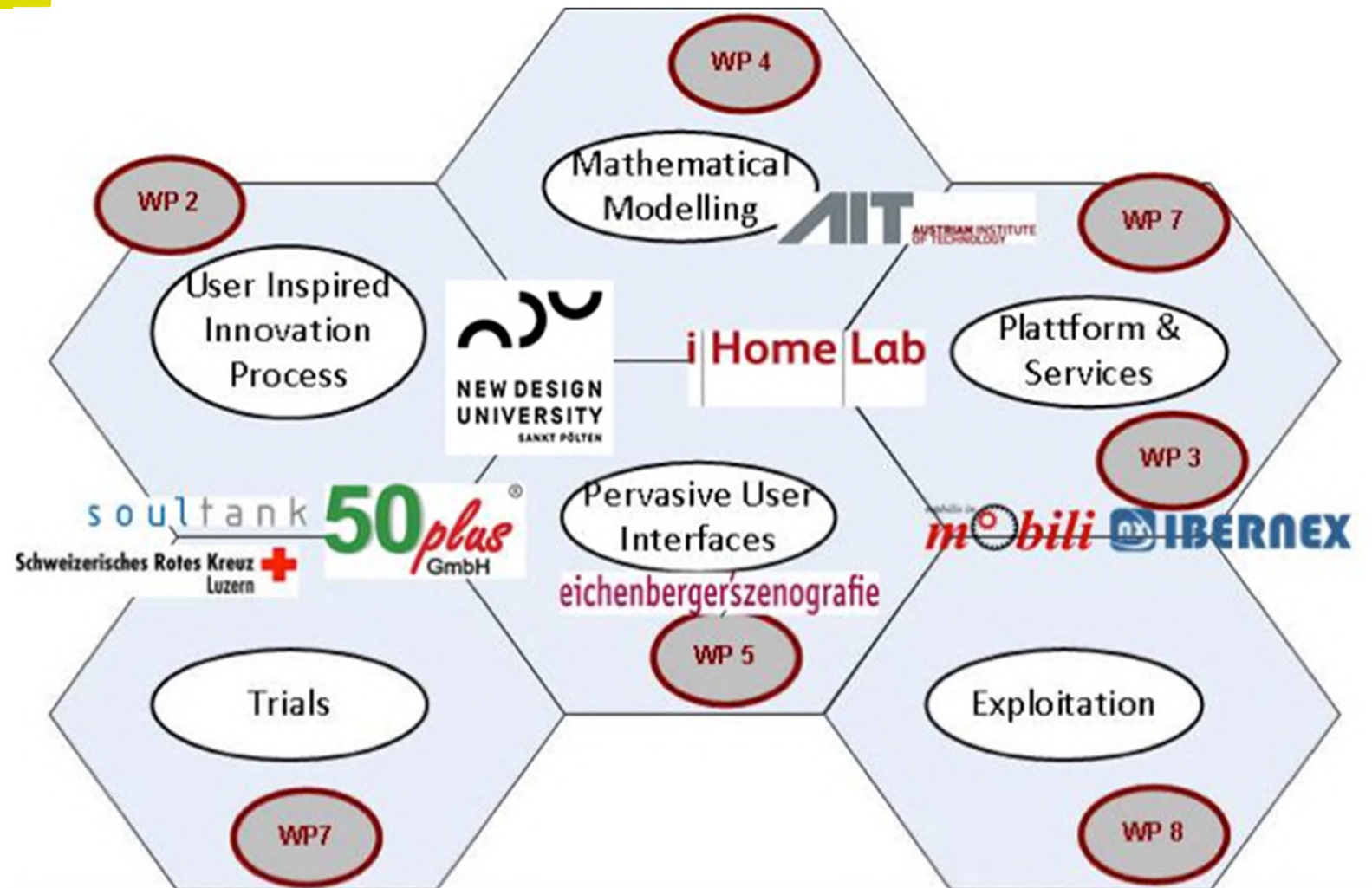


# Project Goals

## RelaxedCare will ...

- connect informal caregivers and assisted persons,
- help to reassure informal caregivers,
- help assisted persons to feel socially connected,
- create nicely designed and accepted pervasive user interfaces,
- bring up new methods for AAL pattern recognition on different levels,
- contribute to the AAL scientific community by widespread dissemination....

