

JOINT PROGRAMME

ICT for ageing well

Catalogue of Projects 2013



WHO WE ARE

The programme is a so-called article 185 of the TFEU, which is therefore financed by the European Commission and the 22 Countries that constitute the partner states of this Joint Programme: Austria, Belgium, Cyprus, Denmark, Finland, France, Germany, Hungary, Ireland, Israel, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Romania, Slovenia, Spain, Sweden, Switzerland and the United Kingdom. The AAL JP is initially set up for a duration of 6 years, from 2008 to 2013. The programme's planned total budget is 700 M€, of which approx. 50% is public funding - from the AAL Partner States and the European Commission - and approx. 50% is private funding from participating organisations.

WHAT WE DO

The objective of the AAL JP is to **enhance the quality of life of older people and strengthen the industrial base in Europe through the use of Information and Communication Technologies (ICT)**. The most important activity of the AAL Joint Programme is the regular publication of calls for proposals for research, development and innovation projects in the field of ICT for Active and Healthy Ageing. The programme co-funds projects within the user-driven-innovation paradigms between minimum three partners from AAL JP Partner States. The organization also supports project activities and organizes the annual Forum to showcase all solutions to the European audience.

USERS & MARKET ORIENTED

Users are always involved in the AAL JP projects and they participate in developing their own solutions. The time-frame for market introduction is two to three years after the end of the project. The AAL JP has had some success in helping to create favourable conditions in industry, and many SMEs in particular have greatly benefited from being involved in the programme. For example, they have acquired new knowledge of technologies, services, markets, and other actors in the field.*

*Interim Evaluation Report of the AAL JP, 2010

AMBIENT ASSISTED LIVING

JOINT PROGRAMME

Each national funding agency of the AAL Joint Programme appoints a National Contact Person who is responsible for the respective national activities for organising and implementing the AAL Joint Programme (see last page for details).

For more info on how to contact them, please visit our website at www.aal-europe.eu/contacts

For other info regarding the general functioning of the programme, please visit us at www.aal-europe.eu/about



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AMBIENT ASSISTED LIVING



CALL 1

ICT based solutions
for Prevention and Management
of Chronic Conditions
of Elderly People

A²E²

Adaptive Ambient Empowerment for the Elderly

End-users are involved in several phases of the project, including focus groups, pilots and an effectiveness study. Three groups of end user are used: elderly clients, care professionals and care researchers. User requirements are based on info from these groups and based on state of the art scientific literature. Based on this info a behavioral and motivational enrichment program is designed. Personal virtual coaches are created who help them to find the right balance between activity and rest throughout each day. A sensor platform is built and integrated to the virtual coach system platform. The coach is connected to several bio-sensors including activity sensors, blobo's, blood pressure- and weight sensors for interaction and adaptive feedback. This daily organizational structure is designed by a care program manager and researchers through a simple interface to create and arrange events for the client. Using this interface, the program manager can set the speech, language, and emotional character of the virtual coaches.



PARTNERS

VUA University Amsterdam	R&D	The Netherlands	www.vu.nl
Hospital IT AS	SME	Norway	www.hospitaltiy.no
Mawell	SME	Finland	www.mawell.fi
AMSTA	End-users	The Netherlands	www.amsta.nl
VTT	R&D	Finland	www.vtt.fi

Name of the project:

A2E2: Adaptive Ambient Empowerment for the Elderly

Coordinator:

VUA University Amsterdam

Duration: May 1st 2009 – April 30th 2013

Starting date: May 1st 2009

Total budget: € 3.074.485,72

Public contribution: € 2.024.721,72

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AGNES

User-sensitive Home-based Systems for Successful Ageing in a Networked Society

AGNES will start by providing a basic ICT platform to create and maintain an easy-to-use web-based social network for individual elderly persons. This platform will be used to stimulate the elderly person. Timely information will be passed to the network on the activities and subjective state of the elderly person (e.g. presence, state of wellness, etc) allowing for a much better-tailored and timely response, attention and care so as to improve and maintain the well-being and independence of the elderly living in their own homes and reduce healthcare costs.

The project will address chronic conditions such as mild cognitive impairment, and develop and test solutions to alleviate and/or prevent them. Informal carers, friends and family members will have greater access to information about the person, and those at a distance will be enabled to keep in touch and share activities with their elderly family member or friend, and to know their current condition.



