# Ambient Assisted Living Joint Programme Call 2

# D5.1: System Deployment

#### Proposal full title: VIRTUAL NETWORK TO EMPOWER THE INTEGRATION OF SENIORS INTO AN ACTIVE COMMUNITY IN THE POST RETIREMENTYEARS

Proposal acronym:

#### SENIORENGAGE



### List of participants:

Participant no.*	Participant organisation name	Participant short name	Organisation Type	Country
1 (Coordinator)	Centre de Recerca i Investigació de Catalunya, S.A.	CRIC	SME	ES
2	Feltalálói És Kutató Központ Szolgáltató KFT.	MFKK	SME	HU
3	Center for Usability Research and Engineering	CURE	R&D	AT
4	JAMK university of applied sciences	JAMK	University	FI
5	Microlink PC Itd	MICROLINK	SME	UK
6	Association of Care Giving Relatives of Jyväskylä Region	CAJYR	End-user Organisation	FI



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## 1 Introduction

The aim of this document is to introduce the software prototype that has been deployed publically under at following address <u>http://188.121.62.146/elgg/</u>. Although some work is still in progress the platform deployed is at an advanced stage.

Next, the different features of the system are detailed with the help of some screenshots. These features reflect the functionalities detailed in the deliverable *"D4.1: System Design and Architecture"*.

### 2 User Access and registration

*Figure 1* presents the login page. It permits the access of registered users to the system by inserting the *Login*, the *Password* and clicking over on *Log in* button. Access with other login providers such as *Yahoo* or *Aol* is provided.



Figure 1: Login

Clicking on *Register*, the user accesses the registration form shown in *Figure 2*. This form contains the basic fields needed in order to register a new user in the system. Two different types of users can be registered in the system, *regular users* and

*companies*. These users are differentiated by their profile in the system. More details can be input into the profile as detailed in *Section 6*.



Figure 2: Register screen

# **3** Accessibility

### 3.1 Font Size

Easy access to font size customization is provided. The user can select different sizes from a minimum of 16pp to a maximum of 24pp. The font size settings of the user are remembered by the system and applied every time the user logs-in.



Figure 3: Font size selector

### 3.2 Contextual Help

User can enable Contextual Help by clicking the question mark icon on the top right corner on the website.



Figure 4: Enable contextual help

After enabling the help system the background colour of this block will be changed to orange and small icons will appear on the whole website indicating that help information belongs to the block.



Figure 5: The block where user can get some help

User can show and hide information text by clicking on the small orange icon.



Figure 6: Showing information about the functionalities

Only administrator can edit, add or remove the content of the contextual help by clicking the "Enable CTHelp admin" link on the bottom of the Contextual Help information box.



Figure 7: Admin has rights to modify the content

After clicking this link the text of the link changes from enable to disable so user can disable the admin mode easily. To edit the Contextual Help user has to click to the chosen HTML element.

	Tag	to add contextual help	
	Lang	uage: en	
		B I U S X₂ X² A A 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등	
c Culti	Sav	e	

Figure 8: Pop-up editor for the Contextual Help

After inserting the text user can save the content to the database or delete it to click delete button.

### 3.3 AtBar

Clicking on the *AtBar* link in the footer activates the *AtBar and it* appears at the top of the page. *ATbar* has been created as an open-source, cross-browser toolbar to help users customise the way they view and interact with web pages.



Figure 9: ATbar

The integration of the bar with SeniorEngage provides the system with the following features:



Magnifiers: This button allows user to increase or decrease the size of text.

Т Font type: Font button allows the user to choose a different type of font for the text and increase line spacing.



Spell Checker: Select the Spell Checker button while writing in plain text form. Suggestions are shown below the text-area after a pause. Disable the checker by selecting the button once more.

**Dictionary**: Select the Dictionary button after highlighting a word in the web page and a definition from Wiktionary will appear.



Text-to-speech: User can select the text-to-speech button and choose whether user wants the whole page to be read out loud or just the highlighted text. Users can highlight a portion of text before selecting the Text-to-Speech button to have only that text read out. Wait for that section to finish before highlighting a new section of text.

**Readability:** A service that allows the user to read web pages without much of the usual clutter. It is possible to print, share are read pages later. The service works on a mobile and tablet. User will need to relaunch the ATbar to use text to speech etc. Return to the original view by using your browser back page menu button or the one offered by the Readability service.

DI.

