

SELFSUSTAINED CROSS-BORDER CUSTOMIZED CYBERPHYSICAL SYSTEM EXPERIMENTS FOR CAPACITY BUILDING AMONG EUROPEAN STAKEHOLDERS

Research Innovation Action

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DELIVERABLE 2.1

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Abstract

The scope of Deliverable D2.1 is to present the structure and the functionalities of SMART4ALL's public website. For this, the sitemap is detailed, and the relevant screenshots are presented. Finally, the KPI's monitoring microsite is presented.

History and Contributors

Ver	Date	Description	Contributors
00	5/03/2020	Document structure	UoP
01	15/3/2020	Aggregation of all contributions to be included	All Contributors
02/D	20/3/2020	Circulate the first complete version of document for internal review	UoP
03/R	25/3/2020	Comments received from internal reviewers	PSP, TUD
04/E	26/3/2020	Final version completed	UoP

Executive Summary

Deliverable 2.1 reports on the work performed in WP2 "Promotion, Outreach, and Advertising" with respect to the design, development and actual deployment of the **SMART4ALL Website** to public use. Based on the dissemination strategy foreseen within the whole project, **SMART4ALL** website is acknowledged as the main online presentation and dissemination instrument, which is expected to serve the WP2 objectives by progressively evolving into an information exchange and collaboration portal where stakeholders will actively contribute on **SMART4ALL**. The report moves on by giving a summary of the project website, its structure and its main features, both in terms of back-end and frontend. The present document is also accompanied by a set of screenshots, for a more comprehensive presentation of the website.

This deliverable includes also other dissemination channels that enable active and constant presence of the project in social media (Facebook, Twitter and YouTube, for the time being).

Finally, the KPI collection and monitoring microsite is detailed, presenting a holistic framework for quality assurance and project management purposes.

Abbreviations and Acronyms

Abbreviation	Explanation
API	Application Programming Interface
CMS	Content Management System
KPI	Key Performance Indicator

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1 Introduction

1.1 Purpose and Scope

SMART4ALL website is the key communication instrument for the dissemination and communication of information related to the project. The site will combine project information, news, events, public results, and it will also offer added-value services such as newsletters, publications, as well as notice to related news, events and projects. Additionally, the website is foreseen to be accessible and easy-to-use, empowered by social features to trigger communication among stakeholders, with special focus on application experiments, with links to the project's social media, and/or other communication options, facilitating thus, the exchange of information among project partners, stakeholders and wider public.

As the dissemination via social media is nowadays inevitable in order to increase information about the **SMART4ALL** project, the focus will be pointed on three social media accounts: Facebook, Twitter and YouTube to reach out to the project's target group.

The primary aim of social media is to provide a community where users share; this situation creates a permanent record of the user's activity and is visible to the whole network. The partners, in the near future, will be asked to continuously communicate and share activities and issues that can be used for **SMART4ALL** dissemination material.

2 Public Site

2.1 Purpose and Scope

The **SMART4ALL** website provides access to all public information concerning the project, including the scope of the project, upcoming open calls and material required by participants, partners' information, project news and events, contact details, etc.

The Web site can be accessed at

https://smart4all-project.eu/

The website also hosts all public deliverables for the public record, as well as dissemination material (i.e., conference and journal publications) and supporting material (i.e. media kit).

2.2 Sitemap

The sitemap of the website, which will be detailed in the following subsections is shown in Figure 1.

