

 <p><b>HOPE</b> SMART HOME FOR ELDERLY PEOPLE</p>	<p><b>HOPE Project</b></p> <p><b>AAL-2008-1-099</b> <b>Smart Home for Elderly People</b></p>
<p><b>Project Presentation V2</b></p> <p><b>Report Version:</b> 1</p> <p><b>Report Preparation Date:</b> 10.08.2010</p> <p><b>Classification:</b> Restricted</p> <p><b>Partner Responsible:</b> Rtel sa</p> <p><b>Contract Start Date:</b> 07.07.2009</p> <p><b>Project Coordinator:</b> Rtel sa, Greece</p> <p><b>Partners:</b> Forus Srl, Italy Cetemmsa Technology Centre, Spain Citic Foundation, Spain Kmp Organization, Greece I2s sa, Greece Tracs srl, Italy Forus srl, Italy</p>	
 <p><b>AAL</b> AMBIENT ASSISTED LIVING</p>	<p>Project funded by the Ambient Assisted Living Joint Programme with the financial support of the European Community and 20 European Member States</p>

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## 1 Introduction

At the present document the dissemination plan of the HOPE project is going to be presented. Until now several different media types such as the Internet, posters and leaflets have been used in order to keep the potential customers of the HOPE system informed about the progress of the whole system. In this way, people have the chance to acquire information about the technology that is used for the implementation of the system, the procedure that is followed before, during, and after the installation and the ways in which the system interacts with the patient and his relatives.

Until now the dissemination plan consists of four different media types:

- the official site of the HOPE project (<http://www.hope-project.eu/index.asp>)
- the user interface
- the HOPE leaflet
- the HOPE poster

Detailed elaboration on each one of them is following.

## 2 The official HOPE site

The part of the dissemination plan that was implemented first, was the official site of the HOPE project. In Figure 1-1 the home page of this site (<http://www.hope-project.eu/index.asp>) is shown. Through this page the user can acquire information about the latest news of the project, watch the video about how the whole system works, and participate to the polls that help the consortium to improve the system.



Figure 1-1: Home page of the official site

In Figure 1-2 the Site Map is presented. Through this presentation of the contents of the site, the user can access to the information he wants easily and quickly.

