

Aml-11 Workshop: Integration of AMI and AAL Platforms in the Future Internet Platform Initiative

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Abstract. The digital agenda of the European Commission includes plans for the building of Information and Communication Technology (ICT) based on a new generation of networks, or the Internet of the Future. To this end, the Future Internet Public Private Partnership programme (FI-PPP) has been established with the help of the European Commission. It will involve the building of a proof of concept FI platform in the coming two years. One of the main challenges of this platform is to be generic while serving the needs of specific application sectors. This workshop will focus on the challenges of integrating Ambient Intelligence (AmI) and Ambient Assisted Living (AAL) platforms with this kind of platform. Participants in the workshop will include members of the AmI/AAL platform community, members of the FI community, and policy makers.

Keywords: Ambient Intelligence, Ambient Assisted Living, Future Internet, Platforms.

Workshop Context

In March 2008, the ICT community in Europe produced the Bled declaration calling for a concerted European action to redesign the Internet [1]. The result was the Future Internet Public Private Partnership programme (FI-PPP) [2] which is coordinated by the CONCORD facilitation project [12]. It includes three phases as shown in Figure 1 and will involve a public budget of 300 MEuro. The first phase started in April 2010 and consists of a technology foundation project focusing on the provision of an FI platform that will be used by up to eight use case scenario projects. The second phase will focus on further validation of this platform through five use case scenario pilots. The third phase will be dedicated to the expansion and enlargement of many test beds and pilots.

Ambient Assisted Living refers to “intelligent systems that will assist elderly individuals for a better, healthier and safer life in the preferred living environment and covers concepts, products and services that interlink and improve new technologies and the social environment” [3]. AAL is supported by the European Commission's ageing well action plan [4] as well as a series of measures that involve more than one billion Euros in research and development between 2006 and 2013. Realising that many collaborative projects were dedicating resources to the development of platform features, the European Commission decided in 2009 to launch a call for proposals for the development of a common platform. This led to UniversAAL, an FP7 project [5] which is now coordinating AALOA, an initiative for an open source platform [6]. In parallel, work related to accessibility has led to the launch of the OpenURC initiative [7].

AAL is a compelling use case scenario for the Future Internet. Furthermore, the AAL community has accumulated a wealth of platform requirements [8,9] that could directly benefit the Future Internet. The vision of the FI-PPP is that the technology foundation project will provide generic enablers which would be associated with specific enablers developed within a domain to allow for the design, development and deployment of applications. The AAL community has substantial know-how and understanding on platform enablers. The question is, can the FI-PPP enablers be used in the AAL domain?

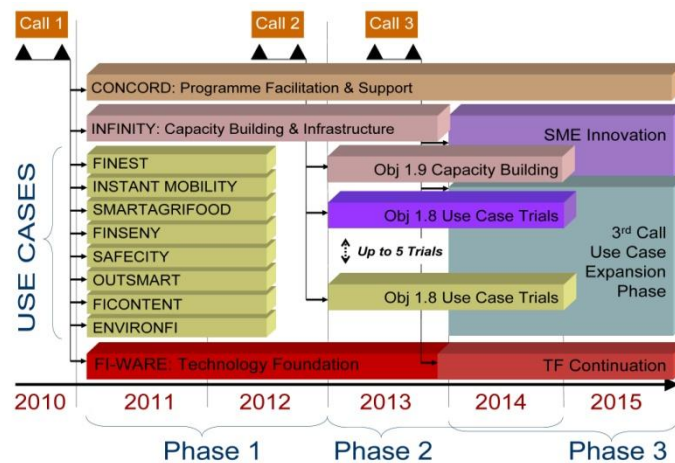


Figure 1: FI-PPP Phases.

Beyond the realm of technical integration, the FI-PPP and AAL communities share the same development priorities: smartness, sustainability and inclusiveness, as well as similar social, regulatory, and economic implementation barriers. This workshop discusses joint methodologies and instruments for collaborative research, development and innovation contributing to the European growth strategy. Such methods include user driven open innovation, public sector innovation, policy coordination methods, as well as living lab experimentation.

Workshop Content

This workshop will focus on the challenges of integrating AmI and AAL platforms with the FI-PPP initiative. In this respect, the workshop provides information on concrete means to engage with FI-PPP future calls and experiments, either as a user or as a co-developer.

