

 <p>HOPE SMART HOME FOR ELDERLY PEOPLE</p>	<p>HOPE Project</p> <p>AAL-2008-1-099 Smart Home for Elderly People</p>
<p>Project Presentation V1</p> <p>Report Version: 1</p> <p>Report Preparation Date: 31.08.2009</p> <p>Classification: Restricted</p> <p>Partner Responsible: Rtel sa</p> <p>Contract Start Date: 07.07.2009</p> <p>Project Coordinator: Rtel sa, Greece</p> <p>Partners: Forus Srl, Italy Cetemmsa Technology Centre, Spain Citic Foundation, Spain Kmp Organization, Greece I2s sa, Greece Tracs srl, Italy Forus srl, Italy</p>	
 <p>AAL 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 banner page of this site (<http://www.hope-project.eu/index.asp>) is shown. Through this page the user will be able to 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 Banner page of the official site

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

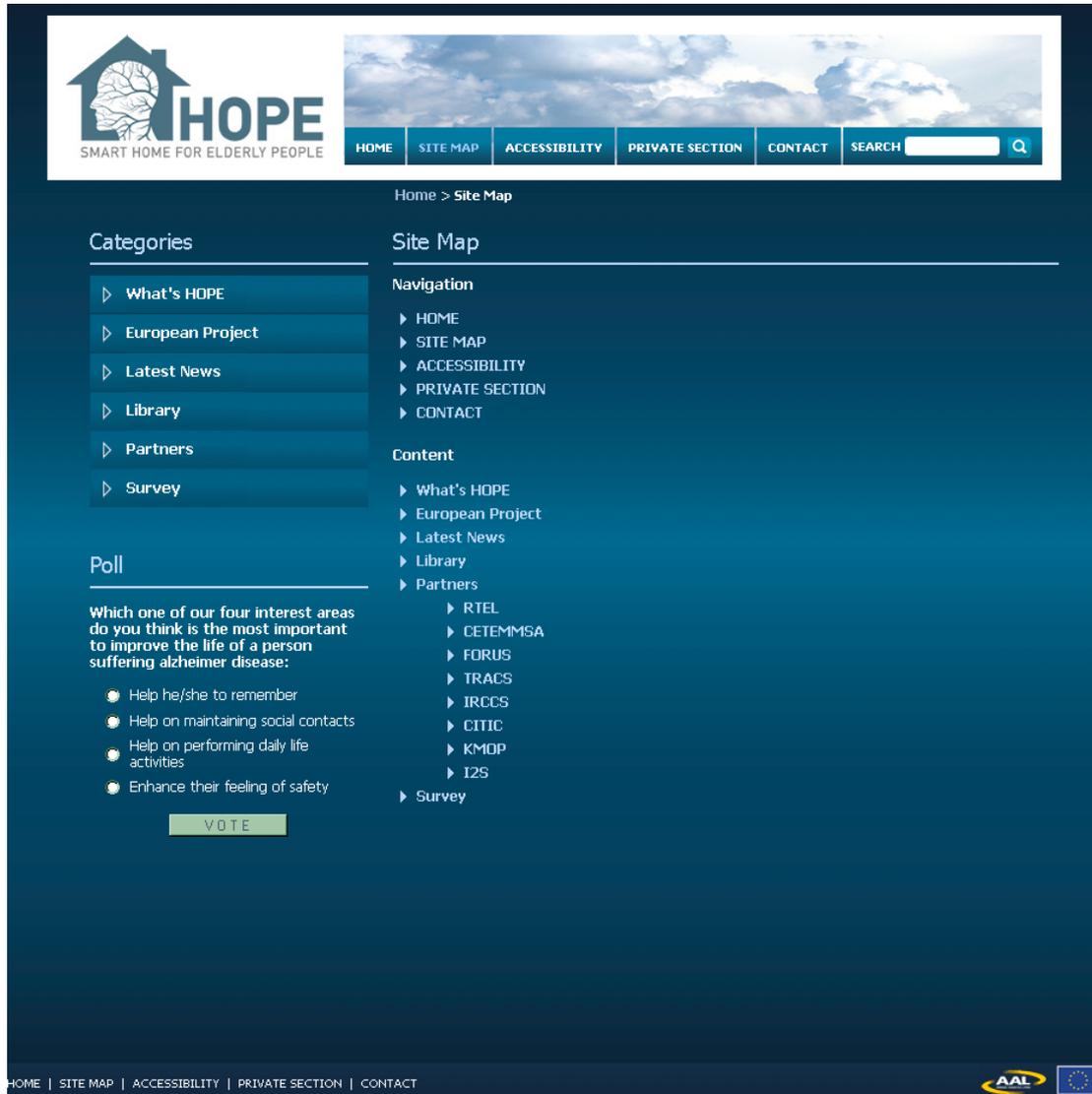


Figure 1-2: Site map of the official site

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.

