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| **Instrument:** | STREP |
| **Thematic Priority:** | Trustworthy ICT |
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| **Duration:** | 36 months |

# D9.1: MUSES Web Site and Brochure

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| **Dissemination level:** | PU |

**Abstract:** This document briefly reports

a) on the Muses web site that is currently deployed at https://www.musesproject.eu. We introduce the CMS that we have selected to create the web site (Plone) and we summarily describe its public (i.e., accessible to all people that visit the web site) and private (i.e., accessible to registered people) sections.

b) on the MUSES first Brochure, containing a summarized overview of the project

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# 1  INTRODUCTION

The web site is currently deployed at https://www.musesproject.eu. This web site is based on the **Plone** (https://plone.org/) Content Management System (CMS) (version 4.1). A Content Management System is a specialized web application that provides advanced features to control and manage the content of a web site so that even inexperienced users can easily create, edit, archive and distribute HTML content, documents and other kinds of information.

Plone is one of the most powerful and used Open Source CMS systems and provides many features (including content search facilities, advanced access control features, etc.). Details on the provided features, as well as on how to use the system are available at:

https://plone.org/documentation/manual/plone-4-user-manual

Please refer to the on line user's manual for details.

In the future, as needs arise, the MUSES web site will be revised and enhanced.

As for the first MUSES Brochure, it can be downloaded from the project website It is also included in *Section 3* of this document.

## 2  WEB SITE

All pages of the MUSES web site are split in five main areas (see Figure 1**)**:

1. The **Header** and **Footer** areas: devoted to provide a set of information and features as detailed in the following;

2. The **Main** area: devoted to provide specific information or documents according to the actions the user did;

3. The column on the left side devoted to support the navigation in alternative to the navigation features in the header section;

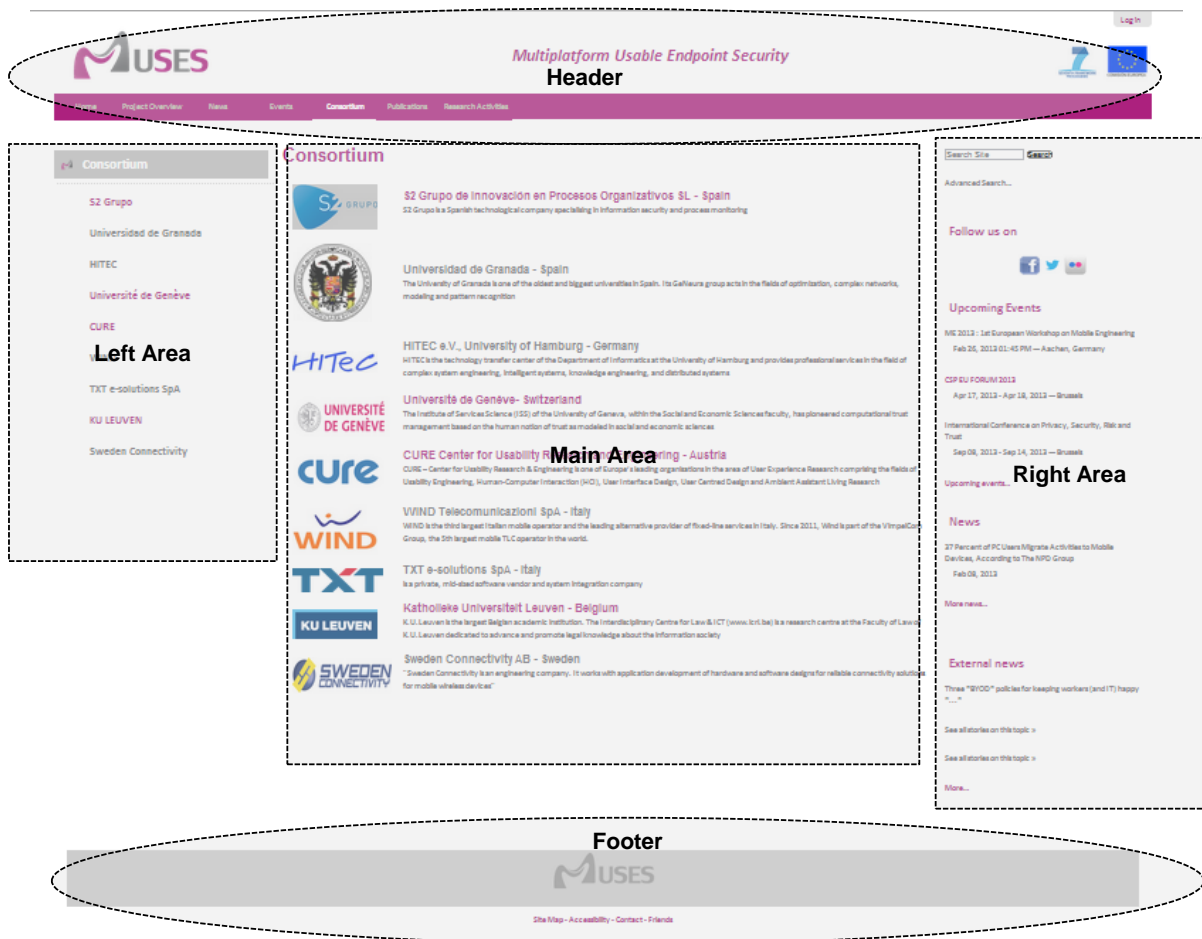4. The column on the right side devoted to host specific portlets or links to external services.