PARTNERS

Umeå University, Dept. of Informatics	R&D	Sweden	www.umu.se
Can Controls	SME	Germany	www.cancontrols.com
Athens Information Technology	R&D	Greece	www.ait.gr
Graz University of Technology	R&D	Austria	portal.tugraz.at
Universidad Nacional de Educación a Distancia	End-users, R&D	Spain	portal.uned.es
ModernFamilies	SME	Austria	www.modernfamilies.net
Kendro Merimnas Oikoyennias kai Pediou	End-users	Greece	www.kmop.gr
ONDA Communication S.p.A.	Business	Italy	www.ondacommunication.com
Fundacion Instituto Gerontologico Matia	End-users	Spain	www.ingema.es
Skellefteå Kommun	End-users	Sweden	www.skelleftea.se

Name of the project:

AGNES : User-sensitive Home-based Systems for Successful Ageing in a Networked Society

Coordinator: Umea university, Sweden

Duration: 36 months

Starting date: 1 September 2009

Total budget: € 3.635.370

Public contribution: € 2.045.816

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ALADDIN

A technology pLatform for the Assisted living of Dementia eLderly INdividuals and their carers

The *Carer's Client Application* is used at home by carers and patients to access the services of the ALADDIN platform securely. Carers fill in the ALADDIN questionnaire for neuropsychological assessment from home, allowing for the patients' cognitive, behavioural and functional assessment. Physiological parameters (body weight and blood pressure) are recorded and submitted by the carer using the application.

The Server Application is the core of the platform. It implements the basic functionalities of the platform, provides secure communication with client applications, stores the information about patients and carers, provides the possibility to exchange information with external Hospital Information Systems (HIS).

The third part of the platform is External Services provided by external web portals. There are two types of services involved: cognitive games and a social network.



The Start Page of the Carer's Client Application which gives access to the various system services

PARTNERS

Institute of Communication & Computer Systems	R&D	Greece	www.iccs.gr
Fraunhofer-Institute for Open Communication Systems	R&D	Germany	www.fokus.fraunhofer.de
Alma Mater Studiorum-Universita di Bologna	R&D	Italy	www.eng.unibo.it
Psychiatric Hospital of Attica	End-User	Greece	www.ucl.ac.uk/ion/nationalhospital
The National Hospital for Neurology & Neurosurgery	End-User	United Kingdom	www.ucl.ac.uk/ion/nationalhospital
Badalona Serveis Assistencials	End-User	Spain	www.bsa.cat
ATOS Origin	Large enterprise	Spain	www.atosresearch.eu
Aethia Srl	SME	Italy	www.aethia.com

Name of the project :

ALADDIN / A technology pLatform for the Assisted living of Dementia eLderly INdividuals and their carers

Coordinator: ICCS

Duration: 27 months

Starting date: 1 September 2009

Total budget: € 1.970.322,97

Public contribution: € 1.471.673,94

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AMICA

Autonomy Motivation & Individual Self-Management for COPD patients

A simple idea behind COPD exacerbations detection complexities

What does a physician normally do in consultations?	What does AMICA do?
Questions related to the illness	Medical Questionnaire
Auscultation	Patient self-auscultation

Generally speaking, AMICA tries to emulate the medical consultation at home: auscultation and interview. To achieve this, a series of physiological signals are obtained daily by means of an ad-hoc sensor. This information is then extended by that provided by the patient interacting with a Dedicated Mobile Device. By combining information coming from sensors and provided for the patient, the system is able to set off medical alarms, modify small aspects of the patients' treatment program or lifestyle, or even suggest hospitalization.