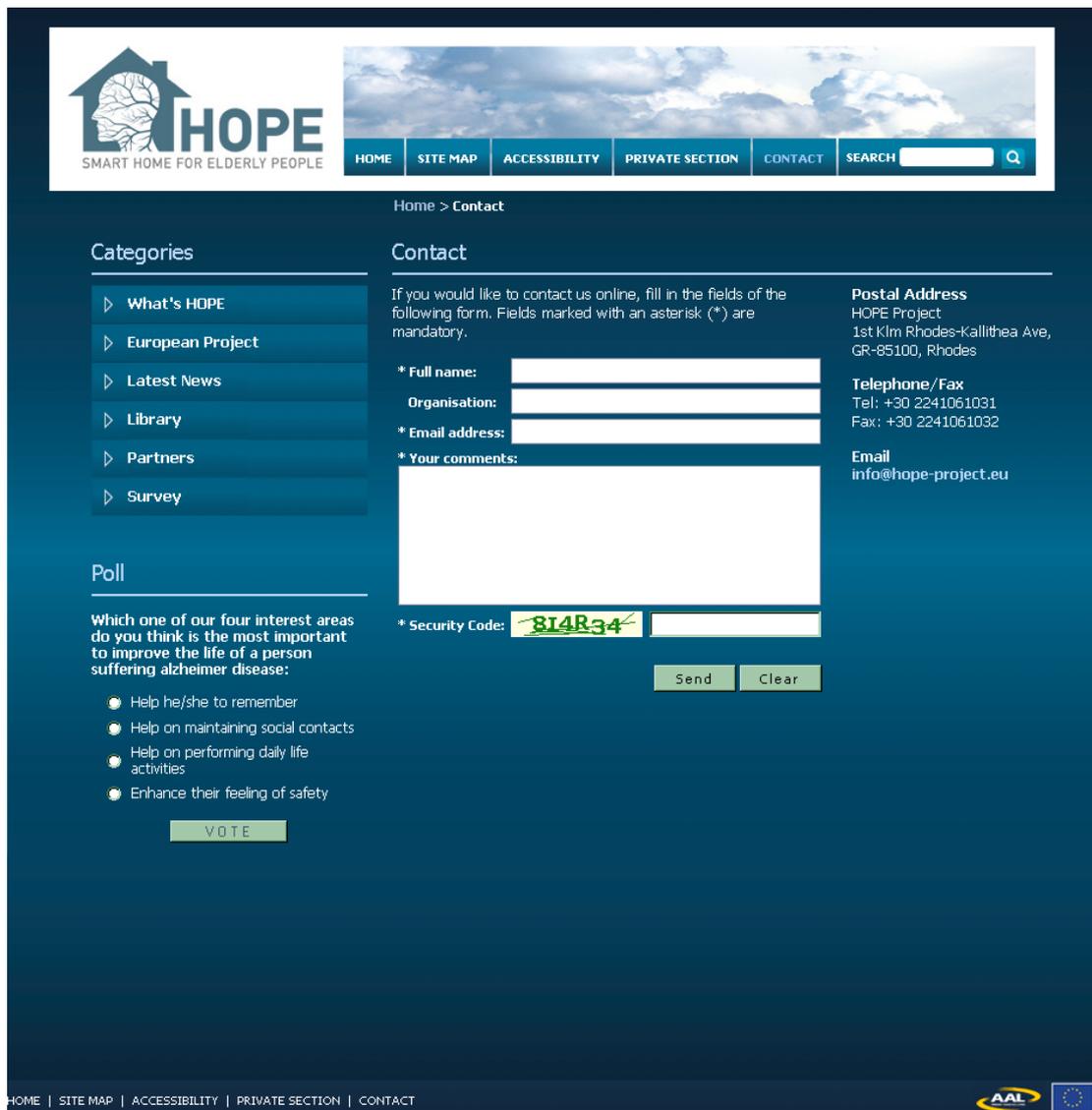
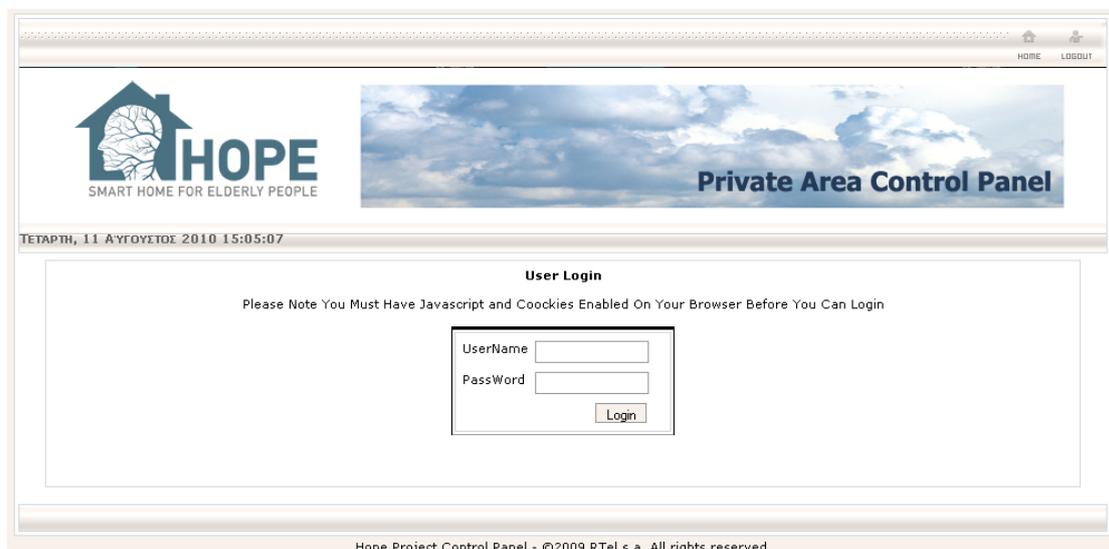


