



Prosperity 4All

Dear Reader,

Welcome to the second newsletter of **Prosperity4All** project. We will be glad to answer any of your questions and also to hear your ideas.

In this newsletter, we describe our first annual plenary meeting, the most relevant results achieved in the last six months, our latest publications and the events we will be taking part of. We invite you to get engaged with the P4A.

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This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement no 610510.



First annual face to face plenary meeting

During 11 to 13 of February the first P4A's annual plenary meeting took place in IAT University of Stuttgart. In the two day face to face encounter, partners presented their latest work on the project.

The meeting started with an overview of P4A and other initiatives such as Cloud4all and overall the GPII infrastructure.

"It takes a lot of pieces to make a car simple to operate. We are not looking at one part but to the entire chain."

These initiatives ("pieces") are all part of the broad GPII effort to ensure that everyone who faces accessibility barriers due to disability, literacy, digital literacy, or aging, regardless of

economic resources, can access and use Internet technology to access information, communities, devices and services for education, employment, daily living, civic participation, health, and safety.



Gregg Vanderheiden and Matthias Peissner

The next session focused on the economic model to optimize the **Prosperity4All** infrastructure, including the requirements for initiating and concluding a transaction in the P4A framework.

During the afternoon a developers' fair exercise was organised. On one side, 2 minute sales pitches were made for each infrastructure, component or service that **Prosperity4All** is developing (Sp2) as well as the automatic personalization preferences developed in Cloud4All. These included what exists already that can be used by developers, and what will be delivered in the future.

This was matched by presentations on real world applications (SP3) that will be testing the applicability and usefulness of the technology infrastructure, and the **Prosperity4All** ecosystem as a whole. After the presentations an open fair was organised with SP3 developers "shopping" SP2 booths for ideas and tools to help them. The session was organised this way to cover the project's overall objective of addressing from the beginning the needs of real stakeholders.



Preparing an open fair booth



Two minute pitch presentation.



Open fair booth demo.

The second day's meeting was centered on the P4A's Developer Space. During the previous six months the team has been collecting and posting developers' resources in the project's wiki ([go to wiki](#)).

In this first stage, the developer Space's main focus is to provide resources to the developers within the project. The long-term goal is for the DSpace to be an international resource center for building accessible applications targeted to mainstream and AT developers.

The closing session focused on management aspects, P4A's ethical approach and standardisation ([go to standardisation roadmap](#)).

Achievements so far

During the last six months progress has been made in: P4A's architecture and applications, a standardisation roadmap, and an evaluation framework for evaluation. Some examples:

1. Talk: framework and components for low digital literacy

Framework and Components for Low Digital Literacy provides guidelines and a set of related HTML components that can be used to provide access to those with low digital literacy or cognitive disabilities. Designed to be used in stepping stone services that can have varying levels of complexity.

- Provides a set of "easy access" media and communications components
- Configurable via declarative markup and APIs
- Support stepping stone access to allow graduated complexity of UI
- Provides a reference for creating similar components and apps that use them
- Allow rapid prototyping and experimentation in effective UIs
- Compatibility with GPII automatic personalisation

Current status is a prototype of many parts in Mozilla XUL ([Maavis](#)) and the HTMLEasyOne communicator. Next steps are to setup the project in GitHub and start coding with early release in 6 months.

2. Assistance-on-Demand service platform

The AoD design is ready and its development has been initiated. AoD platform will exploit the P4A security and payment infrastructures and will also be connected with the crowd-funding platform. The first (limited functionality) version will be available April 2015 while the complete platform will be ready in Spring 2016. ([Link to more information](#)).

3. Standardisation roadmap

International standards are an important foundation for technological progress and interoperability. In order to make the GPII technology available to everyone, we need to pollinate existing and emerging international standards with the seeds of personalized user interfaces based on personal preference sets.

In general, P4A's **top-level goals** are:

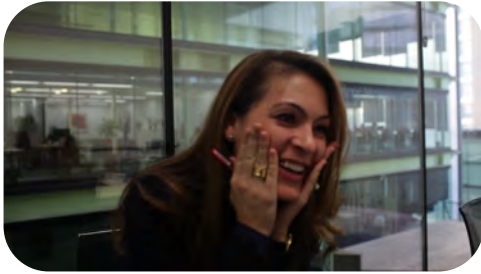
1. Reuse existing standards and technologies (in particular by mainstream), wherever possible.
2. Develop and validate new standards on GPII technologies, wherever necessary.
3. Work towards harmonization, adoption and inclusion of the GPII standards in standardization, industry, research and governments.

Every activity for standardization within P4A will aim to one of these top-level goals, at least, ([link to more information](#)).

4. Evaluation framework and technical validation

The evaluation framework is a human-centered design methodology encompassing aspects from traditional usability testing and market-oriented perspectives based on the business scenarios and demand-supply chains as defined in the economic model. Evaluation activities will be carried out with implementers, end-users and stakeholders, and impact assessment. Four partners will be holding test sites and allocate participants following the evaluation plan in Spain, Austria, Germany and Greece.

