



THEME DESCRIPTIONS

THEME 1: THE AAL CONTRIBUTION TO THE EUROPEAN STRATEGY ON ACTIVE AGEING

This theme aims to present how the main European Initiatives (e.g. EIT Health, EIP-AHA, AAL Association) are implementing action incentives related to Active Assisted Living, and how they are aligning their strategies to leverage Europe's competitiveness in that domain.

Proposed topics to debate in workshops:

- The AAL contribution to integrate health and social care
- The technology roadmap on the European initiatives
- Synergies between the main European initiatives (e.g. AAL Association, EIP-AHA, EIT, Health, Interreg, Covenant for Demographic Changes and RSCN)
- The contribution of AAL to move the blueprint forward so it can become reality
- The uniqueness of EIP AHA Reference Sites as innovative ecosystems, to promote the scaling-up of AAL Solutions

THEME 2: DEPLOYMENT OF AAL SOLUTIONS: INNOVATIVE FINANCIAL MODELS

This theme aims to present two complementary perspectives that are influencing the incorporation of AAL Solutions: the first is how Governments perceive the importance of AAL Solutions and subsequently how they are embedding these in the national health and social care systems (macro approach); and on the other hand, how the regional authorities, municipalities and service providers (micro approach), perceive the value of AAL Solutions and subsequently, how these are introduced in daily operations.

Proposed topics to debate in workshops:

- Large companies interested in broadening their scope (telecom, car, home, insurances);
- PPPs to support this alternative way
- Good practices of Pre-Commercial Procurements (PCP) and Public Procurement of Innovative Solutions (PPI)
- Shared savings (e.g. the Health Deal, Social Impact Bonds (SIB))
- Risk investment (nonprofit and for-profit ventures)
- Time banks (giving help to society now and getting it back when you are older)
- What do policy makers really need and want in order to offer the right environment for bringing assistive technology into use (e.g. regulatory aspects)?

THEME 3: INCREASING THE ADOPTION OF AAL SOLUTIONS

This theme aims to understand ways to achieve the adoption of AAL Solutions by focusing on the identification of the gap between user needs and AAL Solutions. It is important that AAL projects follow and understand the processes and activities that add value to the product and services, in order to meet the customers needs and expectations. The proposed workshop are expected to explore every step of this journey, looking for common reasons of rejection and adoption.

- What is holding stakeholders back from adopting technology?
- Biodesign - how to identify user needs (primary, secondary and tertiary end-users)
- Maslow's Hierarchy of Needs - what are the needs AAL solutions are addressing
- What is the perceived value and price elasticity of AAL Solutions:
 - Basic requirements of primary, secondary and tertiary end-users
 - Digital literacy (acceptance and understanding of the added value of technology by decision makers, professionals and users e.g. good practice of how a social care employer moved from traditional to digital training of their employees);
- Impact of ethical aspects
- Interoperability (the ability of different ICT systems to communicate)

THEME 4: ENHANCING IMPACT OF AAL PROJECTS

This theme aims to learn from the previous experience of successful cases, answering the question, "If our project started today, what we would do differently?". It will also address relevant inherent indicators to increase the impact of future AAL Solutions, taking into consideration good practice procedures from past experiences and AAL projects.

Open topics for projects.

Examples:

- Improving technical approaches to meet user expectations in AAL:
 - How to define better pilots for AAL projects
 - Evaluation methodologies
 - Indicators
 - How to define the number of users to involve in the pilot
 - Relevant outputs to prove the value of the new solution compared with the current approaches
- Requirements for data protection in different countries and markets



THEME 1

The AAL contribution to the European strategy on active ageing



THEME 2

Deployment of AAL solutions: Innovative financial models



THEME 3

Increasing the adoption of AAL solutions



THEME 4

Enhancing impact of AAL projects



PLENARY

MATCHMAKING

MONDAY, 2ND OCTOBER

17:00 -18:00	18:00 -19:00	19:00 -19:10	19:00 -19:45	19:45 - 21:30
Registration	OPENING CEREMONY Official Opening Speeches <i>Speakers:</i> AAL President - <i>Rafael de Andres Medina</i> IPN President- <i>Teresa Mendes</i> , Ministry of Science Technology and Higher Education - <i>Manuel Heitor</i>	Introduction to the Forum	Keynote 1	Cocktail and Fado Music

TUESDAY, 3RD OCTOBER

08:00 - 09:00

Opening doors

09:00 -10:30

W1

Definition of relevant future areas of life for the use of AAL Solutions in Europe | *Speakers: Felix Piazzolo, Judith Kathrein, Konstantin Seger*

Although AAL Solutions are intended to improve the quality of life for those using them, existing studies and project reports have mainly focused on the technical and feasibility aspects, with little research conducted on the impact of quality of life. Initial findings indicate a positive influence of AAL Solutions on various quality of life domains, particularly concerning social aspects. Therefore, in this session we will discuss further areas of life, which are and will become relevant for AAL, the effect that AAL Solutions have on different aspects of quality of life, and AAL scenarios that are important in this area of study.