Figure 1-3: Contact form of the official site

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.



HOME LOGOUT

HOPE
SMART HOME FOR ELDERLY PEOPLE

Private Area Control Panel

TETARTH, 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.



HOPE
SMART HOME FOR ELDERLY PEOPLE

Welcome to HOPE web

Username

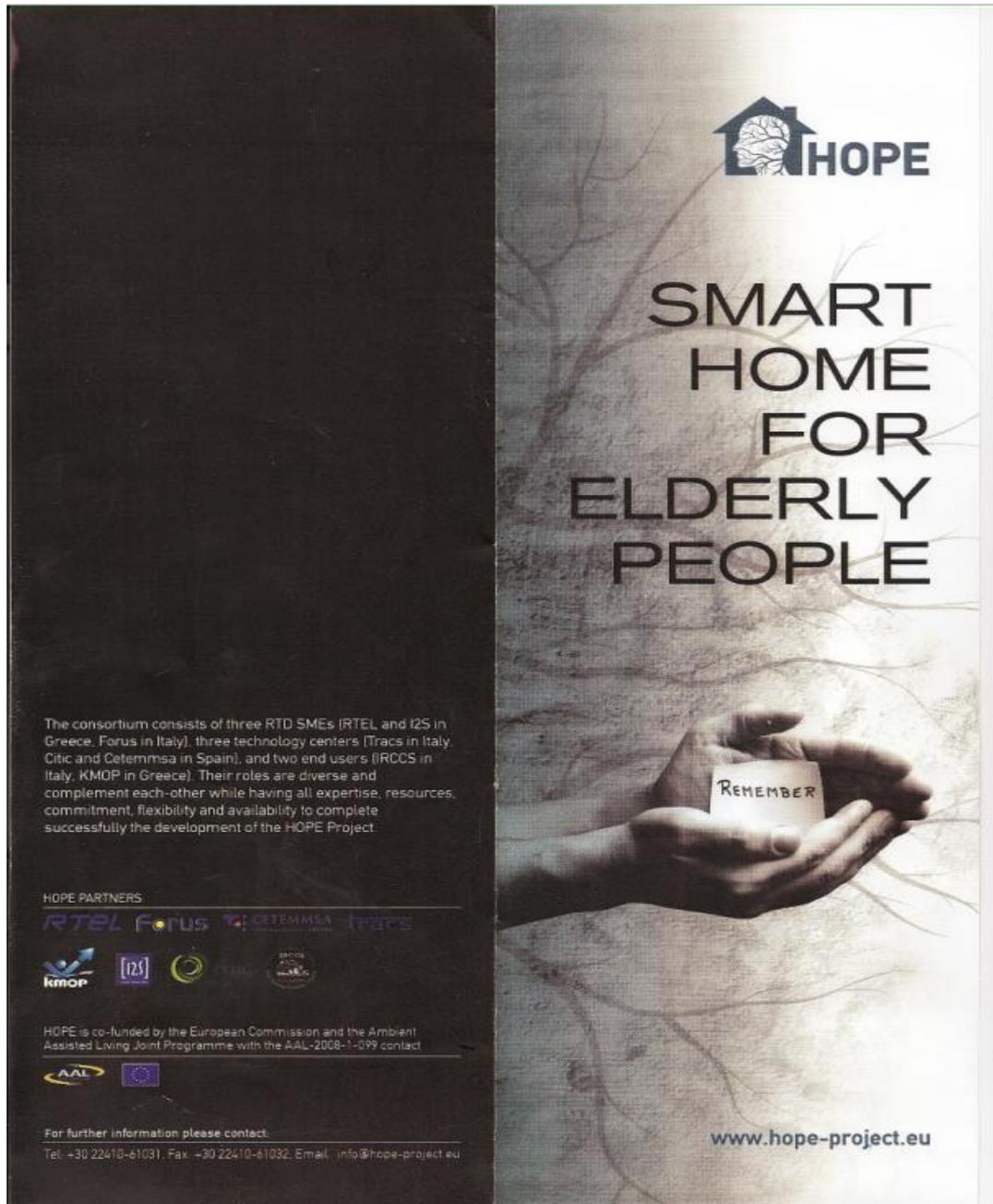
Password

Please Select Language

Figure 2-1: Login Page

4 The HOPE leaflet

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



HOPE

SMART HOME FOR ELDERLY PEOPLE

The consortium consists of three RTD SMEs (RTEL and I2S in Greece, Forus in Italy), three technology centers (Tracs in Italy, Citic and Cetemmsa in Spain), and two end users (IRCCS in Italy, KMOP in Greece). Their roles are diverse and complement each-other while having all expertise, resources, commitment, flexibility and availability to complete successfully the development of the HOPE Project.

HOPE PARTNERS

RTEL Forus CITIC CETEMMSA TRACS

KMOP I2S

HOPE is co-funded by the European Commission and the Ambient Assisted Living Joint Programme with the AAL-2008-1-099 contact

AAL

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www.hope-project.eu

Figure 3-1: The HOPE leaflet

What is HOPE?

Smart Home for Elderly People (HOPE) is an integrated, smart platform that enables the elderly people with Alzheimer's disease to use innovative technology for a more independent life, easy access to information, monitor their health, and serve as a source of inspiration for users as well as for people working with assistive devices.

Moreover, it enables them to perform tasks important for their daily lives that they were able to do before they were diagnosed with Alzheimer's Disease.

HOPE consists of a self-operated, self-adjusted, innovative intelligent IP Based Universal Control Box (UCB) that use intelligence to manage the various connected subsystems and devices within residences of elderly people.

Improvement of Quality of Life:

The project HOPE-Smart Home for elderly people- will produce significant results in regards of the improvement of the quality of life of the elderly people, specifically for those those who suffer from Alzheimer's Disease.

For the patients that are in the initial stages of the disease, it will support them to continue with their daily tasks without, for example, being afraid to leave an appliance ON or to not remember the ingredients for preparing their or others meals.

For the elderly people with advanced illness, the system will monitor them so they will not leave the house, remind them to take their medicine, make sure that they take only the correct medicine, turn off appliances that can be turned on accidentally, help calling relatives using distant voice commands etc.