Word prediction: Offered by AIType and will work with most plain text edit forms. Select the menu button and begin typing. Allow a second for the word list to appear after the first few letters. It allows users to finish the word or choose another. It can help with spelling, word finding and may even speed typing.



Styles: Select the Styles button to alter the colour of the ATbar toolbar, change the web page colours - background, text and links or choose pre-made page

styles. Some web page colour changes also impact on the toolbar.



Help: Select help to gain access to instructions for use.



**Return**: Select the return menu restores the webpage to its original style.

# 4 Learning Materials

User can visit the Learning Materials page by clicking the Monitor icon in the box bellow.



Figure 10: Click to jump to Learning Materials page

On the Learning Material page user can see the following topics:

- Email
- Chat
- Video Calls
- Social Networking
- File Sharing
- Wiki
- Photo Editing
- Security

All topics contain several videos for better understanding of the module:



Figure 11: Learning material videos in a Topic

User can watch video in a popup window by clicking the link.



Figure 12: Watching the learning material video

### 5 Header

*Figure 13* presents the header when the user is logged-in. The header provides access to the different sections and functionalities of the platform. Different types of notifications are also provided.



Figure 13: Header

### 5.1 Notifications

Notifications appear in the main menu to alert the user when he or she has new conversations or new contact requests. Notification windows appear to provide useful

information about the actions the user trying to perform. These windows are modal and made the main window darker to ensure the user reads them.

#### 5.2 Language selector

SeniorEngage is provided in different languages. The user can select the preferred language for the interface through the language selection bar located on the top right corner.



Figure 14: Language selector bar

#### 5.3 Breadcrumbs

Breadcrumbs are located in the bottom of the header and provide a trail for the user to follow back to the starting or entry point. A greater-than sign (>) is used as a hierarchy separator.

```
Start > Conversation > Message > Inbox > Hello Mr. Elgg
```

Figure 15: Breadcrumbs

### 6 Profile

The user profile provides the information related with the user in different areas of interests. This information can be edited by the user as desired by accessing the *Edit Profile* form. The user is also represented with an avatar image throughout the platform.



Figure 16: User profile

When the user is accessing another user's profile the possible actions the user is allowed to perform are the following:

- Add contact: Request to add the user as a contact.
- Remove contact: Remove the contact relationship if the user is already a contact.
- Send message: Send a private message to the user.

#### 6.1 Edit avatar

*Edit avatar* allows for changing the user avatar image. This image is used throughout the different sections of the system to identify the user. The user can select the new avatar image from his hard disk clicking on *select file* and can redefine the picture area using the *avatar cropping tool* situated in the bottom of the page.



Figure 17: Edit avatar

#### 6.2 Badges

Users are rewarded with badges after performing certain actions in the system and incentivizes engagement. These badges are visible in their profile. The ones achieved are shown in colour meanwhile the ones are not are displayed in grey. When a user receives a badge the system displays a notification and the corresponding badge changes its colour. A list of the different badges implemented in the system is provided below:



**Communicator:** Use the chat or videoconference for the first time.



Expert: Answer your first question.



Mentor: Answer more than 10 questions.



**New user:** Sign in the system for first time.

**Topic leader:** Most activity in a certain topic.



Socialite: Reach 20 contacts.



7 Dashboard

The dashboard is the entry point to the system, and the first page the user view after he logs in. The dashboard is divided in two differentiate sections:

- Your contacts activity provides information about the activities that user contacts have performed in the system, i.e. participate in a conversation or upload a file.
- **Suggestions** contain different profiles and topics that can be of interest to a user. These recommendations are based on the content generated by the user.