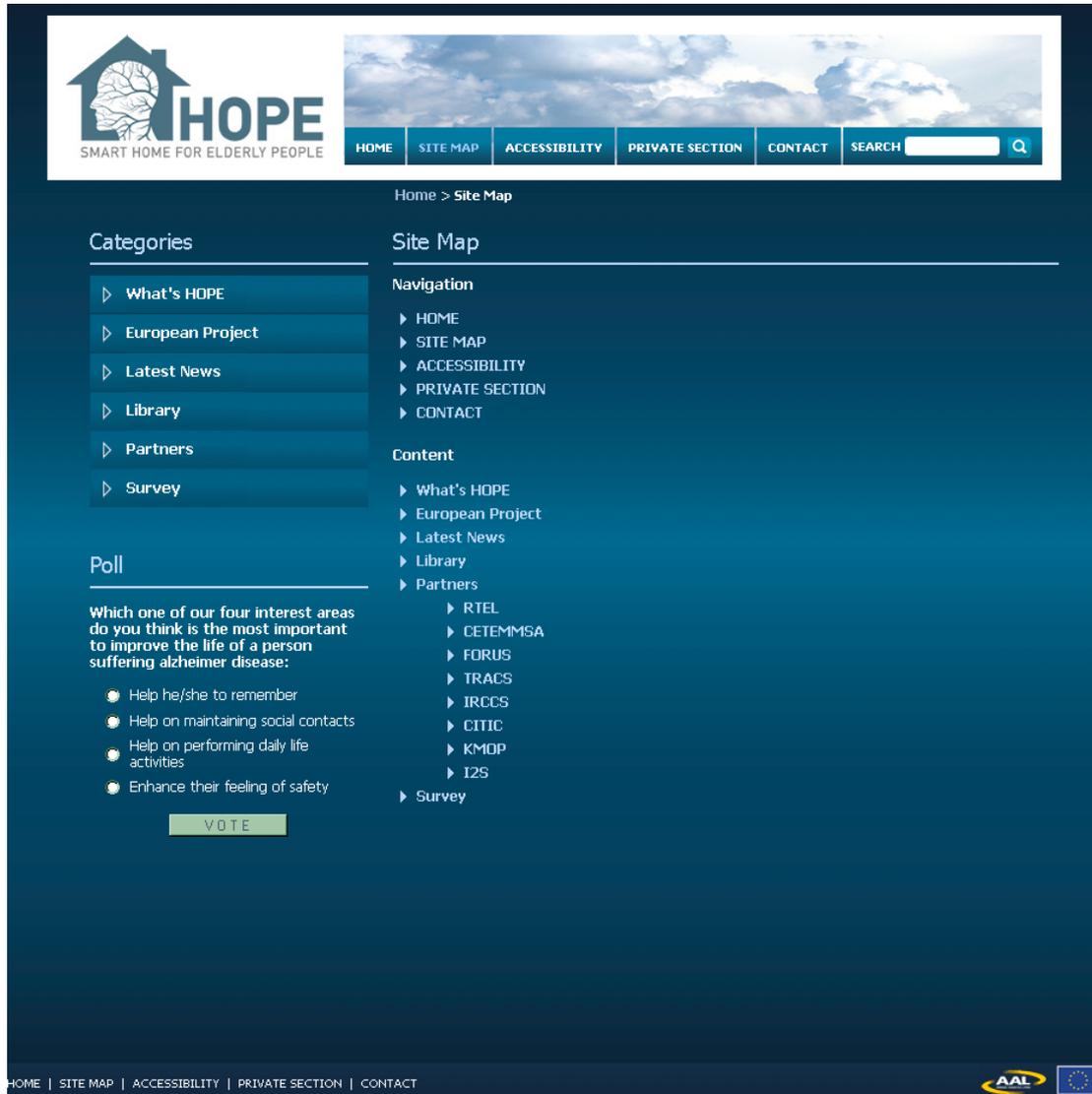
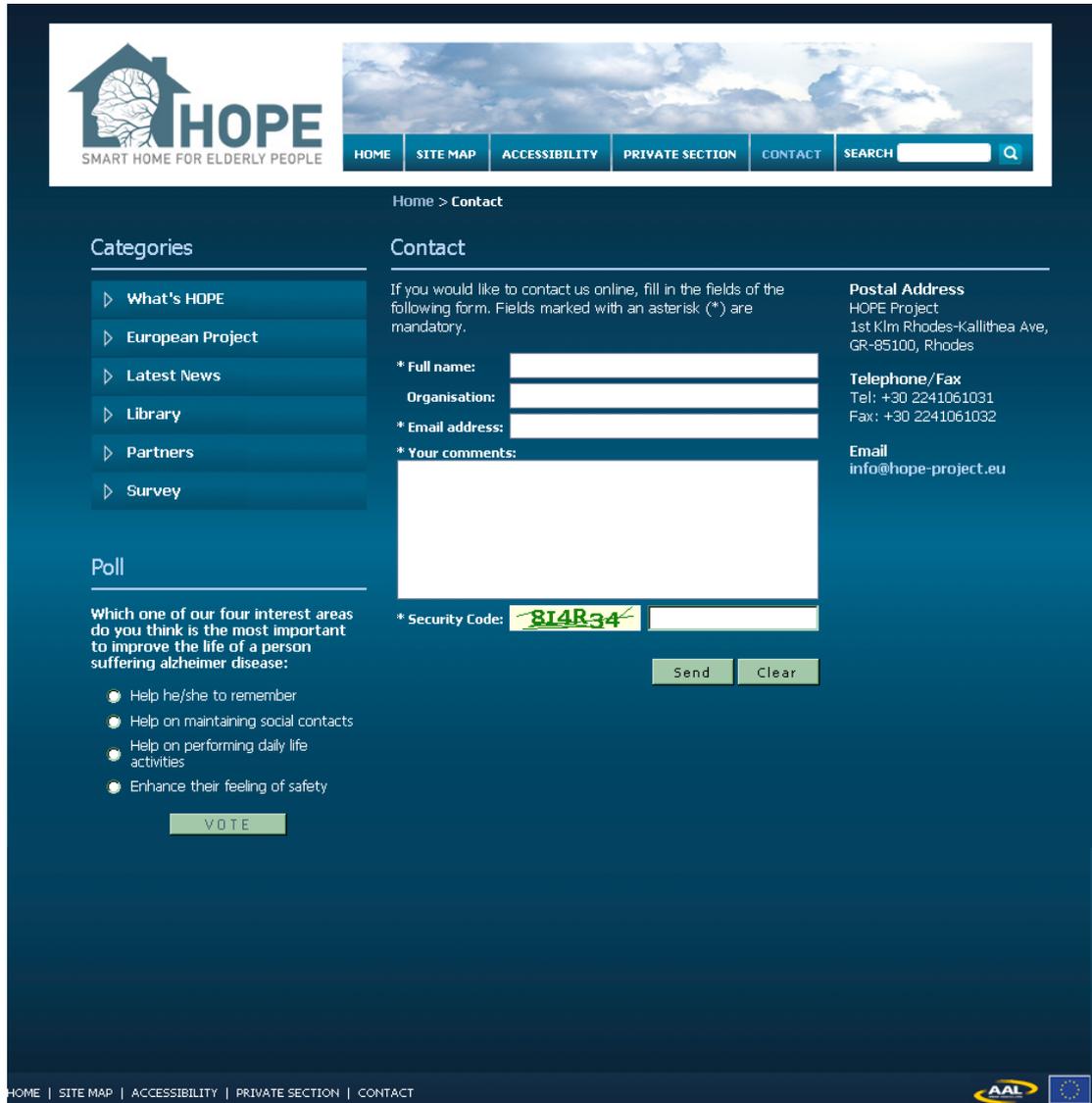


Figure 1-2: Site map of the official site

In Figure 1-3 there is the Contact Form that the user who is interested in the HOPE project must fill in, in order to contact the administrator of the project.



HOPE SMART HOME FOR ELDERLY PEOPLE

HOME | SITE MAP | ACCESSIBILITY | PRIVATE SECTION | CONTACT | SEARCH [ ] Q

Home > Contact

### Categories

- ▶ What's HOPE
- ▶ European Project
- ▶ Latest News
- ▶ Library
- ▶ Partners
- ▶ Survey

### Contact

If you would like to contact us online, fill in the fields of the following form. Fields marked with an asterisk (\*) are mandatory.

\* Full name: [ ]

Organisation: [ ]

\* Email address: [ ]

\* Your comments: [ ]

\* Security Code: 814R34 [ ]

Postal Address  
HOPE Project  
1st Klm Rhodes-Kallithea Ave,  
GR-85100, Rhodes

Telephone/Fax  
Tel: +30 2241061031  
Fax: +30 2241061032

Email  
info@hope-project.eu

Send Clear

### Poll

Which one of our four interest areas do you think is the most important to improve the life of a person suffering alzheimer disease:

- Help he/she to remember
- Help on maintaining social contacts
- Help on performing daily life activities
- Enhance their feeling of safety

