

AAL Project
NITICS
Networked Infrastructure for Innovative home Care Solutions



WP6: Business model design, dissemination, exploitation and commercialization

D6.4: Website of the project

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Executive Summary

The NITICS project is willing to promote its existence and disseminate its results, in order to make both the research and the market communities aware of it. This document presents the NITICS web portal that has been developed with this aim, including the location of the website and some screen shots showing its contents. A way for the Research Executive Agency to get an access for the deployed file sharing server tool is also provided.

This document is structured as the following:

Section 1: Introduction

The first section enumerates the objectives of this deliverable and gives an overview of the work done on the NITICS web site production.

Section 2: AAL JP NITICS Web page

The second section gives an overview of Web page that was included for the NITICS project in the Ambient assisted Living (AAL) Joint Programme (JP) Website in its Call 5 directory.

Section 3: NITICS project website

The third section presents the EXYS developed Web site for NITICS and its different aspects.

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Abbreviations

AAL	Ambient Assisted Living
JP	Joint Programme
NITICS	Networked InfraStructure for Innovative home Care Solutions
PC	Project Coordinator

1 Introduction

This document reports on the results of the work done on the NITICS web site production. It describes the deliverable *D6.4 "Website of the project" and* covers a design and maintenance of the NITICS website. The activities run within Task 6.3 Communication and dissemination of results towards industry, stakeholders and user communities in which a communication and marketing plan will be develop to run activities on international and national levels. The NITICS website will report continuously on the progress, core events, and public deliverables.

2 AAL JP NITICS Web page

A Web page for the NITICS project was included in the Ambient assisted Living (AAL) Joint Programme (JP) Website in its Call 5 directory and has the following URL:

AAL JP website: <http://www.aal-europe.eu/projects/nitics/>

It is structured around the following items:

- Name of the project, acronym, number
- Coordinator
- Length of the project and starting date
- Partners: Name, Type (end-users, business, SME, R&D), Country, Web address
- Objective of the project
- Abstract of the project (Including technology in use, end-users involvement)
- Expected results and impact
- Total cost of project and public contribution
- Website link
- Contact person (e-mail, phone, address).

3 NITICS project website

The Website of the project was developed by EXYS. It has involved the following activity phases:

- Study of the NITICS project concept
- Analysis and choice of the web technology suited for the site publication
- Decision about utilizing an open source CMS, and selection of the Drupal CMS
- Registration of the domain name and hosting of the site on the server.

The NITICS website is located at the following URL:

<http://nitics.eclxys.com>

3.1 Web site targets

The NITICS web site targets are:

- Taking the stock of the situation on the NITICS project and collect contact and identity information about consortium partners

- Disseminate the NITICS concepts among the partners community, the end-user, the EU commission, and the whole world.
- Giving updated information to the NITICS end-users.
- Inform the interested people about news and events on the progress of the NITICS project.

This website is going to be continuously updated during the project implementation and the maintenance of the file sharing tool.

The first update that will be introduced in the website consists in the inclusion of a new section which will contain all the public information related to the NITICS project, including press releases, public deliverables, presentations, publications...

3.2 Web site design and architecture

The NITICS Web site was created by using a open source CMS (Content Management System): **Drupal v. 7.22** (<https://drupal.org/>):

The site is hosted on an Eclexys Apache server located in Riva San Vitale, Switzerland, has a virtual domain (nitics.eclexys.com) and its registered domain is eclexys.com

User having administration permissions is: admin.

Having these credentials the site can be accessed in administrator mode for editing directly by logging on the home page

The underlying database is the open source MySQL v5.5 (<http://www.mysql.com/>)

The site activated default theme is: Business 7.x-1.9

Drupal block (base pages) currently defined are:

- CONTACT
- RELATED LINKS
- USERS
- TECHNOLOGY
- CONSORTIUM
- SYNOPSIS
- NITICS news

and are all on the first level. A Request Form module (to provide feedbacks to the PC) is defined at the second level and is accessible by a link in the "Contact" page. The PC's email address is to whom request information are sent is: info@nitics.com

3.3 Web site structure

The NITICS website is formed, at the time of deliverance of the present document, by 8 sections, namely:

- A "Home" page including a slideshow at the top, the project abstract (synopsis) with the overall description of the project's objectives, and a section for the user-authenticated access to reserved functionalities of the website (like administration functions)
- A "Synopsis" page with the object abstract and the overall description of the project's objectives.
- A "Consortium" page which presents an overview of the NITICS consortium partners, including their experience and contact data.
- An "Technology" page, summarizing the main technological objectives and outcomes of the project
- A "Users" page, presenting information about primary, secondary and tertiary end-users of the NITICS system.

