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**Research and Innovation Action**



**CleAnweb Gamified Energy Disaggregation**



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## **D5.1 Project web portal**

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## **Executive Summary**

This deliverable documents the creation of the initial version of the project website. The website will be updated during the project lifetime, to document progress and tailor the message to the various project phases.

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## 1 Introduction

This deliverable presents the creation of the project website that will be used for the project communication and dissemination and will promote the visibility of the project and its results.

## 2 ChArGED Website

The ChArGED website has been designed, provisioned and deployed on the internet. It has been designed to quickly and schematically (where possible) address the key questions that external visitors are expecting from the website, including what the project is about, what it is delivering and why, who is participating, any additional details regarding communication (internal and external) and dissemination and who can be contacted, in case more information is needed.

The project website will continuously evolve and develop as the project itself matures. A dedicated server provisioning solution has been adopted to deliver flexibility and choose the most appropriate tools and technologies to support the future website needs.

### 2.1 Domain Name

The project domain name was selected to be <http://www.charged-project.eu/>.

### 2.2 Initial Content

In order to provide a useful and relevant website even in advance of a comprehensive dissemination requirements analysis and subsequent dissemination plan, it was decided that the initial version of the project website would be a traditional static website addressing the predicted immediate needs of interested external stakeholders. Following a review of similar project websites and a discussion within the consortium, the website was conceived to answer key questions that researchers, technology experts, analysts, industry, academia and other stakeholders could be expected to have.

#### 2.2.1 “Home” page

The “Home” page has the objective to briefly introduce the project, welcome visitors to the website, provide key facts about the project and links to all issues/subjects addressed by the ChArGED project. Moreover, it gives the project some context by referring to the funding programme and related organisations. The initial “Home” page is reproduced in Figure 1, Figure 2 and Figure 3. As presented in the figures, links to most of the project subpages are available, including the ChArGED consortium partners’ descriptions; thus making navigation throughout the website even more practical and easier. Links to the Twitter and LinkedIn accounts of the ChArGED project are also visible at the Header and Footer of the “Home” page.

#### 2.2.2 “About ChArGED” page

“About ChArGED” page hosts all informative subpages of the project, including the Objectives, Publications and Media info. This page is reproduced in Figure 4.

#### 2.2.3 “News and Events” page

The “News and Events” page is reproduced in Figure 5.

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## 2.3 Browser Compatibility/ Analytics

To maximise visibility the website was designed to render appropriately in all common web browsers on all common operating systems. These included various versions of the Firefox\*, Internet Explorer and Safari browsers on the Linux, Apple MAC OS X and Microsoft Windows families of operating systems.

To help understand the usage of the website, the website was registered with the open source analytics tool "AWSTATS". This will allow rich reports to be run on the website, giving a very clear picture of information such as how many users are visiting the site, what links and pages are more popular than others, which countries are users coming from.

Some summary information available via AWSTATS of the project is illustrated in Figure 6 below.





Home About ChArGED Technical Framework Pilots News & Events Related Projects



The Project

Energy efficiency and reductions of wasted energy in public buildings.

[More info >](#)



Technical Framework

Demanding and challenging integration of ICT and Gateways.

[More info >](#)



Pilot Experiments

3 Pilot Experiments in existing buildings in 3 countries.

[More info >](#)

NEWS



MNHA pilot visit in Luxembourg

May 04, 16 0 comments

Representatives from ED and AU EB visited on the 4th of May the National Museum...  
[Read more](#)

EVENTS

TWEETS

H2020\_CHARGED



**H2020\_CHARGED** 6 days 16 min ago  
@H2020\_CHARGED  
RT @EFFRA\_Live: #WMF16 has concluded. Congratulations to

Figure 1 ChArGED. "Home" page 1/3

NEWS



MNHA pilot visit in Luxembourg

May 04, 16 0 comments

Representatives from ED and AU EB visited on the 4th of May the National Museum...  
[Read more](#)