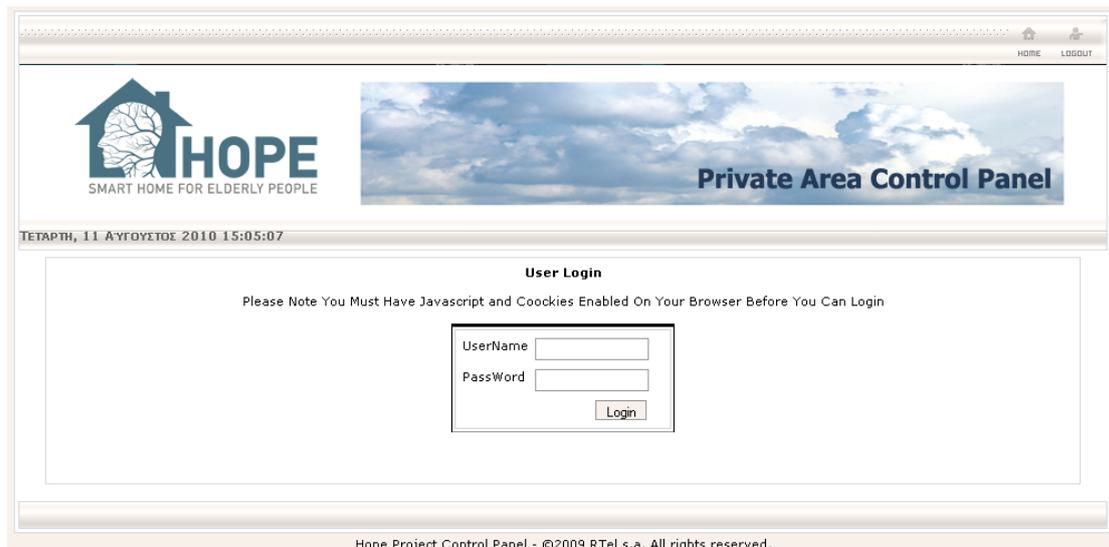
VOTE

HOME | SITE MAP | ACCESSIBILITY | PRIVATE SECTION | CONTACT

AAL [ ]

Figure 1-3: Contact form of the official site

In Figure 1-4 there is the page where the Private Section tab redirects the user. In this page the user has to type his unique User Name and Password in order to login to the user interface where confidential information is included. This page is used by the relatives and the doctors of the patients to get informed about the patient's health and the environmental conditions in the house.



HOPE  
SMART HOME FOR ELDERLY PEOPLE

Private Area Control Panel

ΤΕΤΑΡΤΗ, 11 ΑΥΓΟΥΣΤΟΣ 2010 15:05:07

**User Login**

Please Note You Must Have Javascript and Cookies Enabled On Your Browser Before You Can Login

UserName

PassWord

Login

Hope Project Control Panel - ©2009 RTel s.a. All rights reserved.

Figure 1-4: Private Section tab of the official site

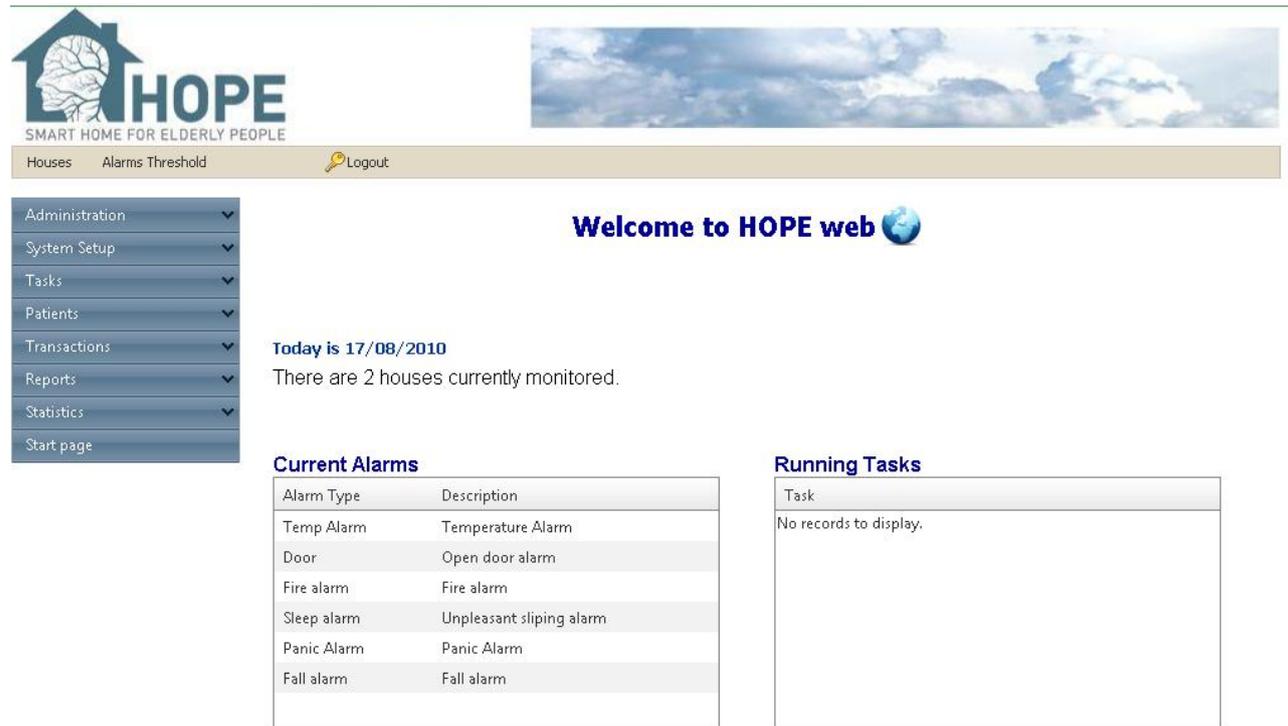
### 3 The User Interface

The User Interface is designed to be used by certain groups of people, involved in the HOPE project, meaning the administrator, the doctors and the relatives. As it can be seen in Figure 2-1, the system requires a unique username and password in order to let the user have access to the confidential information included in the next pages. The username and the password, encrypts the privileges that each user has, and in this way it “unlocks” only the pages he has the permission to visit.