- A “Related links” page, which reports a list of useful web links pertinent to the project
- A “News” page, which lists the NITICS-related events and facts
- A “Contact” page, with information and a “request form” to contact the project’s coordinator.

The following sections present some screen shots of the aforementioned sections

3.3.1 Home

Figure 1 illustrates a screen shot of the NITICS Website home page.

Home Synopsis Consortium Technology Users Related Links News Contact

NITICS

Providing care in an efficient way

SYNOPSIS

The NITICS project will build a flexible platform that will rely on a set of basic and task oriented services: localization of personal objects (keys, glasses, mobile); localization and movement pattern analysis of elderly and disabled people inside their homes - which, integrated with body sensors and environmental captors will support end-users as well as caregivers, family members, and others involved in assisting the person; a multimedia bi-directional platform (TV/PC /Smartphone) to ease, stimulate and support daily activities; augmented-reality system to assist users in finding the objects. NITICS will enable disabled persons to create, participate and continue their social activities not only via an Internet connection but also by using localization technology inside their homes, supporting an active social life. The localization technology is not only used to track and trace the assisted individual, nor just to gather objects' and predict their position, but also to detect unpredicted or abnormal behaviour, lack of movement or erratic behaviour, and to trigger actions by care providers in case of need . Such a system will help carers to intervene only in case of need, in a timely manner and provide the needed help, taking into account the preferences of care providers as well as family and end-users. The NITICS framework will provide major benefits to the end-users but will also provide benefits to caretakers and people directly involved in the care value chain.

User Login

Username *

Password *

[Request new password](#)

Log in

Diagram:

The diagram illustrates the NITICS system architecture. It is centered around the 'NITICS server and framework (APIs)'. Key components and their interactions include:

- Elderly / people with disabilities:** Interacts with the system through 'Integrated sensors and cams' (Monitoring, Consulting, Check health's, home status and objects location) and 'Indoor localization of End-users, Personal objects'.
- Carers:** Includes 'formal carers' and 'Informal carers'. They interact via 'Interactive multimedia TV/PC/Mobile' (Bidirectional interactions between elderly and carers, Alarms, To-do list) and 'Augmented reality' (Help to gather objects).
- Home automation:** Aims at 'Easing daily activities'.
- UPS/ resource savings:** A key benefit of the system.
- Predictive algorithms:** Used for 'Users movements and objects location'.
- WIFI, HDSPA, UMTS, GSM:** Network technologies supporting the system.
- Internet:** Facilitates 'collaboration' between carers and the system.

Objectives:

The NITICS project designs and builds a holistic platform that is expandable and offers advanced ICT services including monitoring and navigational support for the mobility of elderly and disabled persons in their home during their daily activities. Furthermore, it also brings suitable services for elderly and people with diseases or disabilities (mobility handicaps, cognitive disabilities and mental diseases) that can keep their cognitive capability (at both physical and mental levels) intact.

[Read more](#)

AAL Joint Programme

Copyright © 2013, .

Figure 1: Screen shot of the NITICS Website (home page)