But most importantly, when the system senses that there is a problem (for example the patient is start having a panic attack), it will talk to him or her, play music or turn on the TV, or even automatically call one of the relatives for direct contact with the patient.

Finally, the HOPE project will help relatives to continue their life without ruin their financial and personal status, be much calmer and have a better relationship with their patient.

HOPE System Architecture:

HOPE explores and advances current state-of-the-art technology tools, and integrates them as appropriate, in order to build the optimal operational parameters of the interconnected devices matching the manufacturing constraints, the external influencing factors and end-user preferences. The overall system has the following four components: (1) HOPE System Engine (heart), (2) Intelligent Scheduling Tool (brain), (3) Operational Management Engine (feet and hands), and (4) Communication module (seven senses).

A diagram of the HOPE functional architecture is shown below:

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

5 The HOPE poster



HOPE

SMART HOME FOR ELDERLY PEOPLE

REMEMBER

What is HOPE?

Smart Home for Elderly People (HOPE) is an integrated, smart platform that enables the elderly people with Alzheimer's disease to use innovative technology for a more independent life, easy access to information, monitor their health, and serve as a source of inspiration for users as well as for people working with assistive devices. Moreover, it enables them to perform tasks important for their daily lives that they were able to do before they were diagnosed with Alzheimer's Disease. HOPE consists of a self-operated, self-adjusted, innovative intelligent IP Based Universal Control Box (UCB) that use intelligence to manage the various connected subsystems and devices within residences of elderly people.

www.hope-project.eu

HOPE PARTNERS: **RTTEL** **Forus** **CETEMMSA** **tracs** **kmop** **[i2s]** **CITIC** **AAL**

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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 start disseminating the HOPE system and informing the people about its capabilities and its usage. A web page will be developed where the latest news of the consortium can be found. Moreover, a User interface which supplements the demo installations has been created, and will be used by the doctors and the patients' relatives. Additional to the internet based applications, the HOPE consortium has developed the HOPE leaflet and a poster that will presented during the AAL Forum that will take place in Vienna on September 28th to October 1st 2009.