W2

Hands-on practice of 'value proposition canvas' as a tool to develop innovative financial models | *Speakers: Alain Denis, Rik Wisselink, Ad Van Berlo*

This workshop will give you a hands-on experience of the 'value proposition canvas' tool. This will give you the confidence to apply the tool in your own project and build a more customer-oriented and innovative business model. You will apply the tool on ActiveAdvice (www.activeadvice.eu), a platform to bridge the gap between offer and demand of AAL products and services. It is an innovative service, creating value through the involvement of three different target groups: consumers, businesses and authorities (government). After discussions you will work in small groups of six participants to share and compare results together.

W3

Motivation Emotion and Assessment in serious games for dementia intervention | *Speakers: Mariella Panagl, Ernst Koster, Martijn Niessen*

Dementia is a broad category of neurocognitive disorders that cause long-term decline in the ability to think and remember, but that also involves emotional problems and a decrease in motivation. The impact of motivational support requires more investigation in the context of serious games, assistance in the psychosocial contexts, and substantial increase of activation, awareness, and positive stimulation for persons with dementia. Assessment in this context is relevant to make efficient use of the monitoring of consequences in daily life over longer periods of time. An overview on interdisciplinary expertise will be followed by an open session to enrich information exchange.

W4

Mobility Solutions – current research projects and how they enhance their impact | *Speakers: Christoph Stahl, Thibaud Latour, Christian Mandel*

Mobility is a key necessity for seniors to actively participate in social life. Diminished visual, physical and cognitive abilities can cause a loss of confidence and orientation that means people prefer to stay at home. The workshop aims to present current research activities on navigational aid and mobility assistance, focussing on (but not limited to) systems that address the special needs of seniors. We invite contributions related to a broad range of topics such as, public transportation services, orientation for indoor environments, and mobile emergency calls. Presentations may cover aspects of usability and/or technical advances in positioning, mapping, routing for example.

MATCHMAKING SESSIONS

10:30 -11:00

Coffee and refreshments

11:00 -12:30

PLENARY 1: PROS & CONS DEBATE

The AAL Solutions perceived value by suppliers, buyers and users | *Speakers: Sensara – Reinout Engelberts, Formal care givers (Caritas Portugal) – Carina Dantas, Regional Authority Galicia Region – Sonia Martinez Arca (individuo), Primary user (older adult) – Ton Koper – power Age, Care giver/secondary user (formal/informal) - Brigitte Buehrlen – WIR Stiftung-informal carer*

12:30 -14:00

Lunch break | Poster Sessions, Exhibition, Matchmaking

14:00 -15:30

W5

Bridges between Europe – Integrating health and social care towards innovation | *Speakers: Alexander Peine, João José Oliveira Malva, Alfonso Lara Montero*

Dementia is a broad category of neurocognitive disorders that cause long-term decline in the ability to think and remember, but that also involves emotional problems and a decrease in motivation. The impact of motivational support requires more investigation in the context of serious games, assistance in the psychosocial contexts, and substantial increase of activation, awareness, and positive stimulation for persons with dementia. Assessment in this context is relevant to make efficient use of the monitoring of consequences in daily life over longer periods of time. An overview on interdisciplinary expertise will be followed by an open session to enrich information exchange.

W6

New financial models from two very innovative projects for heart failure support: SmartBEAT and Do CHANGE | *Speakers: Linda Harnevo, Jose Cardoso, Ad van Berlo*

As value-based care replaces the fee-for-service model under healthcare plans, new innovative solutions start to emerge in order to boost the efficiency of the health system and empower patients to manage their own care. One of growing interest is the “shared savings” approach. The concept is fairly simple: if a healthcare system/provider reduces total healthcare expenditures with its patients, then the seller of the application causing this outcome is rewarded part of the savings. Also of interest is the financial innovation “Health Impact Bonds”: an instrument to avoid “wrong pocket” savings in which investors are solely paid based on outcome performance.