3.3.2 Synopsis

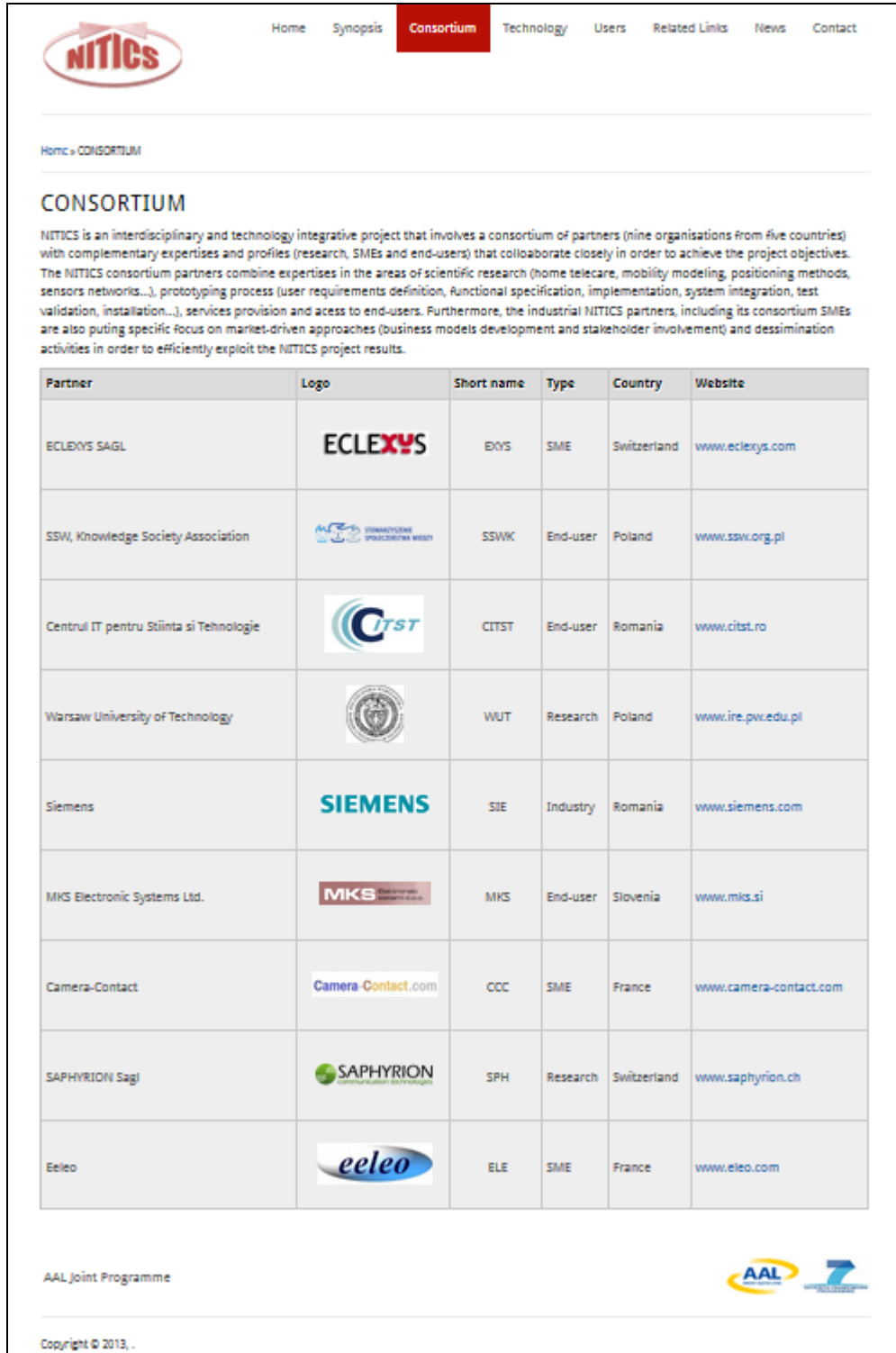
Figure 2 illustrates a screen shot of the NITICS Website (project synopsis).

The screenshot shows the NITICS website's synopsis page. At the top, there is a navigation menu with 'Home', 'Synopsis' (highlighted), 'Consortium', 'Technology', 'Users', 'Related Links', 'News', and 'Contact'. Below the menu is the NITICS logo and a breadcrumb trail 'Home > SYNOPSIS'. The main heading is 'SYNOPSIS', followed by a detailed paragraph describing the project's goals and services. A central diagram illustrates the system architecture, showing the interaction between 'Elderly / people with disabilities' and 'Carers' (formal and informal) through a central 'NITICS server and framework (APIs)'. The diagram lists various components and services such as 'Integrated sensors and cams', 'Indoor localization of End-users Personal objects', 'Interactive multimedia TV/PC/Mobile', 'Home automation', 'UPS/ resource savings', 'Augmented reality', 'Predictive algorithms', and 'WIFI, HDPA, UMTS, GSM'. Below the diagram is an 'Objectives:' section. At the bottom of the page, there is a footer with 'AAI Joint Programme', logos for AAI and the European Union, and a copyright notice 'Copyright © 2013, .'.







