

F&E-Lunch ZHAW

Departement N

ActiveAdvice – Decision Support Solutions for Independent Living

AAL-Programm, 2015

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- **Einstieg**
- **AAL – Programm im Wandel**
- **AAL – und die Schweiz**
- **Assistenzsysteme**
- **ActiveAdvice**

Einstieg



Mittleres Bevölkerungsszenario 2010-2060:

- +89% der Bevölkerung 65+
- +53% der 65-79 Jährigen
- +180% der Bevölkerung 80+

Quelle: BFS (2010): Szenarien zur Bevölkerungsentwicklung
2010-2060. Neuchâtel.

AAL – Programm im Wandel

„Leben in einer durch ‘intelligente’ Technik unterstützten, assistierenden Umgebung, die sensibel und anpassungsfähig auf die Anwesenheit von Menschen und Objekten reagiert und dabei dem Assistenzbedürftigen und/oder dem Assistenzgebenden vielfältige Dienste leistet und Informationen bietet.“ (Meyer 2011: 94)



Active and Assisted Living (AAL) Programme

AAL – und die Schweiz

- ... seit dem 1. Call mit Projekten erfolgreich dabei (seit 2008)
- ... Forschungsinstitutionen, Unternehmen und Enduser-Organisationen
- ... **NEU** Call 2016: Hochschulen dürfen nur mitmachen, wenn auch ein CH-Unternehmen oder Enduser-Organisation dabei ist
- ... 50% Förderrate (!)
- ... max. 1 Mio je Projekt, max. CHF 400.000 je CH-Partner

<http://www.sbfi.admin.ch/themen/01370/02396/02399/index.html?lang=de>

Tech. Assistenzsysteme

Nach Braeske (WP 12/2011) können drei Generationen altersgerechter Assistenzsysteme unterschieden werden:

1. Generation:

Nicht vernetzte Geräte mit eindimensionaler Funktion:



2. Generation:

Vernetzte Geräte ohne Interaktivität:



3. Generation:

Vernetzte Geräte mit integrierter Technologie in die Umgebung:

«Design for all» (inclusive Design), sollen betroffenen älteren Menschen Lebensqualität und Sicherheit im Alltag geben (**Unterstützung bei ADL**), nutzerzentriert und in das jeweilige **Lebensumfeld integriert**, Sensorsysteme (körpernah/räumlich), **personalisiert**, beinhalten Erinnerungsfunktionen, Feedback: Alarmsystem – Intervention, **Informations- und Kommunikationstechniken in alltäglichen Gegenständen**



(Rosliwek-Hollering 2013: 45)

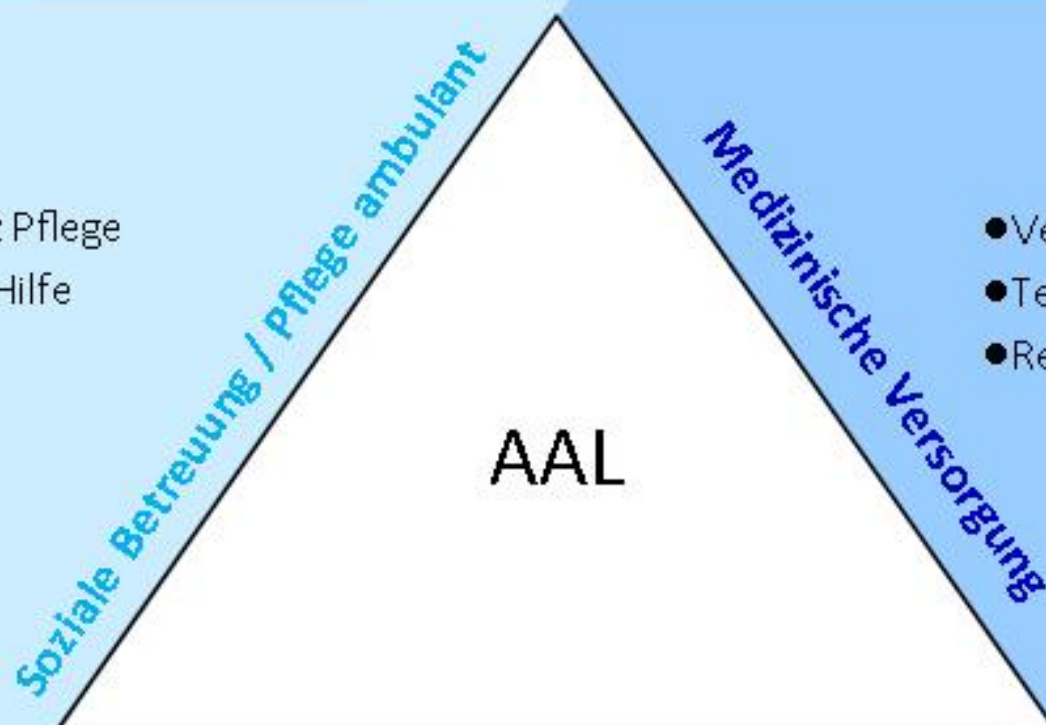
Techn. Assistenzsysteme

Überblick

Integrierte Versorgung

- Länger zu Hause trotz Pflege
- Weniger in/formelle Hilfe
- Höhere Sicherheit

- Verkürzter Aufenthalt stationär
- Telemonitoring statt Vor-Ort-Besuch
- Rehabilitation zu Hause