Your contacts activity	Suggested users
Care Giver joined the topic pöytäliinat ja verhot 14 naga	vilhelmiina
pirkko lahti replied on the discussion topic Amerikanlippukuorrute ebben	
a csoportban: Syntymäpäiväkakut 14 napja Lisäsin tietostoliini kuvan vaimiista kakusta. Siltä on hyvä parantaa ensi vuoden kekkereitä varten	Milena
pirkko lahti uploaded the file Valmis amerikanlippukakku ebben a	
csoportban: Syntymäpäiväkakut 14 napja Täliainen siitä amerikaniippukakusta sitten loppujen lopuksi tuli. Sininen väri osoittautui alvan	
vääräksi, muta petrasin sitä vähän mustikalla.	Inari
pirkko lahti replied on the discussion topic Viimeksi luettua ebben a csoportban: Kirjoista kiinnostuneet 15 nagis	
Olen lukenut vlime aikoina italiasta kertovia romaaneja (esimerkiksi Toscanan auringon alia ja Extra	
virgin). Ne ovat kevyitä ja parhaimmillaan luovat mukavia italiaan liittyviä mielikuvia.	lautii
pirkko lahti joined the topic Kirjoista kiinnostuneet 15/aaga	-
pirkko lahti ismerősnek jelölte őt. Care Giver 15 nagla	Julia1989
pirkko lahti replied on the discussion topic Kansainvälinen	
fysioterapiapäivä 8.9.2012 ebben a osoportban: Fysioterapia 15 nagia Mielerkiintoista! Jos vaikka kaivaisin lääkintävoimistelijamerkin rintapieleen. Nimim.	
lääkintävoimistelija vuodelta 1980	Suggested topics
pirkko lahti joined the topic Fysioterapia 15 napja	
	Lapin käsityöt
Care Giver ismerősnek jelölte őt: heluna 15 napja	
Care Giver ismerősnek jelölte őt: heluna 15 napja	Fysioterapia
pirkko lahti ismerősnek jelölte őt: kaarnikka 20 napja	Joukkuevoimistelu
	Kokemuksia, kysymyksiä ja kaikenlaista tästä aihee

Figure 18: Dashboard

## 8 Conversations

The *Conversations* section is intended to enable the direct communication between users. Under this section are included the *messages*, the *text chats* and the *video chats*. The main page of the conversations section presents a list with all the different kinds of conversations the user is included in.

Start > Conversation > List of conversation	\$	
List of conversations	You are included in 13 conversations	ACTIONS
Messages Contact persons who are not currently online New message 6 new messages Chats	Care Giver to You 14 napja Information Dear Mr. Eff, I just tried the vid	← Read
Contact currently online persons	pirkko lahti to You           15 napja           Image: RE: FWD: testing           Muchas gracias! I checked and I'm a	← Read
	pirkko lahti to You 15 napja ext testing testing	← Read ■ Delete ← Forward
	pirkko lahti 22 napja	← Join
	pirkko lahti to You 23 napja Ize Hi	Read

Figure 19: Conversations

### 8.1 Messages

The *Messages* functionality allows users to send private messages between them. These messages include text and may include files attached (of any type).

The main page of the Messages section displays the messages the user has received sorted by time. From this list the user can *read*, *delete* or *forward* the messages. When the user reads the message he or she enters in the message detail shown in *figure 21*.

Inbox	Inbox Sent messages	
Messages Contact persons who are not currently online		ACTIONS
New message     Gnew message  Chats Contact currently online persons  New chat	Care Giver to You 2 hours ago ■ Hello Mr. Elgg Dear Mr. Elgg. greetings from Eindh	Read
	Care Giver to You 20 days ago Sinformation Dear Mr. Elff, I just tried the vid	Read
	Figure 20: Messages list	

Message detail	ACTIONS
Hello Mr. Elgg	2 hours ago 🏾 🏠 Reply
From Care Giver to You	Torward
	© Close
Dear Mr. Elgg, greetings from Eindhoven.	
	Hello Mr. Elgg From Care Giver to You

Figure 21: Message detail

When the user clicks on *new message* the form of the *Figure 22* appears. The form allows sending the message to more than one receiver through the user selector.

Start > Conversation > Message > Compose a r	nessage	
Compose a message	Inbox Sent messages	
Messages Contact persons who are not currently online New mossage Finew mossage	To:	ACTIONS
Chats Contact currently online persons	Subject: Attachment: Seleccionar archivo No se ha seleccionado ningun archivo Message:	Send .

Figure 22: Message composer

### 8.2 Text Chat

*Text chat* allows real time text communication between two or more users. Once the conversation is created a new room is opened and the participants will receive a notification. After that, participants are able to join the conversation room.

On the top of the text chat screen a list with the participants is presented, displaying in green the ones that are currently connected.

Start > Conversation > Chat			
Chat	Separate pirkkolahti admin		
Messages Contact persons who are not currently online			ACTIONS
E New message	Text Chat		L Exit
Chats Contact currently online persons I new conversations	admin: joined the conversation admin: hello!	18:09 18:09	
	Write message		Send message

Figure 23: Text chat screen

### 8.3 Video Chat

*Video chat* provides a real time video and audio communication between up to five participants. Once the video conversation is created a new room is opened and the participants will receive a notification. After that, participants are able to join the conversation room.