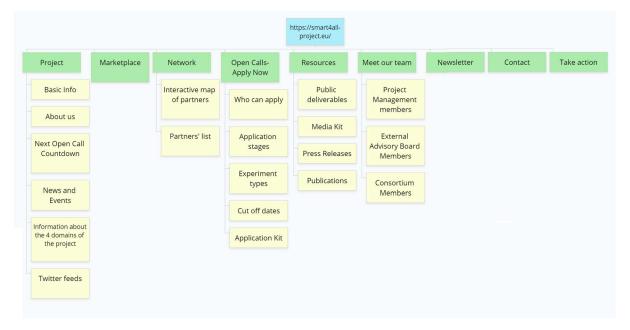


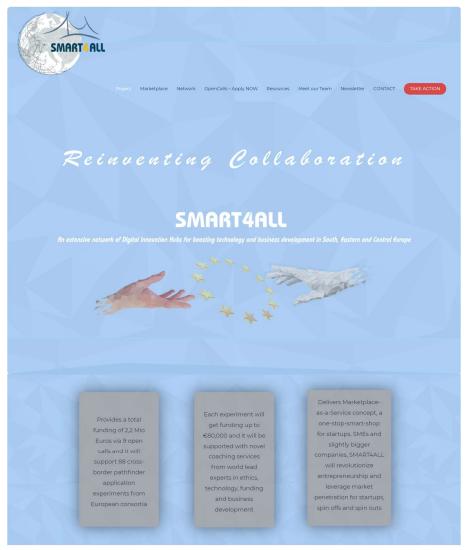
Figure 1: website's sitemap

2.3 Technical details

The hosting server of the website is based on Linux based Apache, while the Content Management System (CMS) type is based on WordPress. Finally, the KPI collecting and monitoring microsite is based on Python Dash library and incorporates several APIs, like WordPress API and the Twitter API.

2.4 Project

The "Project" page is divided in 6 sections. The first section includes the logo of the site, a horizontal main menu and three tiles describing the basic concepts of the project. In the "About us" section there is a description of who participates in the project, the scope of the project and how it will be accomplished. In the third section a countdown to the next open call is shown. These two sections are shown in *Figure 2* below.



ABOUT US





Figure 2: The first three sections of the main page

The next three sections of the main page (*Figure 3*) include the news and events, a video showing information about the 4 domains of the project (i.e., digitized transport, digitized environment, digitized agriculture and digitized everything) and the feeds of the project's twitter account. The project's twitter account is: https://twitter.com/Smart_4All

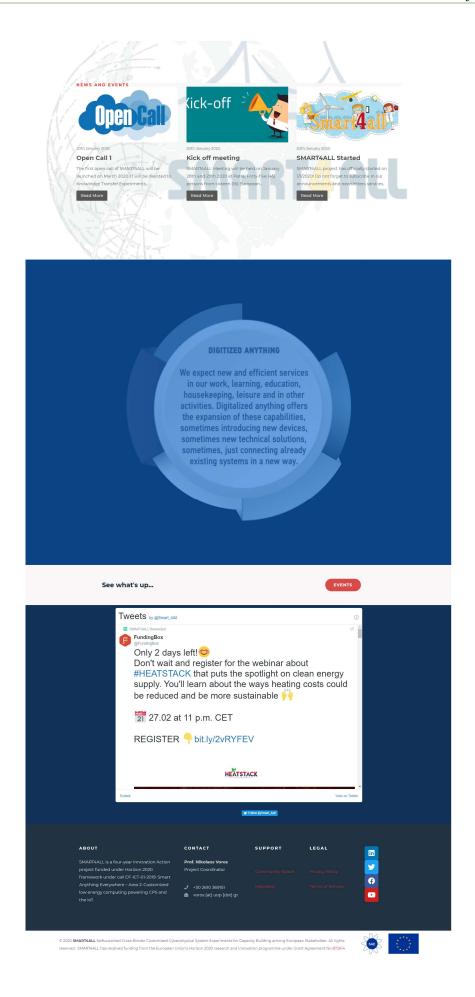


Figure 3: The last three sections of the main page

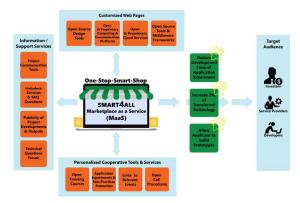
2.5 Marketplace

The marketplace web page describes the concept of the marketplace-as-a-service using an image showing the types services that will be uploaded, the benefits of the marketplace and the target audience.



SMART4ALL offers a unique concept called Marketplace-as-a-Service (MaaS).

MaaS is the key differentiator of SMART4ALL from existing approaches since it reduces the development effort, e.g. to move from an idea to a prototype, required by startups/SMEs/mid-caps that develop products for digitized transport, digitized agriculture, digitized environment and digitized anything markets.



SMART4ALL MaaS includes cloud services, related platforms, tools and middleware frameworks, and design service facilities mainly focusing on open-source technologies. Moreover, services (customized to the four thematic pillars of the project) are included in the MaaS e.g., personalized links to relevant events, customized web pages, and matchmaking (technology suppliers-technology receivers) activities.