Figure 2: Screen shot of the NITICS Website (project synopsis)

3.3.3 Consortium

Figure 3 illustrates a screen shot of the NITICS Website (project consortium).



The screenshot shows the NITICS website's Consortium page. At the top, there is a navigation menu with links for Home, Synopsis, Consortium (highlighted), Technology, Users, Related Links, News, and Contact. Below the menu is the NITICS logo and a breadcrumb trail: Home » CONSORTIUM. The main heading is 'CONSORTIUM', followed by a descriptive paragraph about the project's interdisciplinary nature and goals. Below the text is a table listing the consortium partners.

Partner	Logo	Short name	Type	Country	Website
ECLIXYS SAGL		EIXYS	SME	Switzerland	www.eclixys.com
SSW, Knowledge Society Association		SSWK	End-user	Poland	www.ssw.org.pl
Centrul IT pentru Stiinta si Tehnologie		CITST	End-user	Romania	www.citst.ro
Warsaw University of Technology		WUT	Research	Poland	www.ire.pw.edu.pl
Siemens		SIE	Industry	Romania	www.siemens.com
MKS Electronic Systems Ltd.		MKS	End-user	Slovenia	www.mks.si
Camera-Contact		CCC	SME	France	www.camera-contact.com
SAPHYRION Sagi		SPH	Research	Switzerland	www.saphyrion.ch
Eeleo		ELE	SME	France	www.eleo.com

At the bottom of the page, there is a footer with 'AAL Joint Programme' on the left and logos for AAL and the European Union on the right. The copyright notice at the very bottom reads 'Copyright © 2013, .'.

Figure 3: Screen shot of the NITICS Website (project consortium)

3.3.4 Technology

Figure 4 illustrates a screen shot of the NITICS Website (project technology).

The screenshot shows the NITICS website's 'Technology' page. At the top, there is a navigation menu with links for Home, Synopsis, Consortium, Technology (highlighted), Users, Related Links, News, and Contact. Below the menu is the NITICS logo and a breadcrumb trail: Home » TECHNOLOGY. The main heading is 'TECHNOLOGY'. The text describes the NITICS platform as an advanced and modular system for networked domestic services, based on state-of-the-art positioning algorithms and standardized systems. It mentions that the platform will improve existing services and enable novel ones, directly improving the quality of life for the elderly and people with disabilities. The system is developed from existing technologies, prioritizing open systems interconnectivity and open source philosophy. It is an extendible and scalable solution, respecting business models and interests of technology partners. Part of the project will be made available to new companies willing to develop additional applications based on the NITICS building blocks or adding new ones to the framework. The platform can be installed in the home of elderly by installation companies and used by various service providers to offer care services. The project will develop such end-user services and test them in a field trial with the end-users, in order to test the whole platform. To achieve this vision, NITICS takes a holistic approach, developing not only the platform but also generic service elements that can be reused in several end-user services and applications.

The diagram below illustrates the NITICS project architecture, organized into three layers:

- Hardware abstraction layer:** Contains 'NITICS service elements' and '3rd party service elements'.
- Software a. layer:** Contains 'Private APIs' and 'Public APIs'.
- Core a. layer:** Contains 'NITICS core services'.

Inputs to the system include 'Localization data (RF links and sensors for indoor localization)' and 'Existing servers'. The output consists of five 'End-user application' boxes, including 'New End-user application' and 'Future End-user application'. The entire architecture is labeled as 'NITICS project scope'.

At the bottom of the screenshot, there is the text 'AAL Joint Programme', the AAL and NITICS logos, and the copyright notice 'Copyright © 2013, .'.

Figure 4: Screen shot of the NITICS Website (project technology)

3.3.5 Users

Figure 5 illustrates a screen shot of the NITICS Website (project users).

