

Overview

As the European population ages, more support is needed with fewer hands to cater for their needs.

The potential benefits of Ambient Assisted Living (AAL) solutions are already clearly recognised, and societal trends indicate that they will be attractive to a large and increasing number of people. But uptake of such solutions has so far been limited. universAAL aims to reduce barriers to adoption and to promote the development and widespread uptake of innovative AAL solutions. It will benefit end-users (i.e. elderly people and people with disabilities, their carers and family members) by making new solutions affordable, simple to configure, personalise and deploy. It will benefit solution providers by making it easier and cheaper to create innovative new AAL services or adapt existing ones using a compositional approach based on existing components, services and external systems.

Our vision is that it should be as simple for users to download and setup AAL services as it is to download and install software applications on a modern operating system. universAAL will establish a store providing plug-and-play AAL applications and services that support multiple execution platforms and can be deployed to various devices and users. Finally the allocation of local human resources is also supported in the store.

**One way to build them all,
One way to bind them;
One Store to save them all,
And help the users find them**

Consortium



Austrian Institute of Technology (AIT)



Centre for Research and Technology (CERTH)



Consiglio Nazionale delle Ricerche (CNR-ISTI)



Ericsson Nikola Tesla (ENT)

Ericsson Nikola Tesla



Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. - Institute for Computer Graphics Research IGD (Fh-IGD)



FZI Forschungszentrum Informatik (FZI)



IBM Israel - Science and Technology Ltd. (IBM)



Implemental Systems (IS)



Universidad Politécnica de Valencia (ITACA-UPV)



Philips Electronics Nederlands B.V. (Philips)



ProSyst Software GmbH (ProSyst)



Region Syddanmark (RSD)



TSB Tecnologías S.A. (TSB)



Technische Universität Wien (TUW)



Universidad Politécnica de Madrid (UPM)



DKE German Commission for Electrical, Electronic & Information Technologies of DIN and VDE (DKE)



STIFTELSEN SINTEF (SINTEF)

Joe Gorman - Project Coordinator

Tel.: +47 73 59 70 85

Email: joe.gorman@sintef.no



UNIVERSal open platform and
reference **Specification** for
Ambient Assisted Living

Grant agreement no: 247950



Developers Depot
Free resources and code samples to develop innovative AAL services



uStore
A global marketplace for vendors and a one-stop-shop for buyers of AAL services



AAL Showroom
Discover what our platform can do for you and your business



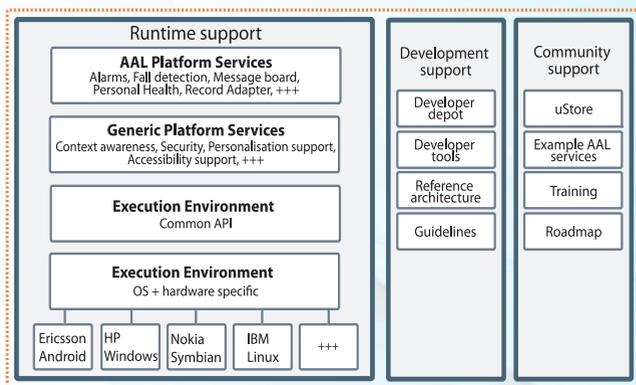
Project Description

universAAL aims to produce an open platform that provides a standardized approach making it technically feasible and economically viable to develop AAL solutions. The platform will be produced by a mixture of new development and consolidation of state-of-the-art results from existing initiatives.

Work on establishing and running a sustainable community will receive attention right from the start, with promotion of existing results gradually evolving into promotion of the universAAL platform, as it develops into one consolidated, validated and standardized European open AAL platform.

universAAL Platform

The universAAL platform consists of three main parts: the **runtime support**, the **development support** and the **community support**. Runtime support is a software environment that provides core AAL services for the execution of AAL applications. Development support includes documentation, tools and an online developer depot of various development resources. Community support includes training and an online uStore providing a one-stop-shop for AAL services and applications.



Objectives

- Develop a full **suite of software components** composing an environment for developing and running AAL applications, and gradually release them with a free / open source license during the project's lifetime.
- Design and establish the universAAL **developer depot**, an open collection of software components, development tools and documentation to ease the development and integration of AAL services
- Develop and promote the **uStore**, an online one-stop-shop where service providers can publish their services (hardware, software or human resources) and users can find them.
- Design the platform to be open, and allow interoperability with existing systems/other domains.
- Carry out support activities promoting widespread acceptance and adoption of the platform.
- Demonstrate the practical usefulness of the approach using a set of proof-of-concept scenarios.



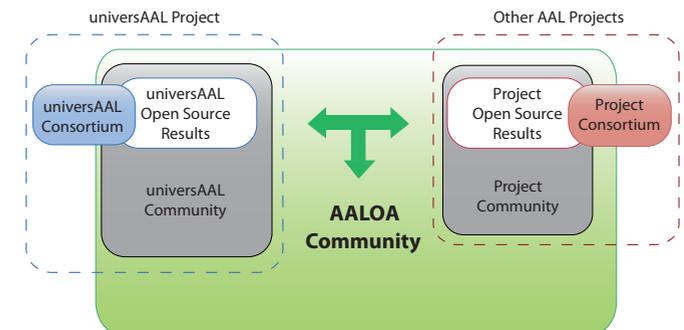
Ensuring Wide, Continuing Impact

We aim to have an impact that extends well beyond the project partnership, and continues after the project itself has been completed.

As part of our strategy for achieving this, we seek (in co-operation with other projects) to create AALOA- an AAL Open Association. The idea is to create a non-profit AAL organisation open to individuals, institutions and industry. It will provide a meeting point able to catalyse interest and efforts around AAL, promote standardization and identify key areas of research.

AALOA will build on the legacies of a number of EU projects devoted to production of AAL software infrastructures (including PERSONA, MonAMI, OASIS, SOPRANO, and MPOWER), and on universAAL itself.

universAAL will play a key role in the establishment and initial operation of AALOA, with the aim of attracting developers, technology companies and service providers.



Project ID Card

Full name: **UNIVERSal open platform and reference Specification for Ambient Assisted Living**

Project reference: 247950

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