SMART4ALL MaaS is also, a unique one-stop-smart-shop for experts and non-expert third-parties seeking (open-source mainly) ICT technologies that will reduce the development time of startup/SME/mid-cap that is doing business in one of the four SMART4ALL thematic areas.

For startups and SMEs, SMART4ALL through MaaS offers a bouquet of services called Prepare for Growth, comprising a set of open-source project and product management tools, tools for creating and maintaining business plans and financial tracking tools.



Figure 4: The marketplace web page

2.6 Network

The network web page has two parts. First there is a map with the location of the consortium members' premises, developed with the mapbox¹ platfom. A floating menu on top of the map allows visitors to filter partners based on the respective project domain, or alternatively to show all partners of the project. The pins that represent project partners are clickable and the name and the logo is shown when it is clicked. We have also used mapbox clusters to group nearby partners depending on zoom level. The map is shown in *Figure 5*.

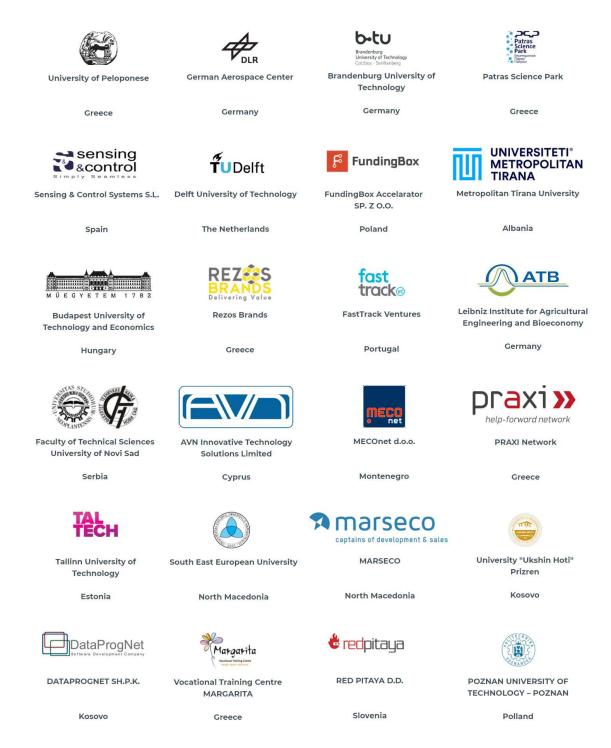


Figure 5: The partners' map

The second section of the network page, shown in *Figure 6* shows all partners with clickable logos that link to their webpage.

-

¹ www.mapbox.com





Polytechnic University of Valencia

Spain

Figure 6: The partners' names and logos

2.7 Open Calls-Apply Now

This page presents in a graphical way all the information regarding the open call submission procedure. Specifically, it presents in a tabular mode who is eligible to apply, the application stages, the important dates and the experiment types that must be done from the accepted open call applications. The web page is shown in *Figure 7*.



Figure 7: The open calls web page

2.8 Resources

Figure 8 shows the Resources page where all the important material concerning the project will be uploaded; this includes public deliverables, a media kit, the press releases and the publications.

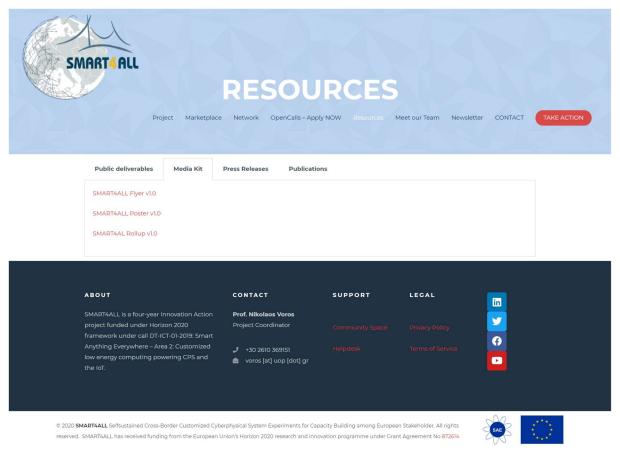


Figure 8: The resources web page

2.9 Meet our team

In the next page (Figure 9) all project members are shown in a tabular form. The first tab presents the project management members with a picture and contact details (email, LinkedIn account and telephone number) for each one. The second tab presents the external advisory members with a picture and the LinkedIn account for each one and the third tab shows the logos and names of the consortium members.