Figure 24: Video chat screen

When the user enters in the room the system will ask for his permission to use the webcam and the microphone. During the conversation the user is able to pause the video and/or audio transmission clicking on the respective *audio* and *video* buttons on the bottom of the screen.

On the top of the video chat screen a list with the participants is presented, displaying in green the ones that are currently connected.

# 9 Contacts

Users can add other users as *contacts*. Users can request to establish a contact relationship in different points of the system, such as the profile. When accessing the contacts section a list with the user's contacts is presented. This list provides quick access to the *user profile*, to *start a conversation*, to *send a message* or to add the user as a *mentor*. Clicking on the profile image will access the profile details. A label presenting the current status of the user (online/offline) also is presented.

lgg contacts	Contacts Directory Mentor Requests I	Invite
Contacts	2 contacts	ACTIONS
	Care Giver Interests	<ul> <li>View profile</li> <li>Sand message</li> <li>Start chat</li> <li>Mentor</li> </ul>
	pirkko lahti Interests	View profile

Figure 25: Contacts list

### 9.1 Directory

*Directory* provides a quick view of all the contacts the user has. The contacts that are currently online are presented in green.

Elgg contacts	Contacts Directory Mentor Requests Invite
	Contacts Directory Wentor Requests Invite
Contacts	
Browse your contacts and check contact requests	
	abcdefghijklmnopqrstuvwxyz
	a sou orgnijki mno pqi ota tin xyz
	c
	CareGiver
	p
	pirkkolahti

Figure 26: Directory

### 9.2 Mentors

*Mentors* provide a list similar to the one presented in *Figure 25*, with the contacts the user considers as his mentors.

### 9.3 Requests

Before a user is added as a contact he has to accept the *contact request*. The request section provides the functionalities to control the requests. This section is divided into two sub-sections.

- **Received contacts requests**: This sub-section displays the contact requests the user has received. For each request the user is allowed to approve it or reject it.
- **Pending contact requests:** This sub-section displays the contact requests the user has sent. The user can revoke the requests.

Start > Contacts > Contact Requests		
Contact Requests for: Robert Capa	Contacts Directory Mentor Requests Invite	
Contacts Browse your contacts and check contact requests		ACTIONS
1 new requests	Received Contacts requests	
	Pedro Avila	Approve     Occline
	Sent Contacts requests	
	Manuel Jimenez	® Revoke

Figure 27: Requests

### 9.4 Invite

The *Invite* section allows users to send e-mail invitations to their contacts that aren't already using SeniorEngage. To perform the action the user must introduce the list of e-mails and edit the predefined message (if desired).

Contact Requests		
Invite friends	Contacts Directory Mentor Requests Invite	
Contacts		
Browse your contacts and check contact requests		ACTIONS
	To invite friends to join you on this network, enter their email addresses below (one per line):	Send
	Enter a message they will receive with your invitation:	
	I want to invite you to join my network here on SeniorEngage.	

Figure 28: Invite

# **10 Topics**

Around subtopics users can discuss and share resources. Each subtopic is included under one main topic. Users are allowed to create new subtopics and join the existing ones.

### 10.1 My topics

*My topics* provide direct access to the subtopics the user is subscribed to as is presented in the *Figure 29*.

My topics	Participants		ACTIONS
	Aikuiserityiskasvatus	2 Participants	Enter
	Luontaishoidot	3 Participants	E Enter
	Oppikirjoja ATK-opetukseen	2 Participants	D Enter

Figure 29: My Topics

### 10.2 All topics

This section provides a list of subtopics classified for their main topic. Clicking on a main topic user will access the list of all subtopics under this category. Clicking on a subtopic the user will access the content of the subtopic.