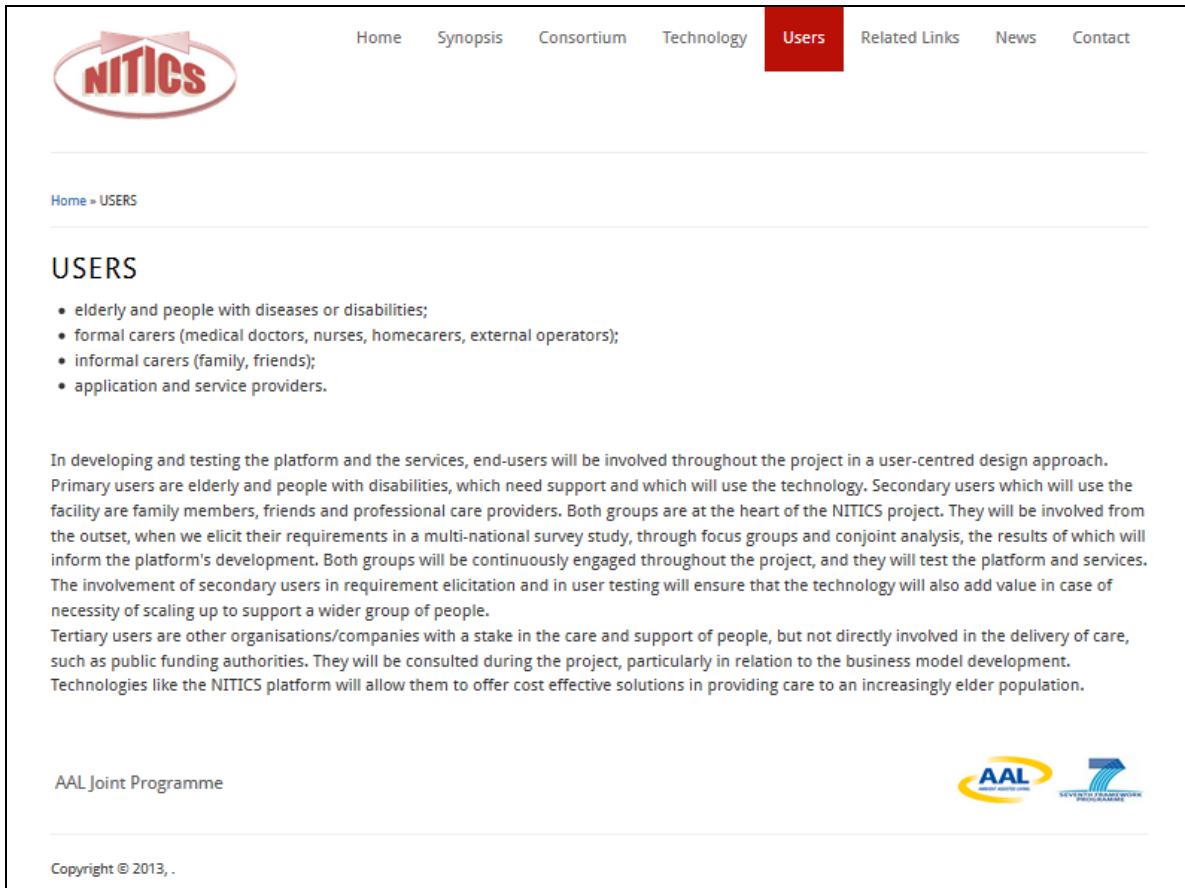


Figure 5: Screen shot of the NITICS Website (project users)

3.3.6 Related links

Figure 6 illustrates a screen shot of the NITICS Website (project related links).