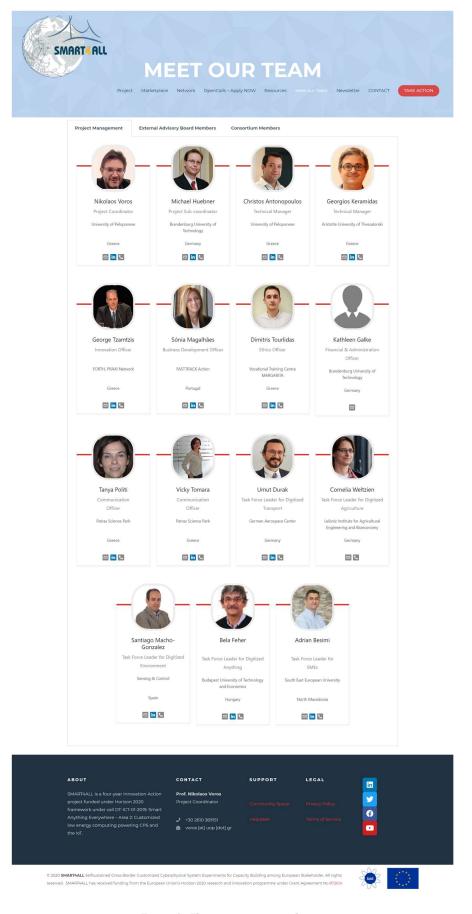


Figure 9: The meet our team web page

2.10 Newsletter

This page shows the newsletter form where anyone can subscribe providing the necessary information as shown in *Figure 10*.

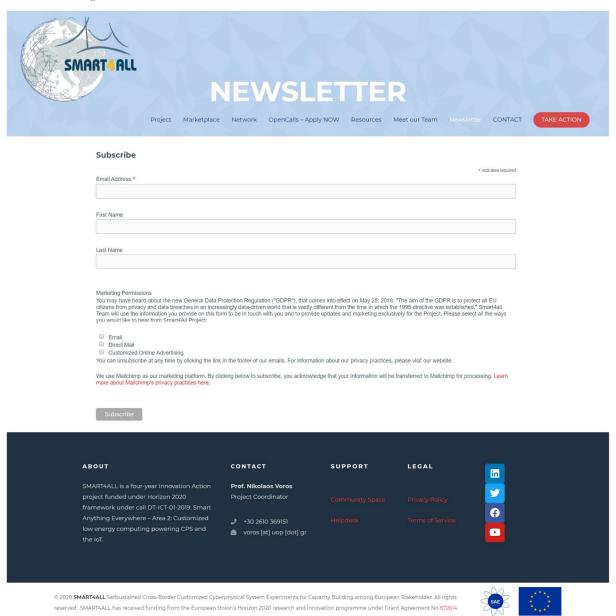


Figure 10: The newsletter web page

2.11 Contact

The contact web page shows the project contact information and follows the typical format as shown in *Figure 11*.



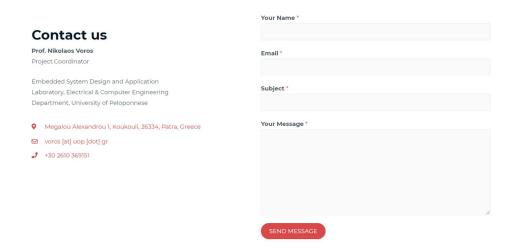




Figure 11: The contact web page

2.12 Take action

Finally, the take action web page (Figure 12) guides users in a step-by-step process to apply in the available open calls.



Figure 12: The open call application web page

3 KPIS MONITORING

A dashboard where project partners and third parties can keep track of the progress made through the project's Key Performance Indicators (KPIs) has been designed and developed. In the first page we can see all the KPIs related to objective 1: "To bring innovative CLEC CPS and the IoT technologies to underrepresented business sectors". Where applicable the KPIs are automatically updated via appropriate APIs (e.g., project's twitter activity). The microsite is available in https://dashboard.smart4all-project.eu/.