**Figure 2-1: Login Page**

In Figure 2-2 there is the home page of the User Interface. After having typed the username and the password, the user enters this page, where the appropriate tabs of the menu have been unlocked automatically. For example, the Administration tab gets unlocked only for the administrator of the project. Moreover if the user is a patient's relative, in the patients tab he will be able to see **only** his relative's data.



The screenshot shows the HOPE web application interface. At the top left is the HOPE logo. Below it is a navigation menu with the following items: Administration, System Setup, Tasks, Patients, Transactions, Reports, Statistics, and Start page. To the right of the menu is a header area with 'Houses', 'Alarms Threshold', and a 'Logout' button. The main content area displays a 'Welcome to HOPE web' message with a globe icon. Below this, it shows the date 'Today is 17/08/2010' and a message 'There are 2 houses currently monitored.' There are two tables: 'Current Alarms' and 'Running Tasks'.

Alarm Type	Description
Temp Alarm	Temperature Alarm
Door	Open door alarm
Fire alarm	Fire alarm
Sleep alarm	Unpleasant sleeping alarm
Panic Alarm	Panic Alarm
Fall alarm	Fall alarm

Task
No records to display.

**Figure 2-2: Home Page**

In Figure 2-3 the Device Types tab is presented. Here, the user can find all the types of the devices that have been installed in the house.

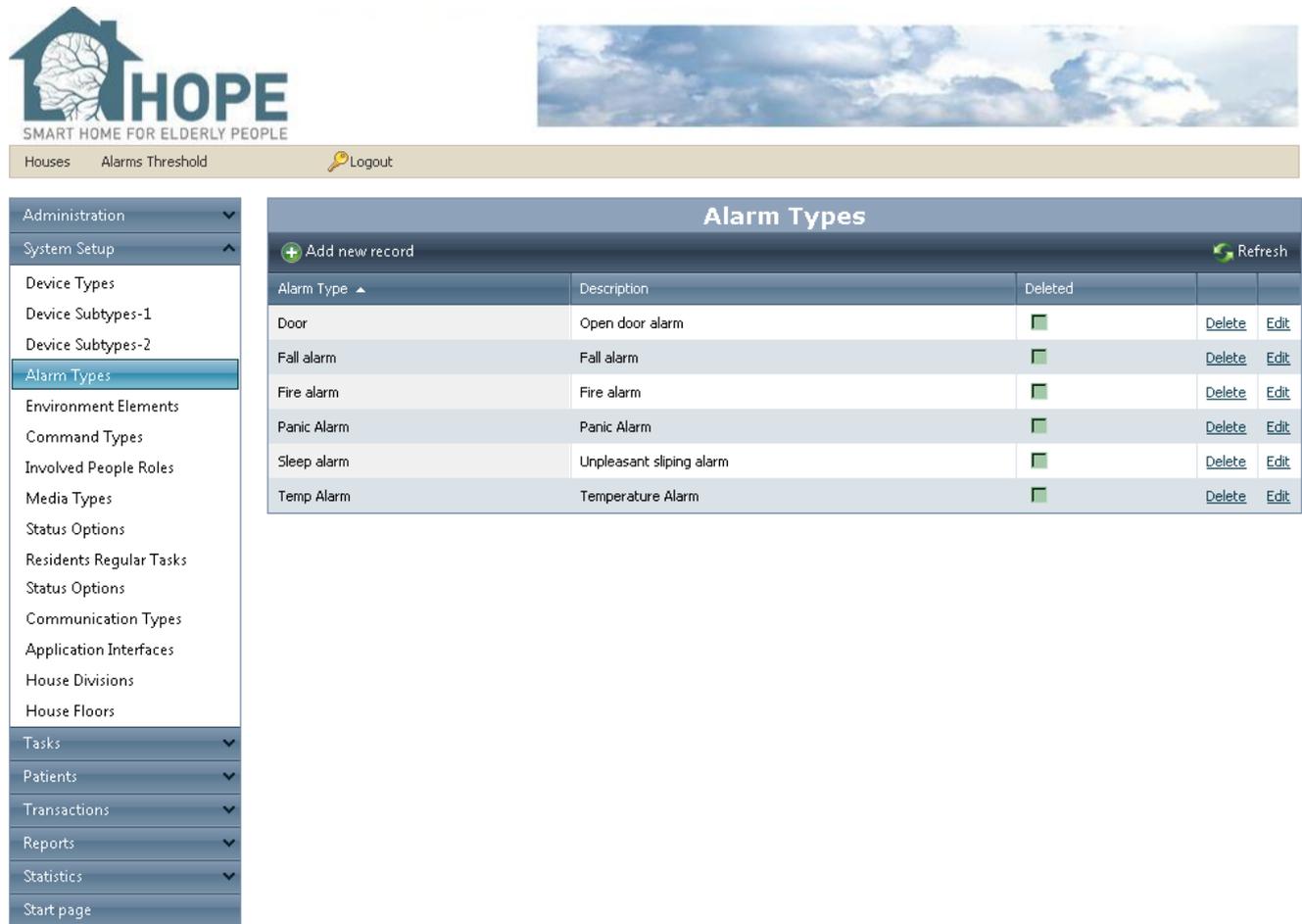
The screenshot shows the HOPE web application interface. The header includes the HOPE logo and navigation links: Houses, Alarms Threshold, and Logout. The left sidebar contains a navigation menu with the following items: Administration, System Setup, Device Types (selected), Device Subtypes-1, Device Subtypes-2, Alarm Types, Environment Elements, Command Types, Involved People Roles, Media Types, Status Options, Residents Regular Tasks, Status Options, Communication Types, Application Interfaces, House Divisions, House Floors, Tasks, Patients, Transactions, Reports, Statistics, and Start page. The main content area is titled 'Device Types' and features a table with the following data:

Device Type	Description	Deleted		
Camera	videocamera	<input type="checkbox"/>	Delete	Edit
Current	AC Current	<input type="checkbox"/>	Delete	Edit
Fire alarm	Alarming whenever fire is detected	<input type="checkbox"/>	Delete	Edit
Humidity	Humidity measurement	<input type="checkbox"/>	Delete	Edit
Interaction Touchscreen	Touchscreen	<input type="checkbox"/>	Delete	Edit
Light Sensor	Measuring room lighting	<input type="checkbox"/>	Delete	Edit
Micophone	Mic	<input type="checkbox"/>	Delete	Edit
Movement	Movement control device	<input type="checkbox"/>	Delete	Edit
Sound	Sound detector	<input type="checkbox"/>	Delete	Edit
Teleconferance screen	screen	<input type="checkbox"/>	Delete	Edit

At the bottom of the table, there is a pagination control showing 'Page size: 10' and '11 items in 2 pages'. The interface also includes a '+ Add new record' button and a 'Refresh' button.