W7

How to get tailor-made AAL packages? | *Speakers: Urs Guggenbühl, Petra Friedrich, Isabella Hämmerle*

Within this workshop we will discuss, new approaches for the assembly (case-based selection and combination), personalisation (fine-tuning personal settings) and individualisation (application of adaption loops) of AAL solutions. We will present the first results from IBH (an association of 30 Universities around the Lake of Constance) Living Lab AAL, which was launched during the last AAL Forum in St. Gallen. The participants will be asked to discuss how they overcome challenges with the assembly, personalisation, and individualisation of AAL solutions. We will make use of “moderated discussion” as an instrument to lead different opinions towards a common understanding.

W8

Enhancing impact of AAL projects: Enhancing the social impact of AAL projects through the starting up of local communities and the cooperative model

Speakers: Louis Cousin, Marylo Verhagen, Lenka Christiaens

Community-based organisations including charities, volunteers’ initiatives, and cooperatives have a lot of experience in community mobilisation and social innovation. These organisations have a demonstrated the capacity to translate their members’ needs into collective actions and responses. On the other hand, technological innovation also creates new potentials for communities, enabling them to provide higher-quality care to elderly people, to lessen their social isolation and to create bonds among local inhabitants. This workshop will aim to enable the sharing of experience among AAL practitioners around two case studies, with an ambition to foster community-involvement approaches as a leverage for enhancing (social) benefits of AAL projects.

15:30 -16:00

Coffee and refreshments

16:00 -17:30

W9

Senior Centered IoT– A new challenge for Senior friendly habitats | Speakers: Matteo Zallio, John McGrory, Jane Zheng

Nowadays, with emerging technologies, connected devices and IoT-based appliances, we are living in a world where information and data represent a new, emerging business with increased security issues. Simultaneously, the lack of awareness that many seniors face when using new technologies and managing personal data, represent one of the major issues in the field of AAL. The workshop is based on a “Senior-Centred IoT Approach”, which is composed of four main topics that relate to users’ abilities: security and safety, technology and innovation, usability and interoperability, connectivity and smartness. The aim of the workshop will be to demystify technology issues, increase the awareness on data, IoT-based devices, user experience, and define the state-of-the-art on sensing technologies and ambient intelligence.

W10

Designing and adapting dementia friendly public spaces

We want to ensure a high level of safety and security for people with dementia (PWD) when they are present in public spaces, by creating a highly intelligent infrastructure in these spaces using state-of-the-art communication and sensory technology – imbedded in existing elements in the urban spaces. To certify our approach, we need to explore these topics: meaningful and targeted interaction between people with dementia, public space designs and technology, stakeholder motivation and commitment, legislation issues, data privacy vs. effectiveness, and spin-off opportunities for other interactive (public or commercial) services to ensure sustainability and effectiveness.

W11

Business Case – Validated methods for evaluating economic effects on assisted living technology | Speakers: Ivan Kjær Lauridsen, Simon Albertsen

A business case where a combination of various evaluation methods was used for validating effects regarding economy, citizen dignity and working environment on assisted living technology in a nursing home. A nursing home in Aarhus has been testing a range of different technologies that cover the areas of lifting, daily care, health evaluation, and other daily activities. The evaluation reveals several significant benefits both in relation to citizen dignity and the working environment of caregivers. In some cases, financial benefits can also be realised. The management team at Health & Care (Sundhed og Omsorg) in Aarhus Municipality has determined that several of the tested technologies should be implemented in all nursing homes.

W12

How to make the process of UCD easier in ALL projects: Increasing adoption through UCD | Speakers: Ana Margarida Leite de Almeida Ferreira, Soraia Teles de Sousa, Diotima Bertel

It is widely agreed that user-centred design (UCD) and participatory design (PD) are required approaches in the R&D for AAL Solutions. In spite of existing guidelines to support user involvement, usability and UX tests, namely with older adults, in practice, researchers and developers in this field face numerous challenges which need to be dealt in order to favour solutions uptake. This session builds on the work developed in the scope of the ActiveAdvice European project, which faced the challenge of integrating the interests and needs of three different stakeholders: clients, businesses and governments. It aims to gather insights, from the experiences and challenges posed to researchers and developers in the AAL field, about approaches to involve end-users and perform usability and UX tests with older adults. The collaborative discussion initiated in the workshop is expected to continue on time through the drafting and discussion of guidelines on how to make the process of UCD easier in AAL projects.