**Figure 1: MUSES web page structure**

The MUSES site has public sections, which are freely accessible, and private ones whose access is restricted to registered people (see Figure 2).

**Figure 2: The Intranet section is visible only for registered users**

The Plone CMS provides a very rich set of access control features, so that registered people can have specific rights on each public and private section. Therefore we can fine tune who can, for example, contribute or change the content of specific sections.

## 2.1  Header and Footer Areas

The Header area contains the following information (see Figure 3):

1.  The MUSES logo (logo of our projects MUSES);
2.  The EU FP7 logo;
3.  The Login element;
4.  The navigation Menu that reports the main web site sections: *Home*, *Project Overview*, *News, Events*, *Consortium*, *Publications* and *Research Activities*. Selecting one of these sections the Main area displays the content of the selected sections.



**Figure 3: The Header area**

At the bottom of each page, the Footer area (see **Figure 4**) contains another MUSES logo and specific links to access additional, section independent, features: the *Site Map*, which visualizes a map of all pages in the web site, the *Accessibility* link, which provides access to features to improve the readability of the pages, the *Contact* link to gain access to the MUSES reference people, and the *Friends* link.



**Figure 4: The Footer area**

## 2.2 Main Area

This area displays the content of the section selected by the user. The Figure 5 provides, as an example, the *Home* page content.
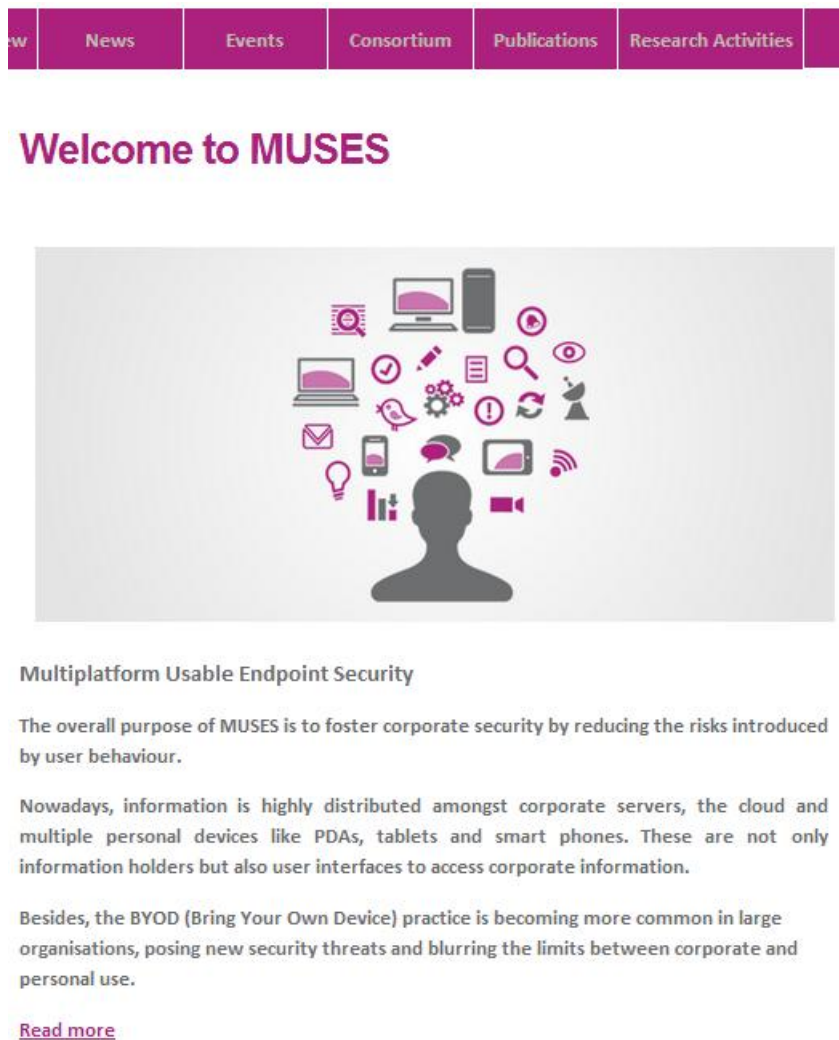


**Figure 5: The Main area**

## 2.3 The Left Column Area

On the left side the MUSES web site provides a *Navigation pane* that helps a user in both getting a visual feedback of the section/sub-section he/she has selected and of possible sub-sections contained by the current (sub-)section (see Figure 6).



**Figure 6: The Left area**

## 2.4 The Right Column Area

The right side, as previously summarized, hosts the following portlets/links (see Figure 7):

- the *Search* portlet through which a user can identify pages that meet specific search conditions;