Figure 2-3: Device Types

In Figure 2-4 there are all the types of the alarms that will be created when a sensor overcome the threshold value that the doctors, the relatives and the administrator of the project have declared for each sensor.

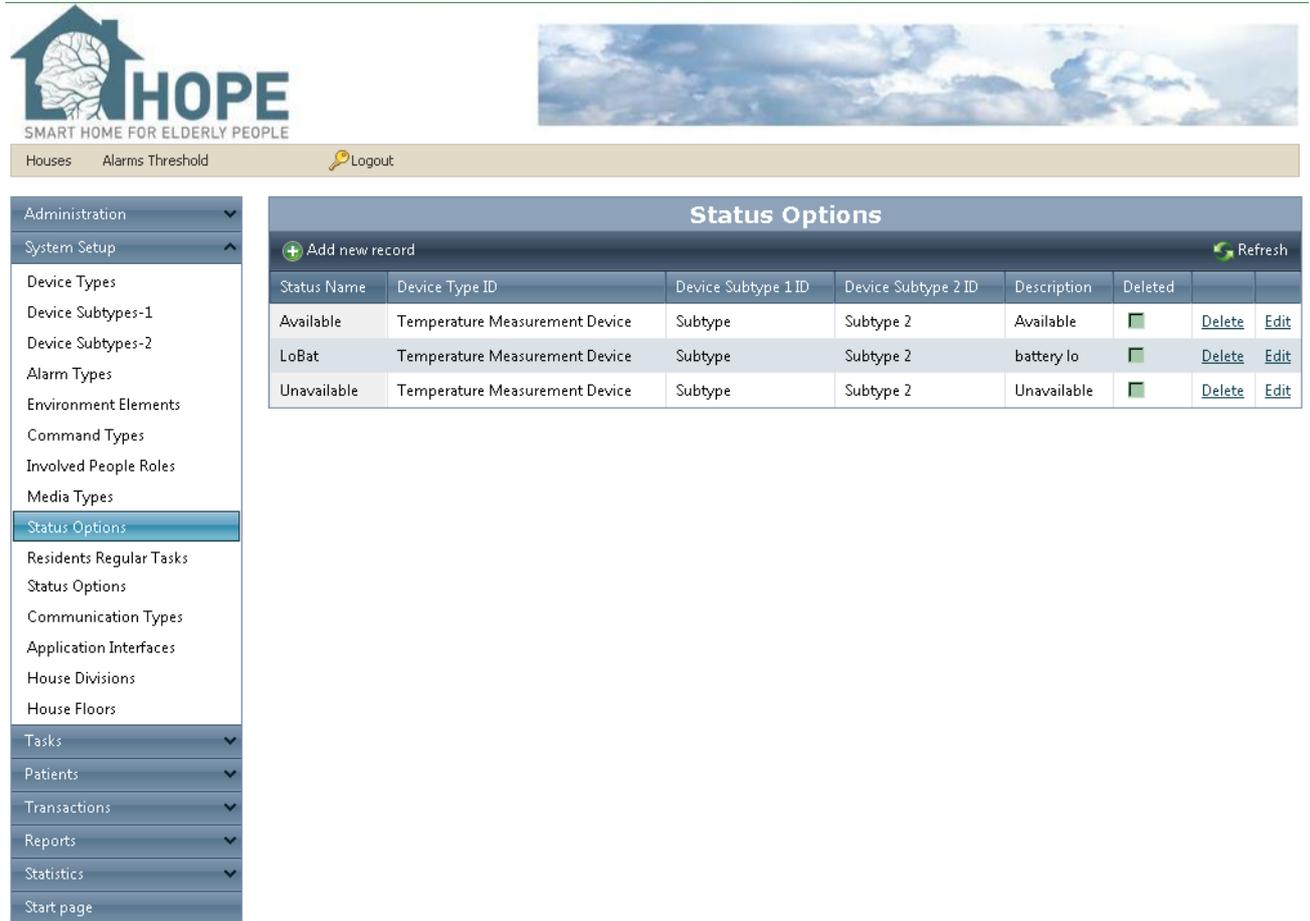


The screenshot shows the 'Alarm Types' management interface. On the left is a navigation menu with categories like Administration, System Setup, Device Types, and Tasks. The 'Alarm Types' menu item is highlighted. The main content area features a table with the following data:

Alarm Types			
Alarm Type ▲	Description	Deleted	
Door	Open door alarm	<input type="checkbox"/>	<a href="#">Delete</a> <a href="#">Edit</a>
Fall alarm	Fall alarm	<input type="checkbox"/>	<a href="#">Delete</a> <a href="#">Edit</a>
Fire alarm	Fire alarm	<input type="checkbox"/>	<a href="#">Delete</a> <a href="#">Edit</a>
Panic Alarm	Panic Alarm	<input type="checkbox"/>	<a href="#">Delete</a> <a href="#">Edit</a>
Sleep alarm	Unpleasant sleeping alarm	<input type="checkbox"/>	<a href="#">Delete</a> <a href="#">Edit</a>
Temp Alarm	Temperature Alarm	<input type="checkbox"/>	<a href="#">Delete</a> <a href="#">Edit</a>

**Figure 2-4: Alarm Types**

In Figure 2-5 the user can see the status of each sensor, whether it is available or not.