08:00 - 09:00

Opening doors

09:00 - 10:30

W13

Building trust and confidence in the performance of the AAL Marketplace | *Speakers: Djamel Khadraoui, Pierre Rossel, Marie-Laure Watrinet*

The objective in this session is, to highlight AAL domain activities and projects by addressing the challenges of increasing AAL adoption through a focus on product and service assessment traceable forms of quality assurance. Specifically, it will elaborate on exploring innovative AAL assessment methodologies, developmental reference frameworks, system and service ontologies and taxonomies. These framework tools can help characterise and connect diverse user demands with supply side innovation, and foster more collaborative and improvement-oriented processes for greater co-design approaches, enhance the provision of adaptable solutions better matching diverse needs, and show real capacities to adapt as the technologies and services, themselves, constantly evolve.

W14

Does the Robot Care? Increasing the Acceptance of Social Robots in Healthcare | *Speakers: Oliver Korn, Gerald Bieber, Anne Jacobsen*

Does the Robot Care? Perspectives on the Acceptance of Social Robots in Healthcare. There are several examples of innovative robots in care however, the actual use of them in the domains medical care and care for the elderly is scarce. Is this still due to technological problems – or do humans simply prefer care from fellow humans? What if these care robots were social robots, able to recognise a patient's emotions, responding properly to a depressed or cheerful patient? And is such a response ethically desirable – or is it unethical to make a machine simulate human understanding? These questions will be discussed in the workshop, based on an introduction showing best practices.

W15

Vision AAL beyond 2025 | *Speakers: Kurt Majcen, Christian Hartmann, Mike Dorst*

European societies are currently facing big challenges like climate change, digitisation and demographic change. Especially the latter, which will significantly influence our daily lives. Active and Assisted Living deals with many developments on how to assist primary, secondary and tertiary end-users in coping with these changes. The workshop intends to rethink if our current activities will lead us to where we want to be in about ten years from now. What will (assisted) living look like in 2025 and beyond? Which areas of daily life will be covered? What has to be done to achieve that?

W16

Voice to the users – is AAL already in your lives? | *Speakers: Carina Dantas, Julia Wadoux, Evangelia Chrysikou, Liz Mestheneos, Edmundo Martinho, Manuel Lopes, Rui Fiolhais, João Quintas*

Are users really benefiting from technological disruption and breakthroughs? While the AAL programme provides for high impact on older-person wellbeing, too often projects and good practices don't create roots in people's lives. The discussion intends to analyse the different possibilities that may explain this situation: are products adjusted to end-users needs? How are their requirements integrated from the development phase? Are national funding and public/private services integrating AAL solutions in their social and health care system? The objective of this session, mainly based on a discussion, is to improve the dialogue between the key actors in this process.

MATCHMAKING SESSIONS

10:30 -11:00

Coffee and refreshments

11:00 -12:30

PLENARY 2: HIGH LEVEL POLICY DEBATE

Active and Assistive Ageing in Europe | *Speakers:* EP: MEP of Active Ageing, Intergenerational Solidarity Intergroup, Lambert Van Nistelrooij

12:30 -14:00

Lunch break | Poster Sessions, Exhibition, Matchmaking

14:00 -15:30

W17

Pilot studies as enabler for the market introduction of AAL solutions | *Speakers:* Markus Garschall, Daniela Krainer, Nesrin Ates

Over the last years, a number of European research projects investigated the impact of assistive technology in pilot studies involving a high number of users. Overarching goals are to evaluate the impact of AAL in daily use and to develop go-to-market strategies. This session brings together representatives from European pilot regions (e.g. from Austria, Belgium and Italy) as well as interested participants from the AAL community. The focus will be put on exchanging experiences on the specific challenges related to planning, conducting and analysing large pilot studies in order to define better pilots and to demonstrate the impact of AAL on individual, societal and institutional level.

W18

Better education and understanding supporting increasing adoption of AAL Solutions in practice | *Speakers:* Maggie Ellis, Christiane Brockes

EKTG addressed these topics at the AAL Forum in Switzerland and elsewhere. Since then we have had closer collaboration with colleagues and now we want to extend those early initiatives to a wider Forum in Portugal. EKTG have reviewed the effects of financial stringency on the statutory bodies in Europe and beyond, the need for wider understanding of assistive living technologies, needs, and applications of practical cost effective services. This session will summarise cost effective Active Assisted Living, Digital Services, and Technology systems, their application, and identify specific education formats using AAL Forum participants. The main effort of this session will be spent matching opportunities offered by AAL Forum Solutions, the EU Blueprint and topics raised in earlier AAL events. We will also provide opportunities for education and training for these groups and how these can be launched speedily.