Start > All Topios			
All topics			
Accounting and himanoa	Administrative support	Agriculture No topica in this calegory	Clearly and Wallness
Building Construction and Statlad Index No topics in this calegory	Business and Management	Creative and Design - Alcuserlystematur - Musice optics - Fystolengis	Customer Support and Client Care No topics in this category
bolitonel and Writing No topics in this category	Enginieening No topics in this category	Food Services and Hospitality No topics in this calegory	No logice in the category

Figure 30: All topics

### **10.3 Subtopics**

*Subtopics* are intended to be a structured meeting point to share content and discuss ideas between users. In the system subtopics are divided in three main sections: *Discussions, Files* and *Participants.* 

Start > All Topics > Legal > pöytäliinat ja ve	rhot	
pöytällinat ja verhot	Discussions Files Participants There are 1 discussions	ACTIONS
		<ul> <li>✔ Edit</li> <li>➡ New discussion</li> </ul>
	puutarha 39 n meila Replies (2)	apja 🕒 Enter

Figure 31: Subtopic

#### 10.3.1 Discussions

Users can start discussions related with the subtopic. Once a new discussion is opened users can enter and leave replies using the reply form in the bottom of the page to participate in the conversation.

Start > All Topics > Legal > pöytäliinat ja verhot	> puutarha	a		
pöytäliinat ja verhot	Discuss	sions Files Participants		
Discussions	•			
Discuss with others about the thread				ACTIONS
New discussion		From merla	39 napja	🖉 Edit
Files Files that SeniorEngage users have uploaded		omenapuut		Delete
+ New file		From merla	24 napja	
		Haluaisin tietää kuinka ison montun kunnolla istutetuu.	omenapuu tarvitsee että se olisi	
	602-	From pirkko lahti	23 napja	
		Hei Mervi! Luin jostain, että istutusk syrä ja halkaisijaltaan vähintään sar sanoneenjossian tv-ohjelmassa, että kastella istutuskuoppaa riittävän hyv kuultuani olen yrittänyt muistaa Tarj istutuskuoppaan ämpäritolkulla vetta	man verran. Muistan Tarja Halosen å ihmiset eivät yleensä hoksaa vin ennen puun istuttamista. Sen an neuvon ja äyskäröinyt	
	Válasz			Válasz

Figure 32: Discussion

#### 10.3.2 Files

Users are allowed to upload different types of resources under the subtopic section. These resources are held in the *Files* section.

The user can upload all kind of files, but some of them, i.e. the audio files, are playable directly from within the platform. The system also offers the possibility of link videos from the main video repositories that are available now (*YouTube, Vimeo*, etc.).

All site files	Discussions Files Participants		
Discuss with others about the thread			ACTIONS
Files Files that SeniorEngage users have uploaded			New file     Link video
C New file	Valmis amerikanlippukakku by pirkko lahti	20 days ago	<ul> <li>✓ View</li> <li>Ø Download</li> <li>Ø Edit</li> <li>Belete</li> </ul>
	Käärmekakku by pirikko lahti	50 days ago	<ul> <li>View</li> <li>Download</li> <li>Edit</li> <li>Delete</li> </ul>

Figure 33: Files

All these resources are listed when the user enters the *Files* section. The user can see the detail of the files with the preview (whenever it is available) and download or comment on them.



Figure 34: File detail

#### 10.3.3 Participants

The *Participants* section presents a list with the users that have subscribed to the subtopic. Users can access their profiles or start a private conversation with them.

Participants	Discussions Files Participants	
Discussions Discuss with others about the thread	3 participants	ACTIONS
Rew discussion  Files  Files  It is senorEngage users have uploaded  There file	Offine	<ul> <li>View profile</li> <li>Send message</li> <li>Start chat</li> </ul>
	Care Giver Interests Online	<ul> <li>View profile</li> <li>Send message</li> <li>Start chat</li> <li>Remove mentorship</li> </ul>
	pirkko lahti Interests	<ul> <li>View profile</li> <li>Send message</li> <li>Start chat</li> <li>Remove mentorship</li> </ul>

Figure 35: Participants

### 11 Search

The *Search* bar presented in the header of the application allows users to perform searches throughout the entire site based on keywords. As shown in *Figure 37* the results obtained are classified into different categories (contacts, topics, discussion, files, etc.).



Figure 36: Search bar

Results for "Musiikin opetus"	Results for "Musiikin opetus" Topics		
All	Musiikin opetus		
Contacts			
Topics			
Discussion			
Files			

Figure 37: Search results

## **12** Report content

The link in the footer "*Report this page to an administrator*" allows users to report inappropriate content to the administrator. When the user clicks on this link the form shown in the *Figure 38* appears. The content reported will be received by the system administrator who can take the pertinent actions.

	ACTIONS
Page title	
SeniorEngage: All topics	Report this
Location of the item	
http://188.121.62.146/elgg/topics/all	
Why are you reporting this?	

Figure 38: Report content