First pilot visit at DAEM

Apr 01, 16 0 comments

On 1st April representatives from ED, PLEGMA and AU EB visited DAEM premises (...)  
[Read more](#)

EVENTS

TWEETS

H2020\_CHARGED



**H2020\_CHARGED** 6 days 16 min ago  
@H2020\_CHARGED  
RT @EFFRA\_Live: #WMF16 has concluded. Congratulations to @taischarco, @IMS\_ORG, @dan\_nagy & their team on a very successful event  
<https://t.co/tGnVMNUkeg>

H2020\_CHARGED



**H2020\_CHARGED** 6 days 17 min ago  
@H2020\_CHARGED  
Pilot visit @ National Museum of History and Art in Luxembourg on 4th May. <https://t.co/DKGXsRDcX5>

Figure 2 ChArGED. "Home" page 2/3

PROJECT PARTNERS



Figure 3 ChArGED. "Home" page 3/3

ChArGED addresses the energy consumption in public buildings and proposes a framework that aims to facilitate achieving greater energy efficiency and reductions of wasted energy in public buildings. The framework leverages IoT enabled, low-cost devices (NFC or iBeacons) to improve energy disaggregation mechanisms that provide energy use and -consequently- wastages at the device, area and end user level. These wastages are targeted by a gamified application that feeds personalized real-time recommendations to each individual end user. The design of the game follows a cleanweb approach and implements a novel social innovation process that is designed based on human incentives factors and helps users to understand the environmental implications of their actions and adopt a greener, more active and responsible behaviour. Efficient energy use renders its consumption predictable and this is exploited by the ChArGED gamified application to optimize use of the micro-generated energy.



Figure 4 "About ChArGED" page



H2020\_CHARGED



**H2020\_CHARGED** @H2020\_CHARGED

6 days 1 hour ago

RT @EFFRA\_Live: #WMF16 has concluded. Congratulations to @taischmarco, @IMS\_ORG, @dan\_nagy & their team on a very successful event <https://t.co/tGnVMNUkeg>

H2020\_CHARGED



**H2020\_CHARGED** @H2020\_CHARGED

6 days 1 hour ago

Pilot visit @ National Museum of History and Art in Luxembourg on 4th May. <https://t.co/DKGXsRDcX5>

H2020\_CHARGED



**H2020\_CHARGED** @H2020\_CHARGED

6 days 1 hour ago

First pilot visit at DAEM <https://t.co/CFkRjFivB>

H2020\_CHARGED



**H2020\_CHARGED** @H2020\_CHARGED

6 days 1 hour ago

Kick off meeting @ Athens - Mati, Day-2 <https://t.co/HNmDoceKLW>

H2020\_CHARGED



**H2020\_CHARGED** @H2020\_CHARGED

6 days 1 hour ago

RT @EFFRA\_Live: #WMF16 has concluded. Congratulations to @taischmarco, @IMS\_ORG, @dan\_nagy & their team on a very successful event <https://t.co/tGnVMNUkeg>

H2020\_CHARGED



**H2020\_CHARGED** @H2020\_CHARGED

6 days 1 hour ago

Testing twitter web-site integration.

