



## Welcome to AALIANCE2!

### The six strategic moves of AALIANCE2

The AALIANCE2 project is a Coordination Action funded by the European Commission's ICT Programme within the 7th European Framework Programme and working in the Ambient Assisted Living (AAL) field.

AALIANCE2 is:

1. developing the AALIANCE Community, a network of AAL-related stakeholders in Europe aiming to be a reference in AAL and long-term sustainable;
2. editing the AAL Roadmap and Strategic Research Agenda for the upcoming decades;
3. identifying standardisation requirements in the field of ICT and wellbeing (incl. care and healthcare standards);
4. providing recommendations for overcoming market barriers and effective regulations in AAL markets;
5. investigating the current technological state of the art and market developments in AAL in Europe, North America and Asia;
6. supporting the implementation of coherent strategies of the public and private sectors.

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### The AALIANCE2 Consortium



Telekom Innovation Laboratories



### Join us on:



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## Standardization in AAL

Standards play an important role in the successful creation of an AAL ecosystem with safe, usable and interoperable products that can “grow” with the changing needs of the senior user. For this reason, standardisation in AAL is an important topic of AALIANCE2.

The first milestone in this domain is the development of an on-line repository describing and referencing existing standards that are of relevance for system developers the field of AAL. These standards come from different disciplines such as home automation, information technology, medicine, electrical engineering, telecommunication and economics. They cover aspects like home automation field buses, software infrastructures for AAL, medical terminology, smart metering, communication protocols, and quality management systems.

The repository focuses on European (CEN, CENELEC, ETSI) and international (ISO, IEC, ITU) standards but also includes relevant industry (IEEE, W3C, OASIS etc.) and national standards in those fields where no international standards exist yet. The goal of this work is to increase the awareness of system architects and developers for the large body of standards that is already available for use with AAL.

By 2013 the repository of standards will have reached its first stable version. In preparation of the 3rd stakeholder workshop (see below), the repository will be made available to all registered participants for review. After the workshop, the repository will be made available to the interested community as an official deliverable of the project.



## AALIANCE2 Stakeholder Workshop: Standardisation and Certification for AAL

On 12<sup>th</sup> February 2013 the 3<sup>rd</sup> AALIANCE2 stakeholder workshop took place in Frankfurt/Main, Germany.

This workshop focused on the topics of standardisation and certification in the field of AAL. The workshop will on one hand review the existing landscape of standards relevant for AAL as documented by AALIANCE2 and on the other hand discuss future needs in terms of new standards, certification programmes and organizational structures for promoting interoperability in the AAL sector, providing input to the revised AALIANCE2 Strategic Research Agenda and Roadmap.

For information contact [aaliance2@offis.de](mailto:aaliance2@offis.de).



## AAL Best Practice: Zuid-Zorg experience in Veldhoven (NL)



Mrs. Sweegers, 84 years

*"Now I control my fear"*

Mr. and Mrs. Sweegers are married for 55 years and live in a new apartment for senior people. It is a safe and social environment, where they both enjoy to live.

Mr. and Mrs. Sweegers have two daughters and also seven grandchildren. *"Luckily they live nearby, they do a lot for us. When it was going not well for me, one even slept here every night."*

They are independent and take care of themselves. Every week they go to the nearby city for shopping or to savour a beer. Twice a week they receive an assistance for cleaning. They are using the service 'meals-on-wheels', but Mr. Sweegers doesn't like it, so often Mrs. Sweegers cooks meals for him. Furthermore she has a lot of hobbies: painting, modelling, making dolls, writing poems.

Now Mrs. Sweegers is fine, but last year she had a terrible period. *"I have a mild form of diabetes, but no one ever told me that I could need a 'hypo'. Two years ago my husband found me unconscious in my bed. Since that time I started to feel very, very anxious. I didn't dare neither to go outside my house nor even to have guests here!"*

So she started to use insulin. She injects herself twice a day. In the beginning a nurse passed by twice a day to teach her how to inject. After a while they only came on demand when she was uncertain. She felt safer when someone monitored her during the injections. About a year ago, the homecare nurse suggested to start with telecare. Firstly she was hesitant but the nurse convinced her to try it out. Now she is really happy with telecare.