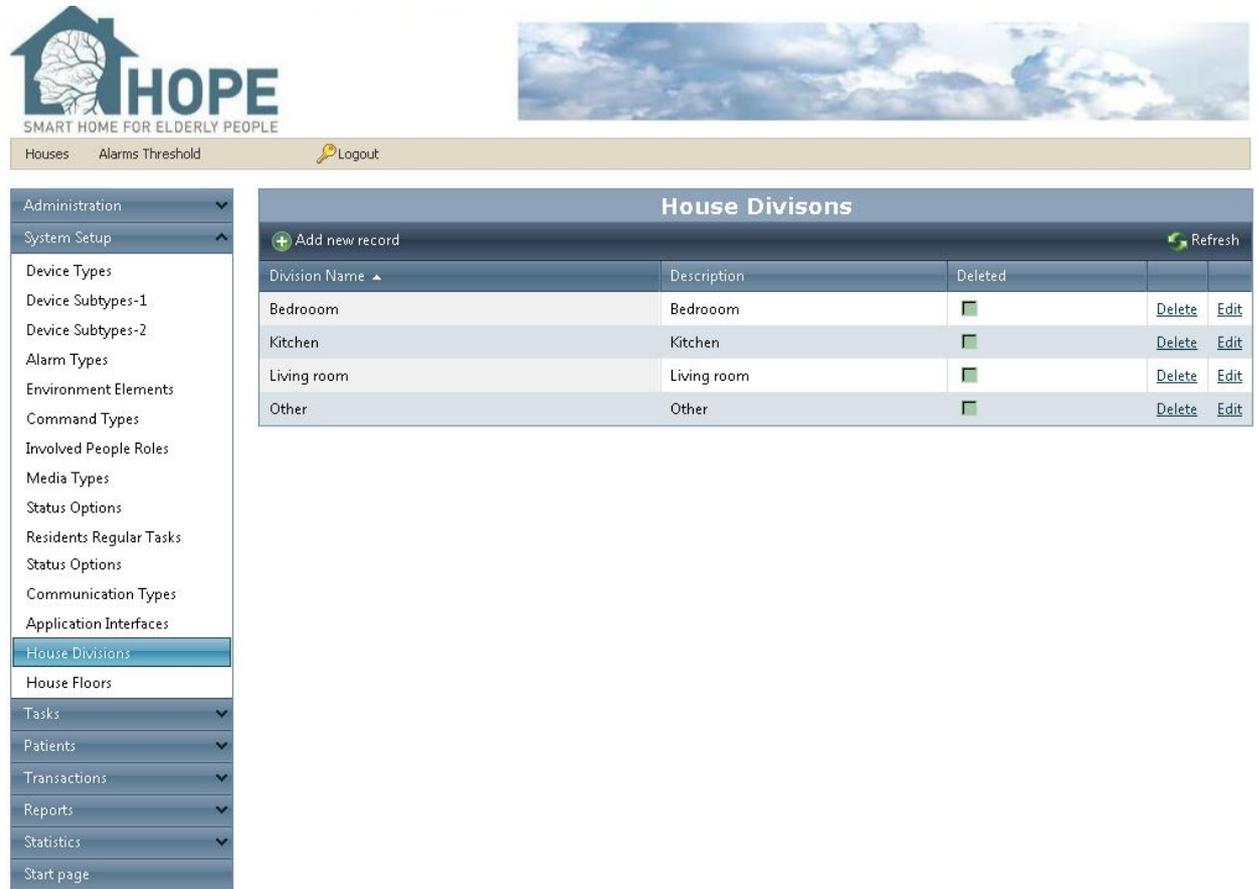


The screenshot shows the HOPE web application interface. At the top left is the HOPE logo. Below it is a navigation menu with items like 'Administration', 'System Setup', 'Device Types', 'Alarms Threshold', and 'Logout'. The main content area is titled 'Status Options' and contains a table with three rows of sensor status data. Each row has columns for Status Name, Device Type ID, Device Subtype 1 ID, Device Subtype 2 ID, Description, Deleted (checkbox), and actions (Delete, Edit). A '+ Add new record' button and a 'Refresh' button are also visible.

Status Name	Device Type ID	Device Subtype 1 ID	Device Subtype 2 ID	Description	Deleted		
Available	Temperature Measurement Device	Subtype	Subtype 2	Available	<input type="checkbox"/>	<a href="#">Delete</a>	<a href="#">Edit</a>
LoBat	Temperature Measurement Device	Subtype	Subtype 2	battery lo	<input type="checkbox"/>	<a href="#">Delete</a>	<a href="#">Edit</a>
Unavailable	Temperature Measurement Device	Subtype	Subtype 2	Unavailable	<input type="checkbox"/>	<a href="#">Delete</a>	<a href="#">Edit</a>

Figure 2-5: Status Options

In Figure 2-6 there are the House Divisions. Through this page, the user is able to get informed in which room of the house each one of the sensors is installed.



The screenshot shows the HOPE web application interface. At the top left is the HOPE logo. Below it is a navigation menu with items like Administration, System Setup, Device Types, etc. The main content area is titled 'House Divisions' and contains a table with the following data:

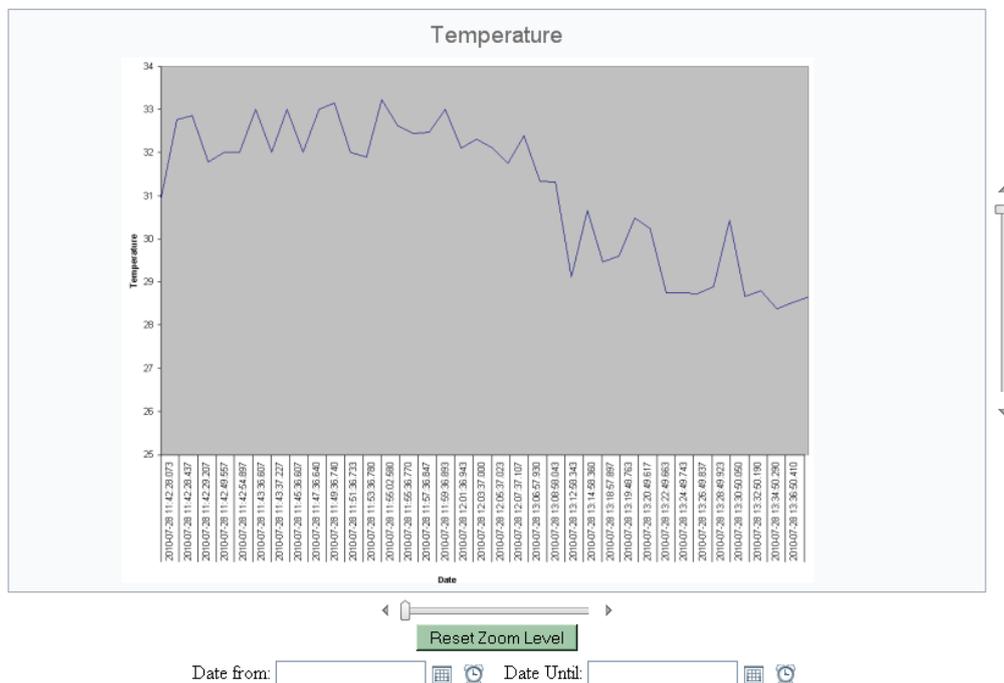
Division Name	Description	Deleted		
Bedroom	Bedroom	<input type="checkbox"/>	Delete	Edit
Kitchen	Kitchen	<input type="checkbox"/>	Delete	Edit
Living room	Living room	<input type="checkbox"/>	Delete	Edit
Other	Other	<input type="checkbox"/>	Delete	Edit

Figure 2-6: House Divisions

In Figure 2-7 the houses where the HOPE project has been installed can be seen, as well as the residents of the house, the people involved and the connected devices. If the user clicks for example, on the temperature sensor, then the temperature diagram will be created (Figure 2-8). Through this diagram, the patient's relative has the chance to get informed about the environmental conditions in the house.

The screenshot shows the 'Houses' management interface. It features a navigation menu on the left with options like Administration, System Setup, Tasks, Patients, Houses (selected), Alarms Threshold, Transactions, Reports, Statistics, and Start page. The main content area displays a table of houses with columns for House Name, Telephone 01, Telephone 02, Description, Address, Zip Code, Area, City, Region, House Country, Deleted, and actions (Delete, Edit). Two records are visible: 'D House' and 'House1'. The 'House1' record is expanded to show a 'Devices' sub-table with columns for Device Name, Device Type ID, Device Subtype 1 ID, Device Subtype 2 ID, Serial Number, Installation Date, Remove Date, Description, Deleted, and actions (Delete, Edit). A 'Temperature' device is listed with a serial number of 10000050c236656b and an installation date of 26/07/2010.

**Figure 2-7: Houses**



**Figure 2-8: Temperature Diagram**

## 4 The HOPE leaflet

HOPE Project consortium partners participated in the AAL Forum that took place in Vienna September 28th to October 1st 2009. During the forum, the consortium presented the project to forum guests by distributing the HOPE leaflet and presenting the HOPE poster, and exchanged ideas for its improvement and targets.