PARTNERS

University of Cadiz	R&D	Spain	www.uca.es
Puerta del Mar University Hospital of Cadiz	End-users	Spain	www.juntadeandalucia.es/fundacionprogresoysalud/
Institute of Communication and Computer System	R&D	Greece	www.iccs.gr
Forschungszentrum Informatik	R&D	Germany	www.fzi.de/index.php/en/
MSC Hispania	SME	Spain	www.msc-ge.com/de/home/home/index.html
Vitaphone	Business	Germany	www.vitaphone.de
Innovaciones Socio Sanitarias	SME	Spain	www.sociosanitarias.com

Name of the project :

AMICA: Autonomy Motivation & Individual Self-Management for COPD patients

Coordinator: University of Cadiz (Spain)

Duration: 3 years

Starting date: April 2009

Total budget: 2.941.362€

Public contribution: 2.784.181€

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BEDMOND

Behaviour pattern based assistant for the early detection and management of neurodegenerative diseases

There is considerable interest in the ability to diagnose dementia of the Alzheimer type in the earliest possible stage of the disease.

It is known that people with Mild Cognitive Impairment (MCI) have a higher risk of developing Alzheimer. Its first indicators are subtly manifested in patients' daily behaviour patterns. Thus, an interest emerged for developing a technological system that can record and code behavioural changes occurring in the daily life of elderly persons applying low level sensors in the home. And this is, indeed, BEDMOND scope: an ICT-based system for the early detection of Alzheimer's disease (AD) and other neurodegenerative diseases on the basis of data assessment with health professional criteria. It addresses a system that supports the decision making process for the doctor for an early diagnosis, automating the information process related, first, to the recognition and modelling of the daily activity performed by the elder while being at home and, then, to the interpretation of deviations and behavioural changes detected.

Technology in use is based on standards and open source, and interoperability, modularity and scalability criteria. User involvement is tackled under a user-centric interactive process for design and development, ending with field trials for real testing in real environment.

PARTNERS

TECNALIA Research and Innovation Foundation (formerly ROBOTIKER Foundation)	R&D	Spain	www.tecnalia.com
INGEMA Foundation	End user, R&D	Spain	www.ingema.es
IBERNEX Ingeniería, S.L.	Business, SME	Spain	www.ibernex.es
AIT Austrian Institute of Technology GmbH	R&D	Austria	www.ait.at
Center for Usability Research & Engineering GmbH (CURE)	R&D	Austria	www.cure.at
METICUBE, Software Engineering	Business, SME	Portugal	www.meticube.com

Name of the project :

BEDMOND / Behaviour pattern based assistant for the early detection and management of neurodegenerative diseases

Coordinator: TECNALIA RESEARCH AND INNOVATION (Spain) / Health Technologies Unit

Duration: 36 MONTHS

Starting date: 1 June 2009

Total budget: 2,379,179.20 €

Public contribution: 1,378,564.51 €

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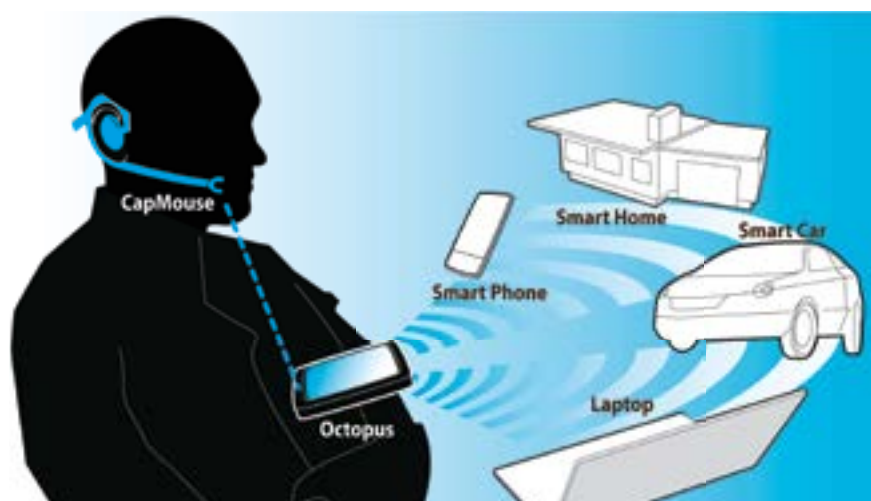
Website: www.bedmond.eu

CAPMOUSE

In The CapMouse project the essential Research & Development focus on the capacitive sensors and the interface for Octopus, i.e. the mobile, smart device.

The CapMouse/Octopus will connect with a cable and USB.