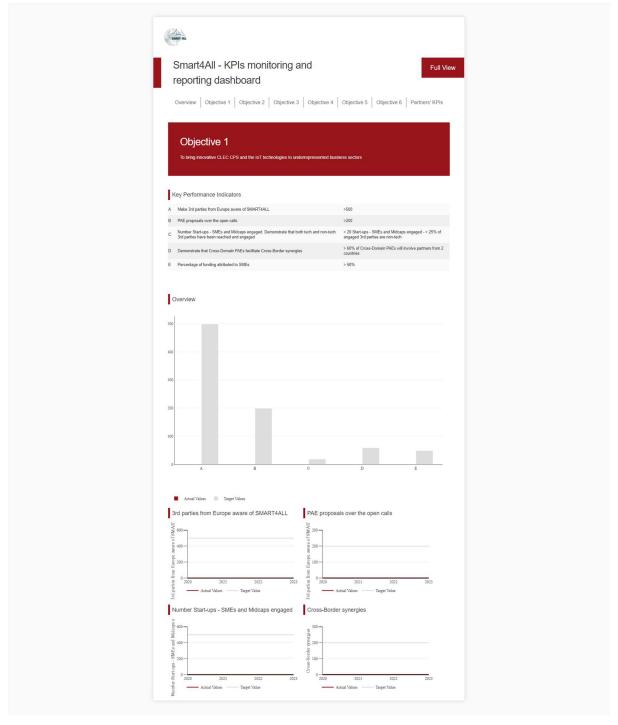


Figure 13: The objective 1 KPIs

In the second page we can see the KPIs related to objective 2: "Unlock South-Eastern parties' potentials through links to investors across value chains and regions in order to accelerate CLEC CPS/IoT solutions development and industrialization"

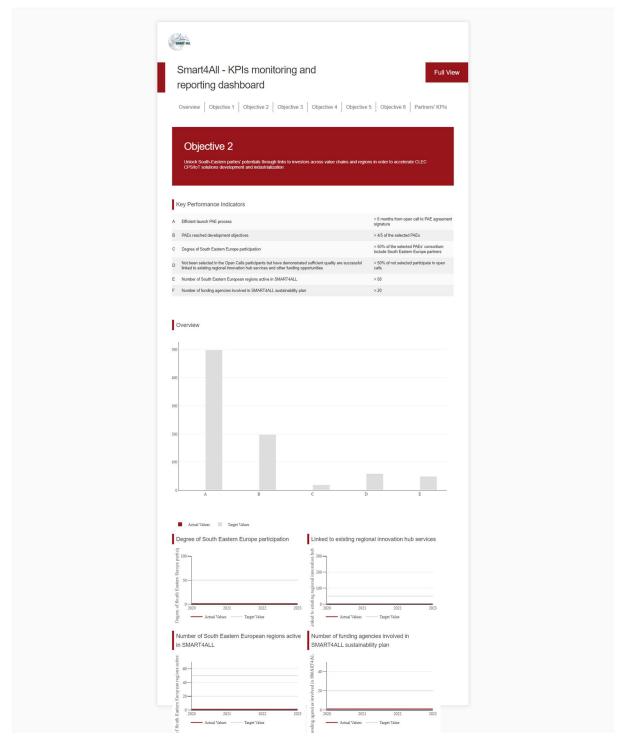


Figure 14: The objective 2 KPIs

Next page shows the KPIs related to objective 3: "Develop/offer novel tools to boost the use of CLEC CPS and the IoT technologies Europewide"

