



Ecosystem infrastructure for smart and personalised inclusion  
and PROSPERITY for ALL stakeholders

## **D405.1 Demonstration kit**

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3	30/03/2017	Eleni Chalkia	CERTH	Final version of the Deliverable with the comments of the peer reviewers incorporated.

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## Executive Summary

This Deliverable's scope is to present the status and the plans of the demonstration activities of Prosperity4all project. The P4A demonstration kit is a demo and this report is a document that accompanies it. At the current report we describe the objectives and scope that are covered by the development of the demonstration kit in Section 1.1. Additionally, what is included in the demonstration kit is described in Section 2 and presented in details, from the scenario that has been formulated, as well as the DS demonstration kit place in the project dissemination channels in Section 3. Finally, since this is the first step of the demonstration kit, the next steps in order to reach the final version are described in Section 4.

# 1 Contribution to the global architecture

## 1.1 Objectives and scope

This Deliverable's scope is to present the status and the plans of the demonstration activities of Prosperity4all project. The Prosperity4all demonstration plan is defined in order to inform key stakeholders, and attract interest from outside the project consortium. The plan aims to identify and bring forward Prosperity4all which lend themselves to be demonstrated to the public. The target audiences for demonstration include:

1. Mainstream companies seeking to build accessibility features into their products
2. Assistive technology companies
3. Individual developers of all types; students, researchers, hackers, and prosumers, etc.
4. Consumers, clinicians and others who have intimate knowledge of the problems and constraints needed to develop new solutions but may not have thought of themselves as developers, or have not had a venue to participate in the development process.
5. Researchers, algorithm specialists, and others who have specialized knowledge that could be of use in creating new types of solutions but who do not want to try to create entire solutions themselves.

Furthermore, the demonstration plan outlines various types of demo approaches and an initial schedule in order to optimally demonstrate the individual Prosperity4all SP2 & SP3 developments. The purpose of showcasing Prosperity4all demos is to market the project, to spark discussions with interested parties, to recruit affiliates, and allow stakeholders to provide feedback and evaluate the various aspects of the project.

## 2 What is included in the demonstration kit

The 1<sup>st</sup> version of the P4A demonstration kit includes selected s/w components from the Prosperity4All infrastructure. It is self-contained and can be used both for presentations at conferences and fairs as well as for distribution to interested entities.

This 1<sup>st</sup> version of the demonstration kit includes the following:

- [Assistant on Demand platform module<sup>1</sup>](#)
- [Camera mouse module integration by Guadal and Lifetool<sup>2</sup>](#)
- [Camera mouse module integration in Guadalinfo \(Ubuntu\)<sup>3</sup>](#)
- [Flashwords game with Camera mouse module and Accelerometer sensor module integration<sup>4</sup>](#)
- [The Asterics Camera Mouse solution<sup>5</sup>](#)
- DeveloperSpace demo kit<sup>6</sup>

All the aforementioned can be reached from the user either from the P4A YouTube channel, the P4A website or the DeveloperSpace showcases tab.

<sup>1</sup> [https://www.youtube.com/watch?v=DXs\\_hnAUcGs&t=3s](https://www.youtube.com/watch?v=DXs_hnAUcGs&t=3s)

<sup>2</sup> <https://www.youtube.com/watch?v=o0BYMnerv1A&t=1s>

<sup>3</sup> <https://www.youtube.com/watch?v=of0643WQ85Q&t=1s>

<sup>4</sup> <https://www.youtube.com/watch?v=oD9PK0P9xd8&t=47s>

<sup>5</sup> <https://www.youtube.com/watch?v=8eKsY2Ztv14&t=29s>

<sup>6</sup> "Hypnothis" Kevin MacLeod (incompetech.com)

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## 3 DeveloperSpace demonstration kit

### 3.1 Scenario

In order to create a demonstration of the available functions of the DeveloperSpace a scenario has been developed. The scenario is the following.

Prosperity4All project, comes to remind everyone that the infrastructure cannot work unless all of the players involved in it can prosper. The purpose of Prosperity4All is to build the part of the GPIII that makes it easier for developers, consumers, and others to work together to create new, better, and/or less expensive solutions, and to be able to market them internationally.

#### 1. Introduction

This part of GPII is called the DeveloperSpace. The DeveloperSpace acts as the central location or connection point for all of the different services, tools, and resources for the developers.

The DeveloperSpace is targeting five types of developers:

1. Mainstream companies seeking to build accessibility features into their products.
2. Assistive technology companies.
3. Individual developers of all types; students, researchers, hackers, and prosumers, etc.
4. Consumers, clinicians and others who have intimate knowledge of the problems and constraints needed to develop new solutions but may not have thought of themselves as developers, or have not had a venue to participate in the development process.
5. Researchers, algorithm specialists, and others who have specialized knowledge that could be of use in creating new types of solutions but who do not want to try to create entire solutions themselves.