*"I can call in, whenever it is necessary, when I feel hypoglycemic and so on. It gives me a safe feeling. The homecare nurse still comes, but now only for the blood sugar tests once a week. All the other days of the week, I have telecare. I am happy with it, I can help myself. And I'm no longer anxious. For my husband it is also a reassurance. Even when he is sick they take care of him. So nice!"*

*I have no longer trouble in going to sleep, no more fear of not waking up. I would have no problem in moving to a nursery home, but my husband wants to live here as long as possible. I think with telecare it is possible."*



- Main objectives:**
1. Overview of current standard technologies
  2. Analysis of upcoming standardisation and certification in AAL

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## AAL events

### **12/03/2013 Vilamoura (PT) AAATE 2013: Call for papers**



On 19<sup>th</sup>–22<sup>th</sup> September 2013 the 12<sup>th</sup> European AAATE Conference, organized by the Association for the Advancement of Assistive Technology in Europe, will take place in Vilamoura, Portugal. One of the main objectives of the AAATE2013 Conference is to bring together researchers, professionals, manufacturers, end users and their families, and combine their knowledge, expertise, needs and expectations, contributing in a multidisciplinary way to the success of this meeting. AAATE Community is looking forward to meet you all in Vilamoura, Portugal, for the 2013 AAATE Conference! The paper submission will close on 12<sup>th</sup> March 2013. More information on the conference website <http://www.aaate2013.eu/>

### **18/04/2013 Brussels (BE) EIP on AHA: Conference on Frailty**



This conference will address the key risk conditions of frailty, paying particular attention to amongst others, malnutrition, cognitive and functional decline, interventions to overcome frailty and screening. Several of these are being addressed by members of A3 Action Group who hope to produce specific deliverables in 2 years' time. More information are available [here](#).

### **13-15/05/2013 Dublin (IR) eHealth Week 2013**



#### *Innovative Healthcare & Well-being*

eHealth Week 2013 brings together two main events: the High Level eHealth Conference co-organised by the European Commission and the Irish Presidency of the Council of the European Union, and WoHIT (World of Health IT Conference & Exhibition) organised by HIMSS Europe. The event not only brings industry partners and providers from across Europe, but also important government and regional decision makers. More information are available [here](#).

### **26-28/08/2013 Helsinki (FI) Work, Wellbeing and Wealth: Active Ageing at Work**



The International Conference on "Work, Wellbeing and Wealth: Active Ageing at Work", organized by the Finnish Institute of Occupational Health and the JPI "More Years, Better Lives", aims to bring together researchers, experts and European networks in the area and to present and discuss the major R&D needs and solutions on the themes: 1) *Sustainable work and health*; 2) *Productivity and innovations*; 3) *Management and work organization*; 4) *Policy issues*. More information are available [here](#).



## AAL Market: Short overview

### ***A brief history of AAL technology generations\****

Providers of AAL products and services comprise a fragmented socio-technical environment for the deployment of a wide range of solutions. In 2012 there are a diverse number of devices and services addressing immediate home environment of older people with the intention to enable self-management and remote delivery of support services. These may be supplied by the traditional providers of health and social care as well as new providers that enter into the field. Services that have the potential to address the needs older people have when moving away from their home environment have to be taken into consideration. Different types of support services with relevance for independent living are emerging. In the social care sector, 'social alarms' or 'community alarms' have been deployed since the 1980s. This typically comprises a special telephone or portable alarm that can be used to make a call to an alarm centre in the event of a need or problem, i.e. a fall. The alarm centre then contacts family members or formal services. Social alarm services are often offered by municipalities, sometimes using their own call centre, or sometimes contracting this out to a private provider. Private sector companies may also offer this kind of service directly to older people and their families. Social alarms are generally considered as the 'first generation' of telecare. Although they have been in existence for a long time, and might be considered to be quite an old technology, they are often the baseline service on which more sophisticated telecare services are introduced.

The term 'second generation' of telecare is commonly used to describe a range of enhancements to the basic social alarm concept. Typical examples include the provision of various sensors within the home (such as fall detectors, bed or chair occupancy sensors, gas and flood detectors) that alert social care services in the event of a problem in the home. In addition, video-based or other remote social care to the home can also be considered to be forms of 'second generation' telecare.

More recently, solutions have emerged to employ technology for the purposes of anticipating problems before they arise in order to enable proactive and timely intervention. Examples of this include establishing personal behaviour patterns with the help of advanced monitoring technologies for the detection of various activities such as opening doors, abnormal water/electrical appliance usage and so on. Such applications have come to be known as 'lifestyle monitoring' with a view to enabling evidence-based risk assessment in cases of unusual behaviour on the part of clients. This is also known as 'third generation' telecare.

*\* excerpt from Summary Market Review of AAL*

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European Next Generation  
Ambient Assisted Living  
Innovation Alliance

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## News from AAL world

### **A digital future for healthcare-eHealth action plan 2012-2020**

*Putting patients in the driving seat: A digital future for healthcare*

The European Commission has unveiled an action plan to address barriers to the full use of digital solutions in Europe's healthcare systems. The goal is to improve healthcare for the benefit of patients, give patients more control of their care and bring down costs. While patients and health professionals are enthusiastically using telehealth solutions and millions of Europeans have downloaded smartphone apps to keep track of their health and wellbeing, digital healthcare has yet to reap its great potential to improve healthcare and generate efficiency savings. More info [here](#).