- icons that links the MUSES web site to MUSES related section on some social network services;

- the *Upcoming Events* portlet that summarises the most recent entries in the MUSES *Events* section;

- the *News* portlet that summarises the most recent entries in the MUSES *News* section;

- the *External news* portlet that provides access to MUSES related information available on the Internet; these information are dynamically selected using features provided by search engines.

Search Site | Search

Advanced Search...

**Follow us on**

**Upcoming Events**

CSP (CYBER SECURITY & PRIVACY) EU FORUM
2013
Apr 17, 2013 - Apr 18, 2013 — Brussels

Upcoming events...

**News**

37 Percent of PC Users Migrate Activities to Mobile
Devices, According to The NPD Group
Feb 08, 2013

More news...

**External news**

Gartner's Phillip Redman to Speak on Enterprise
*Mobile Management* Trends * ...*

Fiberlink Provides Webinar on Multi-Platform
Support for Bring Your Own * Device*

San Francisco Chronicle (press release)

More...

**Figure 7: The Right area**

## 2.5 Privileges Management

Figure 8 provides a hint of the privileges that the web site administrator can assign to authenticated subjects on the MUSES web site sections.

In particular the administrator can assign on a section the possibility to "add", "edit", "review" or "view" so that a duly authorized user can add new content, or edit and review current content.



**Figure 8: Rights management**

Grouping authorized users into specific roles, the site administrator can therefore refine for each section, and potentially for each user the granted rights.

Currently, all MUSES partners have been granted the right to revise and enrich the content of the MUSES web site's sections.

# 3 BROCHURE

## Social impact

- **Increased acceptance of and confidence in mobile and cloud computing** (for both companies and users) and increased **trust in mobile commerce services.**
- Increased awareness of mobile ICT security.
- **Safe telework** (which will also impact on the conciliation of work and family life and a reduction in greenhouse gases) and **increased mobile workers productivity**.