You can visit DeveloperSpace by clicking on this link <http://staging.developerspace.gpii.net/>.

#### 2. Creating an account

Before entering you have to make a request for credentials.

- Click, "I want to create an account".
- Enter the user name you prefer making sure that you don't use any punctuation except from periods, hyphens, apostrophes, and underscores.
- Insert a valid e-mail address. All e-mails from the system will be sent to this address. The e-mail address is not made public and will only be used if you wish to receive a new password or wish to receive certain news or notifications by e-mail.
- Re-type your e-mail address to confirm it is accurate.
- Provide a password for the new account in both fields. Password must be at least 8 characters.
- Click on "Create new account".

- When your request reaches the administrator, you will receive an email that will say “Thank you for registering at GPII DeveloperSpace. Your application for an account is currently pending approval. Once it has been approved, you will receive another e-mail containing information about how to log in, set your password, and other details.”
- Once your request is being accepted your account at GPII DeveloperSpace will be activated. A link will be provided to you with an email and you can use this link only once to log in and will lead you to a page where you can set your password.
- After logging in you can navigate to the DeveloperSpace.

### **3. Searching for resources**

The RESOURCE space provides information, answers, training materials, research, statistics, standards, inclusive business models, and other types of information that can help people who are new to the field, or just looking for answers, to locate the information, answers, or training resources they seek.

If you are new to accessibility design and want to find tips and guidelines to quickly check if the UI components of your application are accessible. You can search GPII DeveloperSpace for quick tips and standards about checking the accessibility of UI components by checking the Quicksheets tab. There, you can see if your UI is accessible by checking the list of questions that is available there and also find and see the Type 1 - ACCESS ESSENTIALS.

If you are the head of the University's IT department and you have taken up a huge project to make accessible many resources in the library, GPII DeveloperSpace can help you make resources (e.g. books) accessible to physically impaired students. You visit GPII DeveloperSpace because you want to download it and any related documentation. In the Tutorial section you can Learn from experts and community members or spread your own knowledge! So, you go there and see the AsTeRICS Camera Mouse Model Creation - Step by Step.

You are a mainstream developer with very little experience in accessibility. You want to find information and guides about accessibility testing and for making accessible products. Use our book library to research and find the specific information you are looking for. You can start with information about Designing for People with Functional Limitations and also Accessible Standardized Testing.

### **4. Searching for components**

You are an AT developer and interested to integrate FlipMouse to your drawing software for users with severe upper body impairment but first you want to find out more about the quality of this hardware product. Or you are working as an IT technician at a University accessibility lab and a colleague told you that he has already developed an accessible product that is almost finished developing and is presented at GPII DeveloperSpace. You



want to check it out! You can visit our components tab and check all the available components there.

### **5. Using an accessibility Tool**

You are a freelance AT developer and you have taken up the task to test the accessibility of a client's website. You can visit the developer tools tab and use one of the proposed validators to achieve it.

### **6. Selecting a Challenge**

You are a freelance AT developer that is currently looking for a new paid online side-project that is not very demanding, as you are already very involved in another large scale project. You want to find a new project that you can take up and fits your expertise. You can visit our challenges tab and upvote any challenge that fits your expertise.

## **3.2 DeveloperSpace demonstration kit place**

The DeveloperSpace demonstration is part on the P4A demonstration kit and can be reached through the P4A youtube channel, available at <https://www.youtube.com/channel/UCB6gAwX1s6xcrGMBb6MGnaQ>. Additionally, the DeveloperSpace demonstration kit, as well as all the SP2 tools demonstrations are available at <http://staging.developerspace.gpii.net/categories/success-stories>.

## 4 Next steps

P4A demonstration kit will be finalised in when both DeveloperSpace and UnifiedListing will be deployed to public, at the end of the project. The plan is to include more complex scenarios of the DeveloperSpace, using personas from D103.1 as well as, integrating possible scenarios from D203.1 Integrated Runtime Environment Use-Case Scenarios. Additionally, the final demokit will include demonstrations from the use of most SP2 tools in SP3 implementations, demonstrations of all functions and parts of DS functions and parts as well as the same for UnifiedListing. However, still structural, menu, content and other major developments and implementations are currently happening that we have to wait for finalisation of major SP2 user and developer facing tools before creating final versions of demos.

The final demonstration kit will be a seamless tool every user can use in presentations at conferences and fairs in order to showcase P4A developments.

## Annex I: Glossary

Abbreviation	Full form
<b>API</b>	Application Program Interface
<b>AsteRICS</b>	Assistive Technology Rapid Integration & Construction Set
<b>AT</b>	Assistive Technology
<b>D</b>	Deliverable
<b>DS</b>	DeveloperSpace
<b>GPII</b>	Global Public Inclusive Infrastructure
<b>P4A</b>	Prosperity4all
<b>UI</b>	User Interface
<b>UX</b>	User Experience
<b>WP</b>	Work Package