### **WeDO EU Quality framework for long-term care services**

The European Quality framework for long-term care services is the final output of the WeDO project. On 14<sup>th</sup> November 2012, there was the Final conference in the European Parliament. The conference was a good opportunity to provide an EU overview around long-term care and show the added value of the EU quality framework. The participants and speakers were very enthusiastic with the Quality framework. More info [here](#).

### **Results from the Goldenworkers project are available online!**

The main goal of Goldenworkers was to identify emerging technologies and socio-economic trends, new models of extending professional active life and novel application scenarios in the area of ICT for active ageing at work, leading to the definition of a beyond of the state-of-the-art research agenda, fully embraced by research and practice community. The final conference of the Goldenworkers project took place in Barcelona on 18<sup>th</sup> December 2012. More information about Goldenworkers results are available [here](#).

### **"Is AAL the Panacea for Ageing Population?"**

The DREAMING (eIDeRly-friEndly Alarm handling and MonitorING) project carried out randomized controlled trials across six pilot sites to assess the impact of tele-monitoring on the health and quality of life of older people with chronic health conditions living at home. DREAMING published the book "Is AAL the Panacea for Ageing Population?" that documents the clinical results of the quality of life and economic impact assessments, together with the outcome of the user satisfaction survey, and lessons learned, as well as guidelines for the deployment of tele-monitoring. More info [here](#).

### **Facts and figures on long-term care and healthy ageing**

The 2<sup>nd</sup> edition of the Facts and Figures on Healthy Ageing and Long-term Care provides information on the ageing phenomenon across the UNECE region. It covers data and information on demography, social situation of older people, health, informal care, migrant care workers, public long-term care policies and expenditure for the countries of the UNECE. More info [here](#).



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## AALIANCE2 Network: Take part in AAL Future!

AALIANCE2 Consortium is creating the AALIANCE2 Network, the network of AAL stakeholders will work to develop, exploit and deploy AAL services and technologies in order to improve wellbeing, quality of life and independence of European and elderly persons.

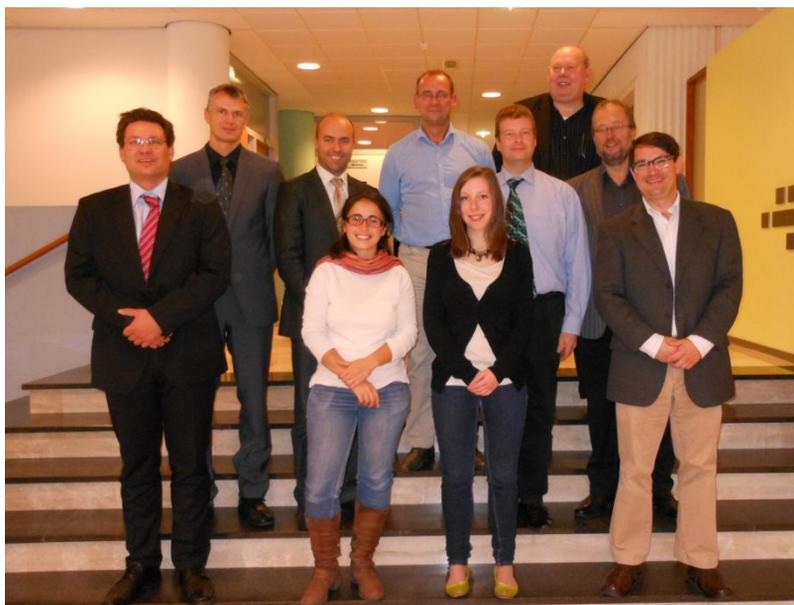
AALIANCE2 global Network will provide the opportunity to:

- connect stakeholders coming from different areas and countries;
- be informed and updated about events and opportunities related to AAL sectors;
- participate in workshops and studies dealing with critical issues for the diffusion of AAL services in real society and promoting innovative and effective solutions to the European Commission and AAL Community;
- delineate the future of AAL in Europe.

AALIANCE2 will work to make the AALIANCE2 Network a stable and self-sustainable network beyond the end of the project.

To take part in AAL future please join the AALIANCE2 Network!

For more information visit our website [www.aaliance.eu](http://www.aaliance.eu) and contact us.



## Join the AALIANCE2 Network!

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### More information

For more information please visit the the project website:

[www.aaliance.eu](http://www.aaliance.eu)

or contact the Project Coordinator, **Prof. Paolo Dario**, and the Project Manager, **Dr. Filippo Cavallo**, at SSSA:

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