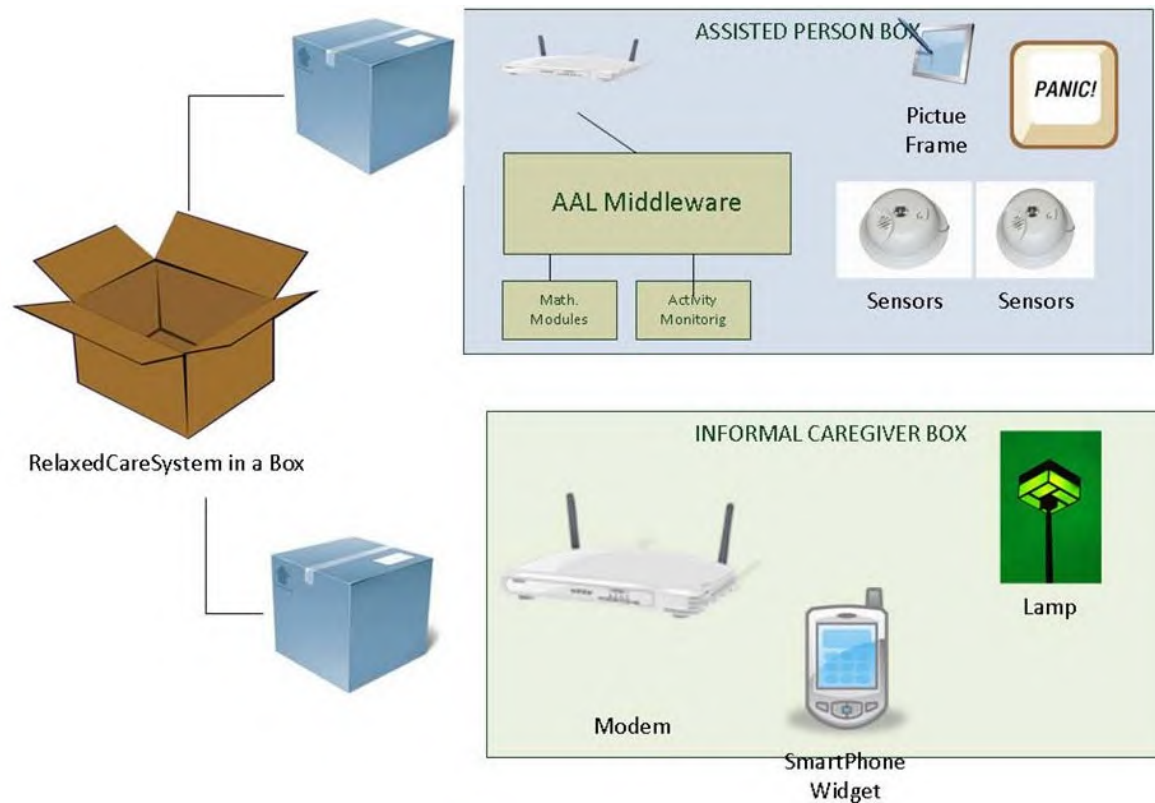
# RelaxedCare Partner



# Expected Outcome

## RelaxedCare will ...

- be developed to be brought to market as “AAL system in a box”.



# Who can benefit from RelaxedCare

- Informal caregivers



<http://www.cancer.gov/PublishedContent/Images/cancertopics/coping/when-someone-you-love-is-treated/caring-1.jpg>

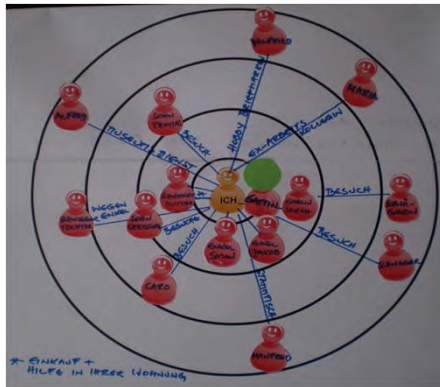
# Who can benefit from RelaxedCare

- The assisted persons



<http://www.openideo.com/open/mayo-clinic/inspiration/tyze-an-online-tool-that-helps-us-care-for-others/gallery/tyze.jpg/>

# AALuis User Involvement



Lab Trials

Field Trials

Formative Usability Tests

Final Expert Evaluation

End User Requirements

Use Cases and Scenarios

Ethical Manual



PM 0                      6                      12                      18                      24                      30                      36







## AALuis User Involvement

- **Formative Usability Testing / Lab Trials using** various scenario-based tasks and an exploratory approach
- 11 participants (6 of UG1, 5 of UG2) / 9 participants (5 of UG1, 4 of UG2)



# User involvement

- „show and tell“
- Interviews

70+, female



70+, female



70+, male



60+, female





# User involvement

- Focus group



WHEN/WHO

18-07-2013 at SOULTANK | 10 Elderly  
(7 female, 3 male)

# User involvement

- Designer workshop



# General Challenges



## 1. Funding (for User Organisations)

- Co-funding, subcontracting
- Countries not participating in AAL JP

→ Christopher (AIT),  
Karina Marcus (AAL CMU)

## 2. Transition to Market

- Keeping the care system affordable
- Scalability of AAL solutions

→ Matti (Verklizan), Kai (ProSyst)

## 3. Raising Awareness

- Open for technology
- ICT literacy of older adults

→ Martin (AIT), Jan (CURE)

## 4. Giving a Voice

- Influence on future technology
- “We are customers!”

→ Julia, Frauke (50plus)



# AALuis Facts



- **Full Name:**
  - Ambient Assisted Living user interfaces
- **Acronym:**
  - AALuis
- **Project Identifier:**
  - AAL-2010-3-070
- **Funding Scheme:**
  - AAL Joint Programme
- **Start Date:**
  - 01.07.2011
- **Duration:**
  - 36 Months
- **Coordinator**
  - AIT Austrian Institute of Technology GmbH, AT





# RelaxedCare facts

- **Full Name:**

RelaxedCare – Unobtrusive connection in care situations

- **Acronym:**

RelaxedCare

The project RelaxedCare is partially funded by the European AAL JP and the following R&D Programmes from Austria, Switzerland, Slovenia and Spain

- **Project Identifier:**

AAL-2012-5-199

- **Funding Scheme:**

AAL Joint Programme Call 5

- **Start Date:**

2013/05/01

- **Duration:**

36 Month



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra



Eidgenössisches Departement für  
Wirtschaft, Bildung und Forschung WBF  
Staatssekretariat für Bildung,  
Forschung und Innovation SBF



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ZNANOST IN ŠPORT





# Thank you for your attention!

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