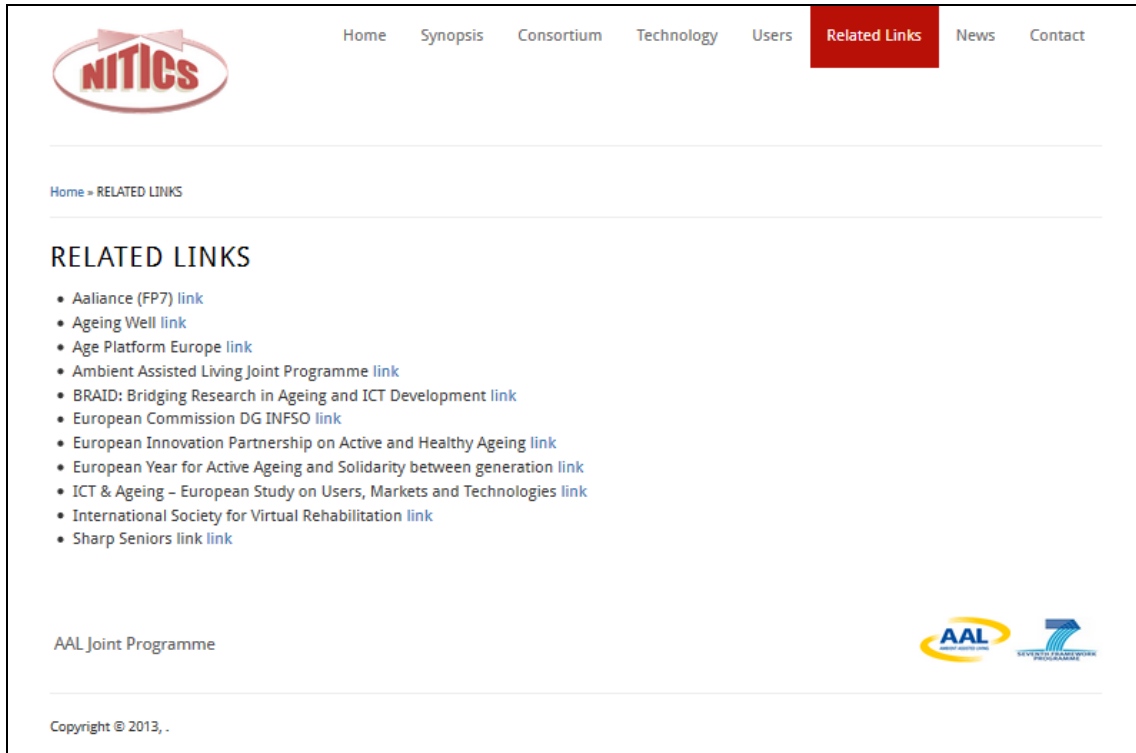


Figure 6: Screen shot of the NITICS Website (project related links)

3.3.7 News

Figure 7 illustrates a screen shot of the NITICS Website (project news and events).