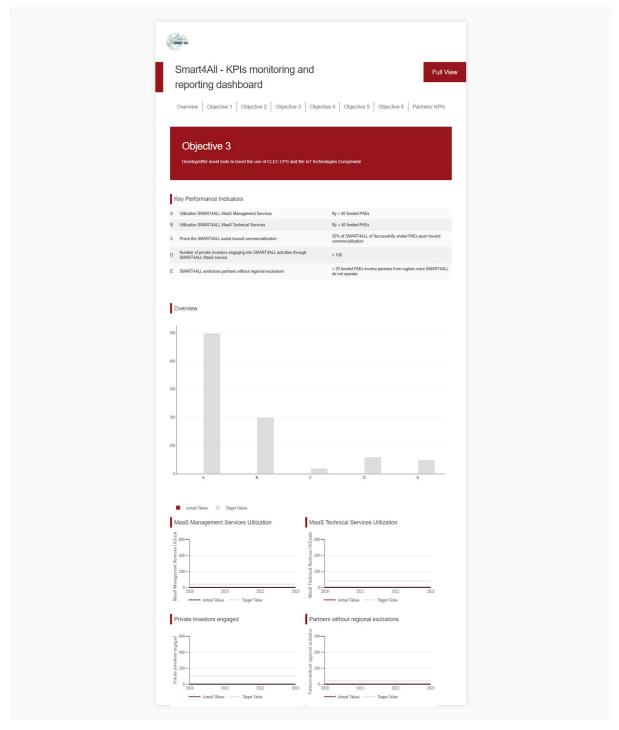


Figure 15: The objective 3 KPIs

In the fourth page we can see the KPIs related to objective 4: "To ensure post-project sustainability and growth of the SMART4ALL experiments and DIHs cluster"

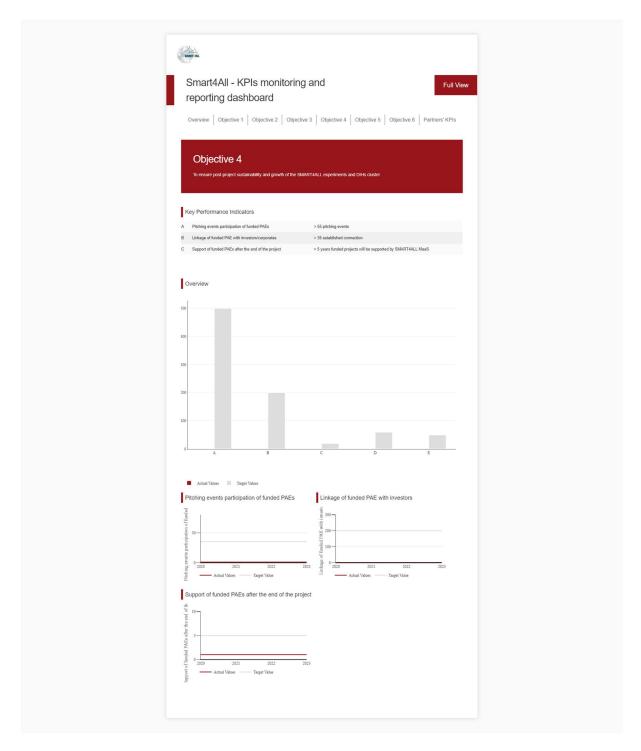


Figure 16: The objective 4 KPIs

In the fifth page we can see the KPIs related to objective 5: "To bring innovative CLEC CPS and the IoT technologies in the lives of sensitive social groups"

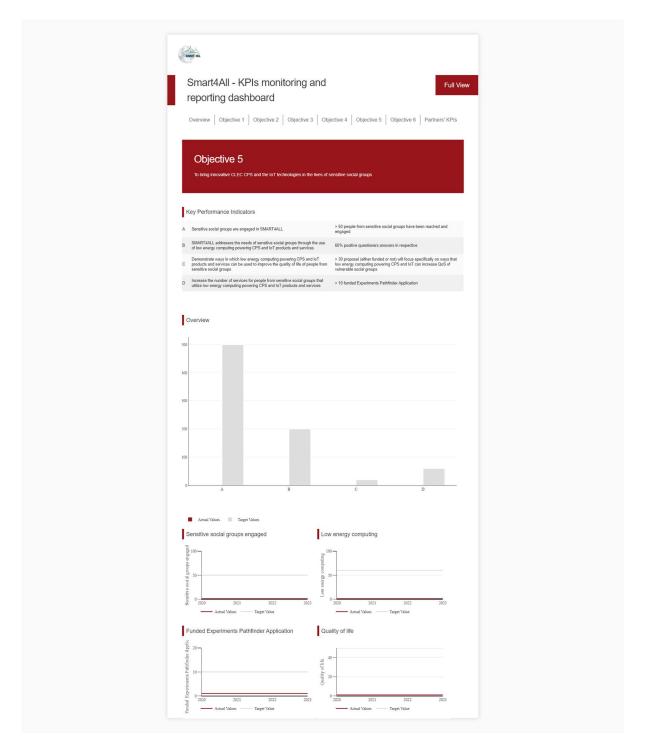


Figure 17: The objective 5 KPIs

Next page shows the KPIs related to objective 6: "To support Digital Skills & Jobs policy of European Commission"