P4A Stories, m-health specialist



Bárbara Vallespin, Manager of the mHealth Competence Center at Mobile World Capital shares with P4A her vision on mobile technologies and the future of the health care system.

“One of the major challenges in all countries is to figure a solution. Elders cannot interact in the same way with technologies as young people do.”

Prosperity4All develops the infrastructure and ecosystem that will allow for a ubiquitous auto-personalization of interfaces and materials, based on user needs and preferences, to grow (promote self-rewarding collaboration, reduce redundant development, lower costs, increase market reach and penetration internationally).

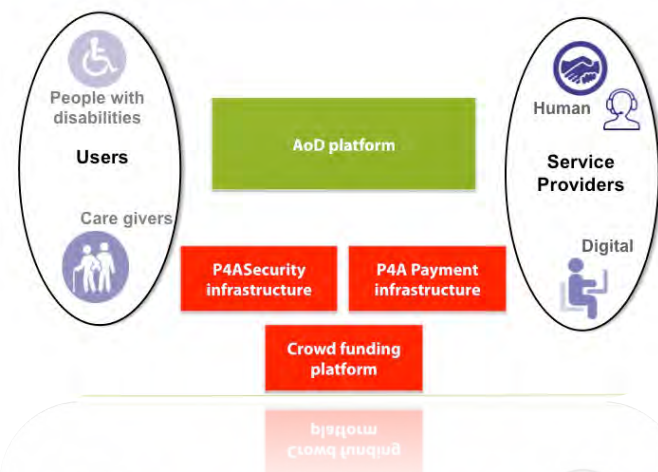
“A big change on the health care system as we understand it today is taking place. We have to provide tools for the citizens to Access the future system.”



Check our [video interviews](#) P4A Stories and share your story!

Assistance on demand service platform

Prosperity 4All AoD: a generic open source infrastructure for Assistance Services
Brings closer those in need of assistance with those providing it



*Assistance on Demand platform.
Connecting users and service providers*

Partner SingularLogic is developing the GPII Assistance on Demand Platform which aims to ease people with disabilities search and find the service that better fits their needs. AoD platform aspires to service people with disabilities of any kind and persons with low levels of digital literacy, even if they form small groups (the tails of the tail). It offers a very easy-to-use interface both for service registration and service search accompanied by a multi-modal technical support.

Currently, the basic AoD design is ready and its development has been initiated. AoD platform will exploit the P4A security and payment infrastructures and will also be connected with the crowd-funding platform.

SELECTED PUBLICATION

“Towards Universally Usable Smart Homes – How can MyUI, URC and openHAB contribute to an Adaptive User Interface Platform?”

Within the Seventh International Conference on Advances in Human-oriented and Personalized Mechanisms, Technologies, and Services (CENTRIC 2014), authors Smirek, Zimmerman and Ziegler published “Towards Universally Usable Smart Homes – How can MyUI, URC and openHAB contribute to an Adaptive User Interface Platform?”

The paper presents criteria for the provision of universal usability in Smart Homes, based on Schneiderman’s research agenda on universal usability for web and other services.

Three established frameworks – MyUI, Universal Remote Console (URC) and openHAB – are examined as to how they can contribute to an adaptive user interface platform for Smart Homes. Three possible architectures will be presented on how the three frameworks can be integrated to achieve maximum benefit for the user. The Global Public Inclusive Infrastructure (GPII) approach is proposed for accommodating personal user preferences in Smart Homes.

[Go to Prosperity4All Publications](#)

EVENTS



Prosperity4All in AAATE 2015 Conference (9-12 September). Scientific excellence is on top of the Conference’s agenda. Prosperity4All will be organizing a session showcasing the latest project’s outcomes.

Come join us in AAATE. Follow us on [twitter](#) for the latest news on our participation.



DRT4ALL Congress is a window to the future. Its main goal is getting to know about the latest advances in ICT supporting independent living of people with functional limitations, and to demonstrate how these technologies can work together in order to help people with disabilities and the elderly lead a better life, and to achieve a full integration into society.



M-Enabling Russia 2015 will take place on May 13th at the Renaissance Moscow Monarch Centre Hotel. The conference and showcase offers an overview of solutions to ensure that senior citizens, persons with disabilities and users of all abilities can enjoy the benefits of mobile telephony and data services while securing greater equity among citizens.

Get involved in Prosperity4All

Product or
Service developer

Researchers

Public and
Policymakers

Developers

Prosperity4All cannot be a reality without your participation. Have your say!
<http://www.prosperity4all.eu>

Follow us on Twitter [@p4allnews](https://twitter.com/p4allnews)



If you are a developer:

Join GPII wiki: wiki.gpii.net

Online version of this newsletter is available in the Project website: www.prosperity4all.eu

Project details

Project acronym: Prosperity4All

Project full title: Ecosystem infrastructure for Smart and Personalized inclusion and prosperity

For all stakeholders

Project reference: 610510

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