ATL

Wohnen

Fokus Komfort, Sicherheit und Selbstbestimmtheit

Patienten-
Selbstmanagement

© A. Kofler, IFM, ZHAW adapted from ICT-Ageing, 2010

ActiveAdvice

Decision Support Solutions for Independent Living using an Intelligent AAL Product and Service Cloud

Konsortium:

- SYNNO GmbH, Österreich (Projektleitung)
- ZHAW, IFM (Forschung), Schweiz
- Stichting Smart Homes (Beratung), Niederlande
- Cybermoor Services Ltd (KMU), Grossbritannien
- Yellow Window NV (KMU), Belgien
- Kempen LIFE U.A. (Enduser), Niederlande

Laufzeit:

1. April 2016-Juli 2018

ZHAW/IFM:

12 PM (124 PM)

Euro 240.000

Leitung:

Dr. Andrea Ch Kofler

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«(...) **public awareness of AAL is still low.** For older adults, who are the expected end user of those technologies and services, **almost no comprehensive and comparable information on existing solutions is available.**» (ActiveAdvice Application 2015)

«(...) what is totally missing on existing websites is **any form of decision support**, therefore the user is often unsure about **what technologies would suit best his/her requirements.**» (ActiveAdvice Application 2015)



Active advising and decision-support network across Europe

ActiveAdvice

Decision Support Solutions for Independent Living using an Intelligent AAL Product and Service Cloud

1. C: Information on solutions available in the market, evaluations, can give feedback, share their experiences, rate solutions.
2. B: Market solutions and get to know their clients better!
3. G. Develop and promote services in the fields of health and care.

(ActiveAdvice Application 2015)

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END USERS	EXPECTED IMPACTS OF ActiveAdvice
<p>Primary</p> <p><i>Older adults wanting to use or already using AAL solutions at home</i></p>	<ul style="list-style-type: none"> • Comprehensive AAL product, services and solution information • Personal empowerment • Freedom of choice for desired products & services • Decision support by end users and decision support logic • Exchange of experiences on existing AAL solutions • Support of other older adults as digital advisor • Improved centralized access to AAL solutions & providers • Promoting sense of community and experience exchange • Improved quality of life
<p>Secondary</p> <p><i>Enterprises willing to enter the business field of AAL or want to empower their existing services</i></p>	<ul style="list-style-type: none"> • Present products and service to an international audience • Collect feedback from users across Europe • Explore new fields of business • Create unique selling propositions • Support in advisory for older adults • Specialized training in AAL know-how and environment usage • Certificate as proof of quality • Participation in an international network of experts
<p>Tertiary</p> <p><i>Governmental bodies defining policies and providing services in the field of health and care</i></p>	<ul style="list-style-type: none"> • Access to most recent information on AAL • Best practices for creation of accessible public places • Find professionals in accessible design and construction • Reduced number of nursing homes to be funded because people can live at home longer independently • Reduced health care cost • Advances in AAL innovation support

Informieren,
Auswahlentscheidung,
Beratung,
Erfahrungsaustausch,
Zugänglichkeit

Transparenz,
europaweite Promotion,
Marketing und Beratung,
Zertifizierung, Expertise

Bewusstseinsbildung

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Decision Support Solutions for Independent Living using an Intelligent AAL Product and Service Cloud

Challenges

- In-depth survey of stakeholders (!)
- AAL product and service ecosystem (cooperation/interaction/sharing)
- Multilingual, ICT-based solution framework (accessibility across Europe)
- Setup an intelligent AAL Product&Service Cloud
- Implement the "creative interactive ICT-based solution"
- Trainings for the various user-groups

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Participation and Contribution of IFM, ZHAW

WP 1:

Base research on stakeholders; on best practice on AAL advice, decision support; on AAL solutions, services and products in the market

WP 2/3:

User requirements analysis in the context of the ActiveAdvice environment

WP 4:

Usability and user experience tests/feedbacks

- PM
- Dissemination

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Intelligent AAL Product and Service Cloud

Danke für Ihre Aufmerksamkeit!