*Figure 5 "News & Events" page*

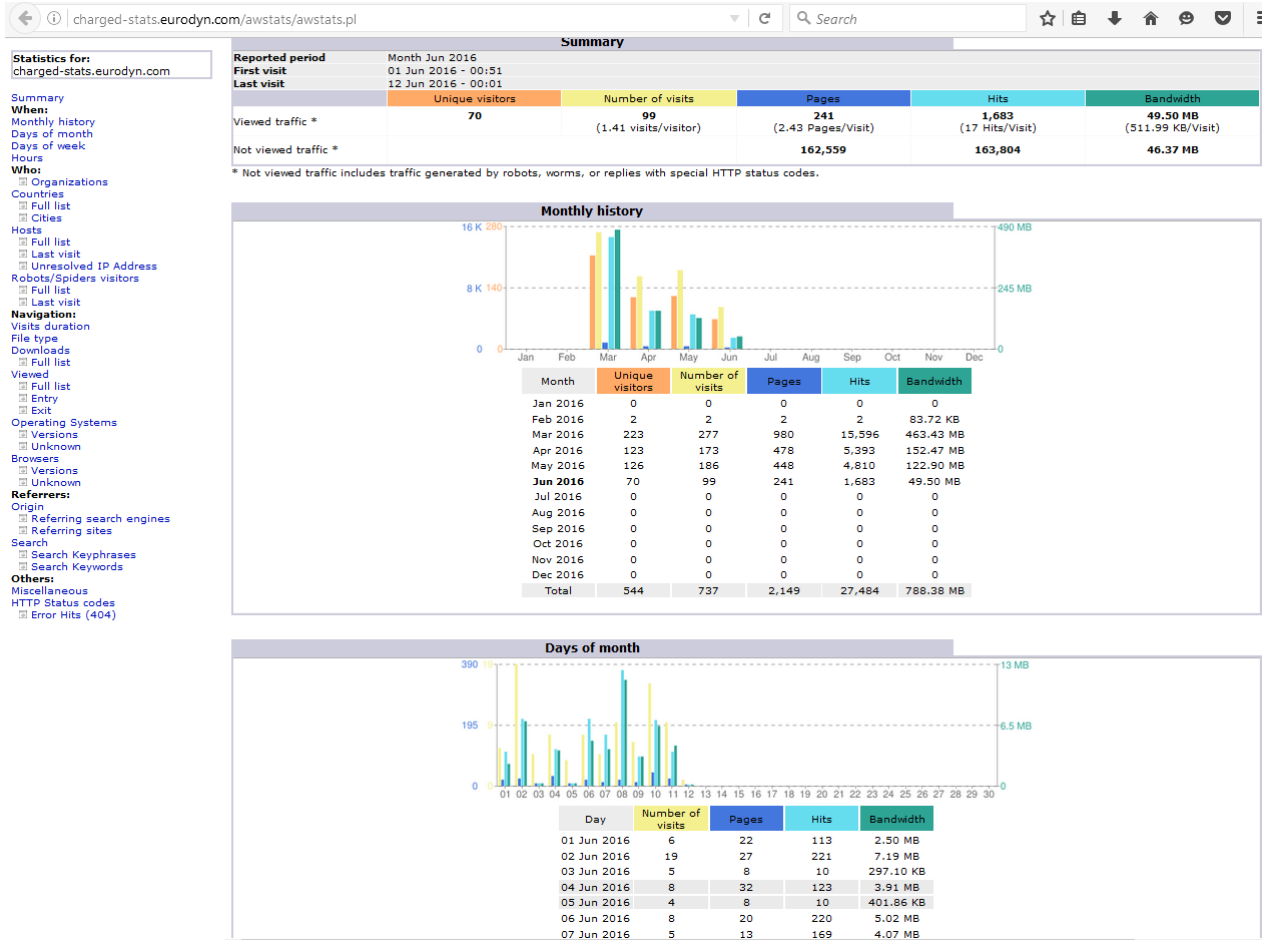


Figure 6 AWSTATS summary on ChArGED website

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### 3 Conclusions

An initial version of the ChArGED project website has been designed, provisioned and deployed on the internet. Consisting mostly of static content, it has been designed to quickly answer the key questions that external visitors to the website are expected to have. Various links in the website have also been considered at this early stage of the project, to cover collaboration, exploitation and dissemination requirements. As activities of the project become more clear and detailed more tools will be configured and enabled to support the project in all appropriate ways.

The project website will continuously evolve and develop as the project itself matures – the dedicated server provisioning solution we have adopted gives us the flexibility to choose the most appropriate tools and technologies to support the future needs of ChArGED.