## Legal impact

Increased understanding of legal issues e.g.:

- regarding controlling the behaviour of end-users within corporate networks.
- measures of self-regulation

| | Participant | Part. short name | Country | Total cost (€) | % |
|---|---|---|---|---|---|
| 1 | S2 Grupo, S.L. **(coordinator)** | S2 | Spain | 624,080 | 13.07 |
| 2 | Universidad de Granada | UGR | Spain | 381,920 | 8.00 |
| 3 | Hamburger Informatik Technologie-Center Hitec Ev | HITEC | Germany | 515,760 | 10.81 |
| 4 | Université de Génève | UNIGE | Switzerland | 746,237 | 15.63 |
| 5 | CURE Center for Usability Research & Engineering | CURE | Austria | 442,100 | 9.26 |
| 6 | WIND Telecomunicazioni S.P.A. | WIND | Italy | 477,603 | 10.01 |
| 7 | TXT e-solutions S.p.A. | TXT | Italy | 478,350 | 10.02 |
| 8 | Katholieke Universiteit Leuven | KUL | Belgium | 389,360 | 8.16 |
| 9 | Sweden Connectivity AB | SWE | Sweden | 717,840 | 15.04 |
| | **Total** | | | **4,773,250** | **100%** |

# MUSES

## *Multiplatform Usable Endpoint Security*

*The overall purpose of MUSES is to foster corporate security by reducing the risks introduced by user behaviour*

Data security and privacy are of fundamental importance to organizations, where they are defined and managed via Security Policies. Most security incidents are caused by organization insiders, either by their lack of knowledge or inadequate or malicious behaviour.

Nowadays, information is highly distributed amongst corporate servers, the cloud and multiple personal devices like PDAs, tablets and smart phones. These are not only information holders but also user interfaces to access corporate information. Besides, the Bring Your Own Device practice is becoming more common in large organisations, posing new security threats and blurring the limits between corporate and personal use. In this situation enforcement of Security Policies is increasingly difficult, as any strategy with a chance to succeed must take into account several changing factors: information delocalisation, access from heterogeneous devices and mixing of personal and professional activities. Besides, any mechanism or control must be user friendly and provide non-intrusive, clear feedback on the risk being incurred at any time.

MUSES will provide a device independent, user-centric and self-adaptive corporate security system, able to cope with the concept of seamless working experience on different devices, in which a user may start a session on a device and location and follow up the process on different devices and locations, without corporate digital asset loss. During project development, metrics of usability, context risk evaluation, user current trust situation and device exposure level will be defined and several guidelines for design of secure applications, company policies and context-based security requirements will be produced. A real-time trust and risk analysis engine will also be developed with security mechanisms hard to compromise once installed on the target platforms.