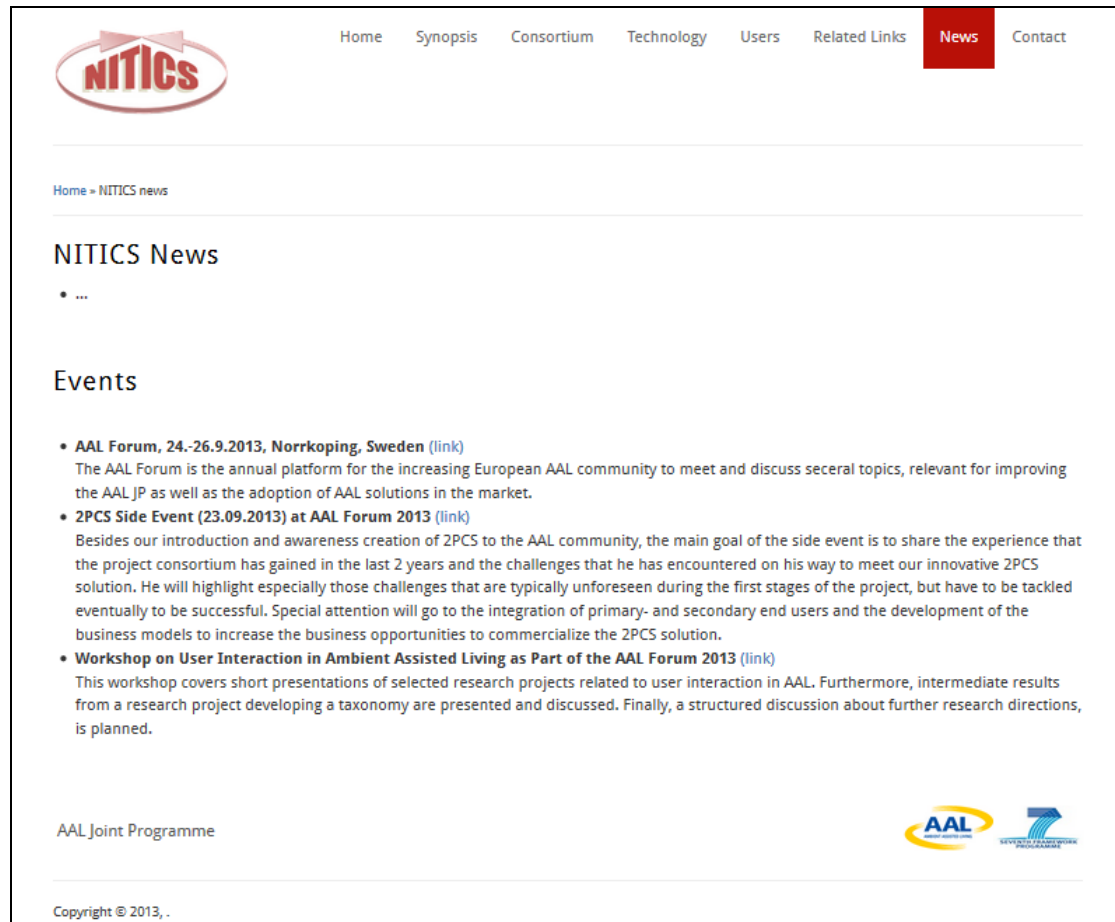


Figure 7: Screen shot of the NITICS Website (project news and events)

3.3.8 Contact

Figure 8 illustrates a screen shot of the NITICS Website (project contact).

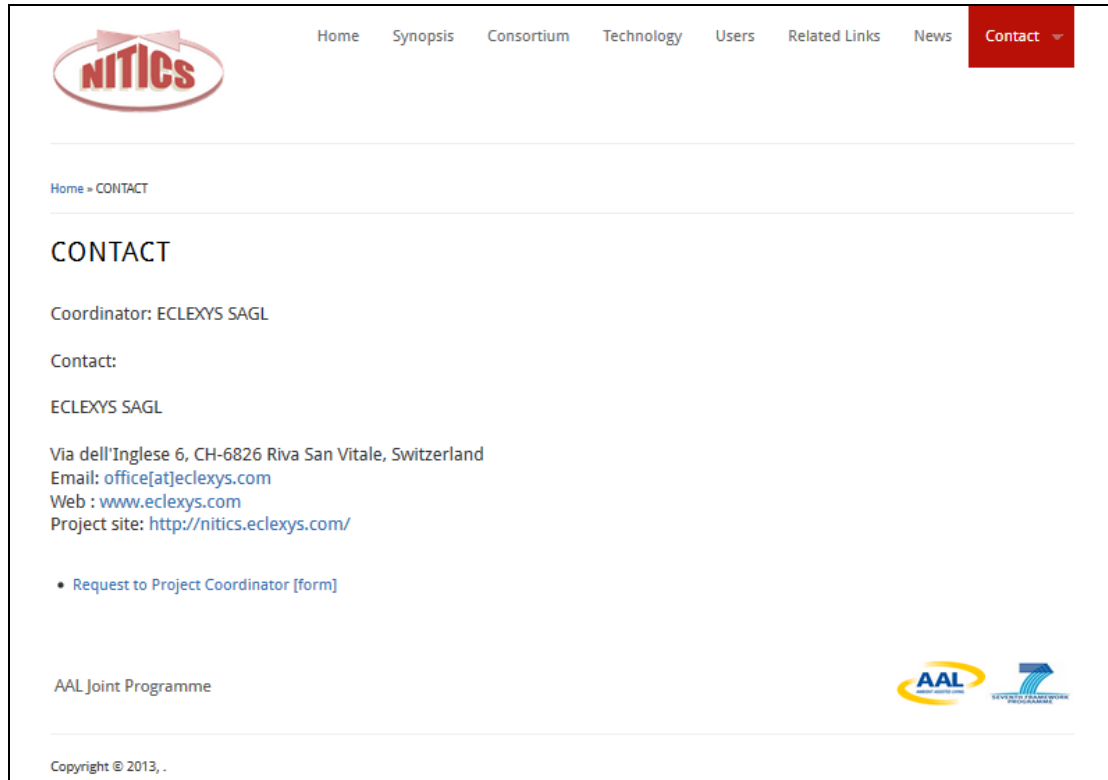


Figure 8: Screen shot of the NITICS Website (project contact)

Document history

Table 1: Document history

Ref.	Title	Doc.-ID	Version	Date
[RD1]	Initiation of Table of Content (ToC).	NITICS_WP6_D6_4_R_P_1v0.doc	1.0	15.09.2013
[RD2]	First sections elaboration of the deliverable content.	NITICS_WP6_D6_4_R_P_1v1.doc	1.1	30.09.2013
[RD3]	Finalization of the deliverable content.	NITICS_WP6_D6_4_R_P_1v2.doc	1.2	31.10.2013

- *End of document* -