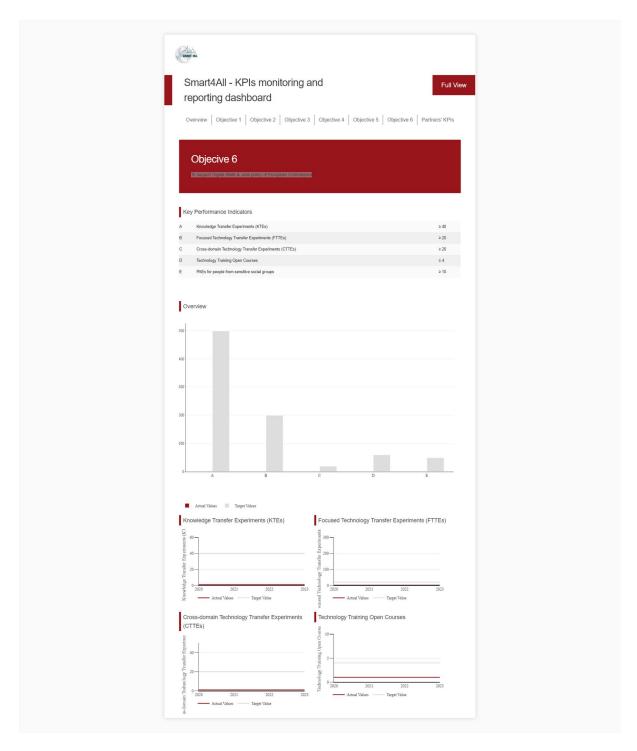


Figure 18: The objective 6 KPIs

Finally, we can see the KPIs related to all partners activity.

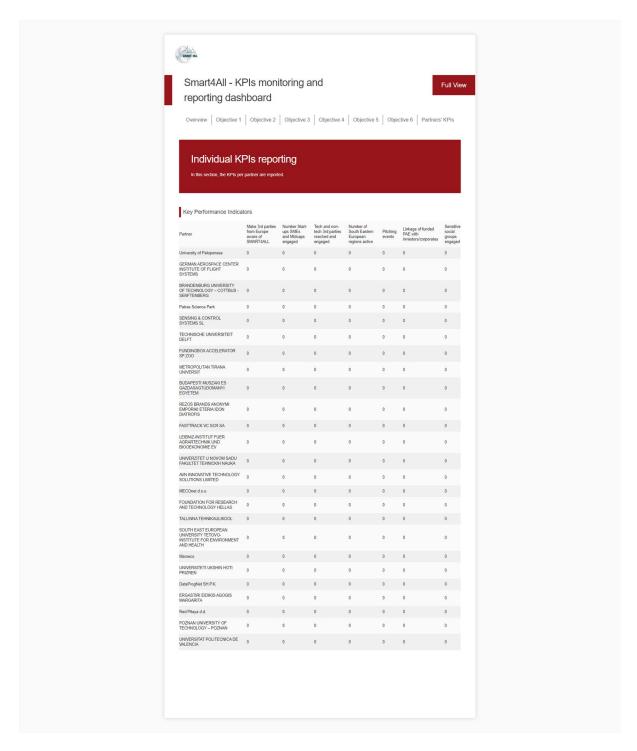


Figure 19: The partners KPIs

4 CONCLUSION

The Project website has been created at the beginning of the project activities – February 2020. It is available at the link https://smart4all-project.eu/. The project website is intended as a first point of contact for people who are interested in getting involved in the application experiments and the open calls of the project It will also serve as a portal for information on project events and provides the possibility of making contact with the participants of the project in order to solicit further information or create synergies with the activities of other organizations. The website will be regularly updated with information and news relevant to SMART4ALL ecosystem. Finally, the KPI collection and monitoring microsite is detailed, presenting a holistic framework for quality assurance and project management purposes.