A second objective is to explore the opportunities for joint statements and declarations addressing the grand societal challenges of aging, e-inclusion and e-competences, as well as the implementation of the Digital Agenda strategy [13].

The following topics will be discussed:

- Architecture of an FI platform and challenges from an FI viewpoint.
- Architecture of existing and future AmI/AAL platforms and challenges from an AmI/AAL viewpoint.
- How can integration take place? What are the hurdles?
- What are the means of experimentation? Can AAL be a usage area for the Future Internet?
- What is the impact of evaluation? How can we move towards a European digital single market?
- Identification of measures and instruments.
- Actions.

Participants of the workshop will include members of the AmI/AAL platform community, members of the FI community, and policy makers.

Workshop Registration

It is possible to register for the conference, a workshop, or both. Registration for the workshop is mandatory for participants, presenters and panelists. The registration fees are the following:

- Non-Student
 - € 100.00 Early Registration (by 22 August 2011)
 - € 150.00 Late Registration
 - € 200.00 Onsite Registration
- Student
 - € 75.00 Early Registration (by 22 August 2011)
 - € 100.00 Late Registration
 - € 150.00 Onsite Registration

For more details, visit <http://www.ami-11.org/attending>

Workshop Agenda

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9:00	Welcome & Introduction
9:15	Session 1: Ambient Assisted Living (AAL) <i>Chaired by Atta Badii (University of Reading)</i>
9:15	User needs: video “Charlie and Marie: A Tale of Ageing” (The Young Foundation). <i>Statement from Liz Mestheneos (Age Platform)</i>
9:30	AAL applications: the case of Healthlab and Express to Connect. <i>Ger Baron, Martijn Kriens (Amsterdam Innovation Motor), Sabine Wildevuur (Waag Society)</i>
10:00	AAL R&D and technology enablers: the AALOA initiative. <i>Francesco Furfari (CNR-ISTI)</i>
10:20	European policies for AAL: potential socio-economic impact, potential barriers, measures, governance, the Lecce Declaration. <i>Antonio Kung (Trialog)</i>
10:30	Q & A
10:45	Break
11:00	Session 2: Future Internet (FI) <i>Chaired by Mikko Rieppula (Aalto University)</i>
11:00	FI initiative. <i>Mikko Rieppula (Aalto University)</i>
11:15	FI technology enablers. <i>Thierry Nagellen (Orange Labs / FI-WARE project)</i>
11:35	FI applications. <i>Josema Cavanillas (Atos Origin)</i>
12:05	European policies for FI: potential socio-economic impact, potential barriers, measures, governance. <i>Takis Damaskopoulos (EIIR)</i>
12:15	Q & A
12:30	Lunch
13:30	Panel 1: AAL and FI Communities Joining Forces: Technical Aspects <i>Chaired by Saied Tazari (Fraunhofer-IGD)</i> Participants: <i>universAAL Representative: Francesco Furfari (CNR/ISTI), URC representative: Jan Alexandersson (DFKI), FI-WARE representative: Thierry Nagellen (Orange Labs / FI-WARE project)</i>
	Integrating AAL technology enablers with the FI technology enablers.
	How can AAL applications take advantage of the FI technology enablers?
	Creating a bridge between AAL applications and other applications.
14:45	Break
15:00	Panel 2: AAL and FI Communities Joining Forces: Opportunities <i>Chaired by Antonio Kung (Trialog)</i> . Participants: <i>Ana Garcia (ENoLL), Martin Potts (Martel / INFINITY project), Blanca Jordan Rodriguez (Atos / e-Health), Gaby Lenhart (ETSI), Thierry Nagellen (Orange Labs / FI-WARE project), Saied Tazari (Fraunhofer-IGD / AALOA)</i>
	Towards a common roadmap: ecosystem building, common interoperability platform
	The role of standardization during ecosystem building
	The role of living labs during ecosystem building, in particular on the use of common platforms
	Integrating AAL and eHealth in an Active Healthy Ageing (AHA) undertaking
	Towards an MoU between the FI-PPP and AAL communities
	Short term (≈ 2 years) liaison actions
16:15	Conclusions & actions. <i>Antonio Kung (Trialog)</i>
16:45	Adjourn

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