W19

RITMOCORE: A PPI promoting Risk sharing for home monitoring of Arrhythmias patients | *Speakers: Sofía Moreno Pérez, Ann Williams, Susana Bañó Oliva*

RITMOCORE, how to integrate more innovations with less money. RITMOCORE is an EU PPI exploring the path towards value-based health. ICT innovation could contribute to increasing wellbeing and sustainability but how can you open doors to innovation while budgetary restrictions increase? This session analyses real experiences of new purchasing models which open the door of public services to ICT innovations. The objectives are: to identify the key elements in innovation enabling purchasing methods; to identify other means like quality labelling, promoting safe adoption of ICT from citizens, coordinated with public health-care services.

W20

Adoption by joining forces, a clear vision, and eye for detail | *Speakers: Ilse Bierhoff, Peter Brils, Ingrid Adriaensen*

A key challenge for the silver economy and the adoption of AAL solutions is how to link the demand side with its major challenges and problems associated with an ageing population, and the supply side with its many innovative ideas and solutions. This workshop links the experiences gained in the long-term user trial in people's homes from VictoryaHome with the concept of accelerators used in the SEAS2Grow project and the role that public authorities can play as launching customer from the STOPandGO project. The focus of the workshop is on the details that make a certain initiative a success or a failure.

16:00 -17:30

W21

Changing Mindsets: New Approaches to AAL | *Speakers: Diane Whitehouse, Malcolm Fisk, Estelle Huchet*

This workshop draws on the work of the PROGRESSIVE project (on Standards around ICT for Active and Healthy Ageing). The AAL programme may at times have been trapped in old ways of thinking by focusing on 'delivering' solutions to perceived problems experienced by older people. Active and Healthy Ageing is, however, about older people engaged in the economic and social lives of their communities. This session looks at changing mindsets by presenting examples of AAL initiatives, facilitating a debate that will point to the new mindsets needed, and focus on the new types of language required to reflect this. The new language will underpin strategic thinking, policy initiatives, professional perspectives and practice, and impact on the kinds of standards that support the 'shape' and marketing of products and services. Standards are focal to the work of the PROGRESSIVE project. Examples of new directions in standards will be drawn from initiatives (within and outside the AAL programme) concerned with health data; telehealth and telecare services; robots; housing schemes; engagement and involvement of older people; and the ethics around care and empowerment.

W22

Creating need-based AAL bundles | *Speakers: Manfred Kofler, Alexander Gorich, Maximilian Bernard*

This workshop focuses on the needs of the elderly and how to bundle the right technologies to meet those needs. To match the right products the tAALxonomy is presented, and additionally an example bundle from the AAL JP project gAALaxy and the pilot region West-AAL. Resulting from the theoretical input, participants will define bundles in groups. The basis for the bundles is different personas, provided by us. As a outcome, the workshop will discuss the benefits based on the interoperability of the ICT-based solutions with the positive spill-over effects becoming much clearer.

W23**Market uptake of AAL solutions- new business models based on interoperable solutions | Speakers: Gil Gonçalves Javier Ganzarain, Cristina Machado Guimarães**

Innovative approaches, methods and solutions, including social innovations and ICT developments, are essential to support and enable people to live independently and to remain physically and mentally active as they age. Ageing people need to be empowered to stay independent, autonomous and socially engaged for longer within their homes and communities. However, a series of bottlenecks hamper the successful implementation of policies and innovative solutions to support this goal. This session will discuss innovative business models for the deployment and take-up of interoperable independent living solutions, which is the focus of the C2.5 group of the EIPonAHA Action Group C2.

W24**Creating the perfect AAL user journey: a design perspective on developing products people love to use | Speakers: Martijn Vastenburg, Priscilla Esser, Jan Keijzer**

Creating the perfect AAL user journey: a design perspective on developing products people love to use Participatory design techniques are used to ensure that AAL products properly address a real user need. Participatory design is, however, no guarantee to success. Whereas target users often value AAL innovations, adoption and active use tend to be a challenge. The workshop aims to change perspectives: what can we learn from service design methodologies in creating successful AAL innovations? And in particular: how can we create the perfect AAL user journey? The workshop starts with a general introduction of service design methodology and user journeys. Participants work in project groups on designing the perfect user journey for their AAL projects.

17:30 -19:00	19:00 -20:00	20:00 -24:00
Break, Apéro	FORUM CLOSING Summary AAL Forum: Hackathon Film and Award Giving; Next Forum and Closing AAL Forum 2017	Social Dinner and Party