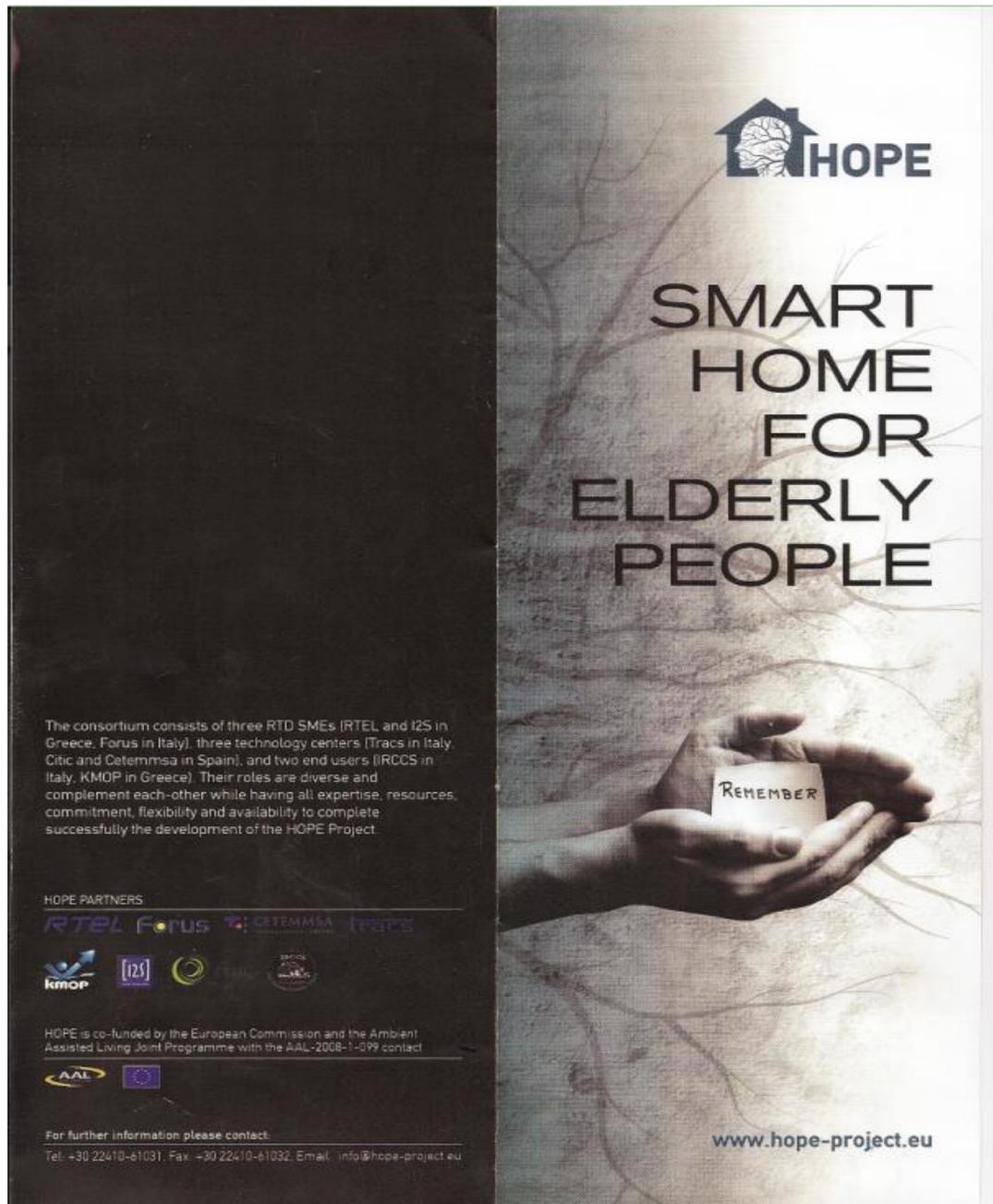


Figure 3-1: The HOPE leaflet

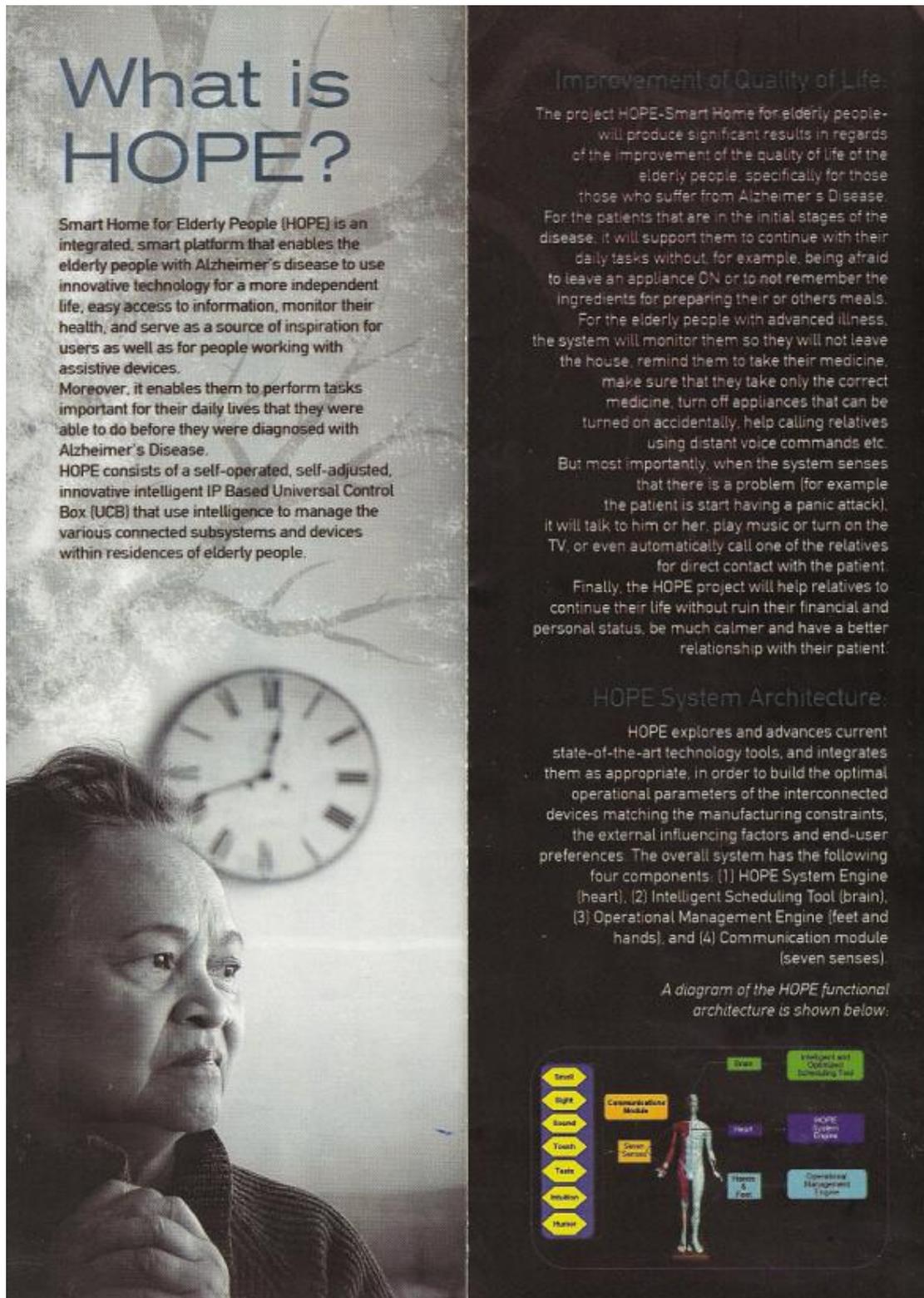


Figure 3-2: The inner side of the HOPE leaflet

## 5 The HOPE poster



Figure 4-1: The HOPE poster

## **6 Conclusion**

All things considered, the HOPE consortium has used most of the types of media in order to advertise the HOPE system and inform the people about its capabilities and its usage. A web page has been developed where the latest news of the consortium can be found. Moreover, a User interface which supplements the demo installations has been created, and used by the doctors and the patients' relatives. Additional to the internet based applications, the HOPE consortium has distributed the HOPE leaflet, and presented the HOPE poster during the AAL Forum that took place in Vienna on September 28th to October 1st 2009.