# Why is MUSES important?

MUSES aims at the **benefit of the company**, but **focusing on the user.**

MUSES will enhance corporate security by **reducing the risks introduced by the ubiquitous use of multiple devices**. It will allow the seamless use of any device, be it corporate or personal, increasing the sense of security for the corporation and at the same time letting the employee to use whatever device makes him/her feel at ease.
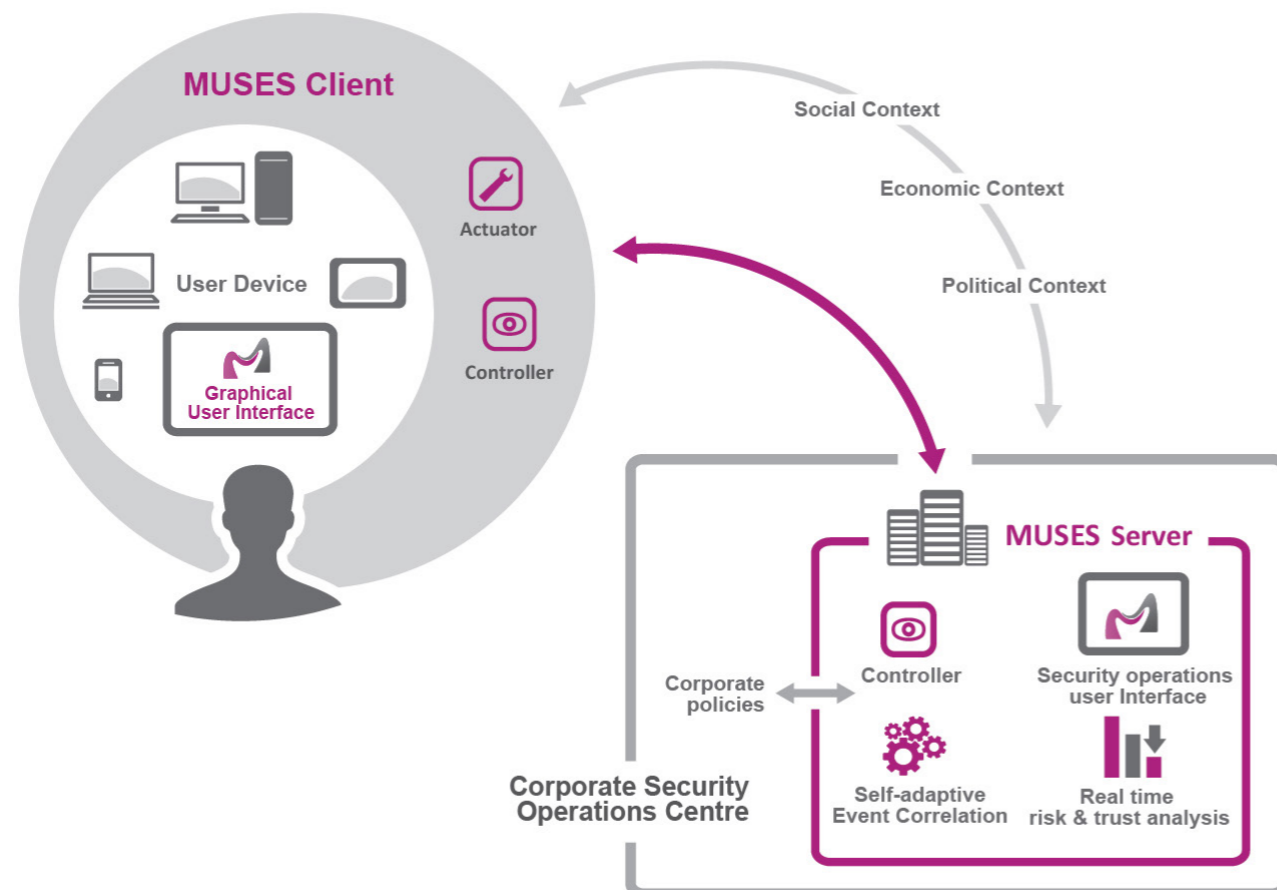


## European policy

The project focuses on the mobility and security/privacy of the internet, two frequently stated goals of the Digital Agenda for Europe. It has a direct impact on the following actions:

- **Action 12:** Review the EU data protection rules.
- **Action 17:** Stakeholder platform for EU online trustmarks.
- **Action 35**: Guidance on implementation of Telecoms rules on privacy.
- **Action 37**: Foster self-regulation in the use of online services.zt

## Technological impact

MUSES will

- address the unstoppable trend of substitution of PCs by mobile devices in the corporate environment
- make strongly secured mobile environments possible, thus enabling secure out of office work.
- allow interaction and interoperability of multiple heterogeneous devices

  - preventing each other from accessing sensitive data unless authorized,
  - with an easy configuration
  - enabling different devices, individuals and enterprises to "speak the same language" in terms of security requirements, alerts and countermeasures
  - moving towards a standarised remote access work for all employees and companies

- **reduce security incidents** and ease handling of network threats and attacks and the deployment of technological countermeasures.

## Economic impact for European companies

- Monetary **savings:**

  - The direct and indirect costs associated to security incidents (such as recovery costs, losses in stock market prices and loss of image) will be reduced.
  - An increase in BYOD practices will reduce company cost for multiple devices.

- Increase in **business and competitiveness**, as a result of MUSES being:

  - **Open source license**
  - Deployed an offered as a service **in the cloud**
  - **Device-neutral** (multiplatform)
  - Based on a **transparent and policy-based platform**