A Headset shall be prepared, by Lots Design, for only one sensor arm with 5 sensors and the sensors connect via PC to UART to I2C to sensor to sensor plate - a series of highly innovative technical development steps that is executed by Brusell Dental, HMC International in cooperation. The end users have been involved from the beginning of the CapMouse project. The iterative testing continues and will be finished during 2011, conducted by Lots Design and PRO. At the mid-term review, in December 2010, a 6 Months extension of the project was granted.



PARTNERS

Brusell Dental AS	SME, R&D	Norway	www.brusell-dental.com/aal
PRO	End-users	Sweden	www.pro.se
HMC International	SME, R&D	Belgium	www.hmc-products.com
Lots Design	SME	Sweden	www.lotsdesign.se
Stinct	SME	Sweden	www.shiftdesign.se

Name of the project :

CAPMOUSE

Coordinator: Brusell Dental

Duration: 36 Months

Starting date: 15062009

Total budget: 1,131,110 €

Public contribution: 540 000 €

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CARE

Safe Private Homes for Elderly Persons

This CARE initiative is an end-user driven R&D activity where end-users represent major market players in AAL activities as they are either elderly persons or they have direct relation and responsibility towards elderly persons ensuring their safety and independent living. The R&D consortium is well balanced where one third is research institutes (AIT, BME EMT), one third is SMEs (Everon, SensoCube) and one third is end-users (Senioren Wohnpark Weser in Germany and Yrjö & Hanna in Finland). Selected elderly homes of the partner end-users are used for the evaluation and demonstration of the CARE concept.

In the early phase of the project, it was necessary to perform interviews of end-users: more than 200 end-users (primary, secondary and tertiary) in Austria, Finland, Germany and Hungary were questioned. The interviewed end-users agreed that there is a definitive need for a fall detector at elderly homes and that the actual fall detectors (e.g. wearable systems) are not satisfactory. Architecture of the biologically-inspired stereo vision sensor was designed and the sensor and algorithms for the detection of falls were developed. The CARE system is actually under testing and evaluation with first installations in Germany.



CARE System and Service

PARTNERS

AIT Austrian Institute of Technology (Coordinator)	R&D	Austria	www.ait.ac.at
SensoCube GmbH	SME	Germany	www.sensocube.com
Budapest University of Technology and Economics, Biomedical Engineering Knowledge Centre	R&D	Hungary	portal.bme.hu
Oy Everon Ab	SME	Finland	www.everon.net
Yrjö ja Hanna Ltd	End-user	Finland	www.yrjojahanna.fi
Senioren Wohnpark Weser GmbH	End-user	Germany	www.residenz-gruppe.de

Name of the project :

CARE / Safe Private Homes for Elderly Persons

Coordinator: Ahmed Nabil Belbachir

Duration: 30 months

Starting date: 1 July 2009

Total budget: 2.38ME

Public contribution: 1.73ME

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CCE

Connected Care for Elderly Persons Suffering from Dementia

The CCE dementia solutions comprises of connectivity between the different physical components, sensors, medication dispenser, server, Net TV, etc. The system consists in general of following hardware and software components:

- Philips Net TV that provides a user interface for a digital corkboard
- A digital corkboard application
- A set of sensors that monitor the behaviour and the activities of the assisted person
- A medication dispenser
- A dementia diary that documents daily activities for the assisted person
- A middleware platform that integrates all of the data

Pilots and demonstrations are currently underway in UK, Germany and Hungary to evaluate the MeMO-Net solution.



PARTNERS

Budapest University of Technology and Economics, Biomedical Engineering Knowledge Centre	University	Hungary	www.bme.hu
Building Research Establishment	R&D	United Kingdom	www.bre.co.uk
Centrihealth	Business	United Kingdom	www.centrihealth.com/index.php
Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	R&D	Germany	www.igd.fraunhofer.de/en www.iiese.fraunhofer.de/index.jsp
Innomed Medical Inc.	Business	Hungary	www.innomed.hu/about_us
MedCom GmbH	Business	Germany	www.medcom-online.de
Hungarian Association of Home Care and Hospice	End User	Hungary	
Philips	Business	The Netherlands	www.philips.com/global/index.page
Pevel	End User	United Kingdom	www.pevel.co.uk
User Interface Design GmbH	Business	Germany	www.uid.com/en/home.html

Name of the project :

CCE – Connected Care for Elderly Persons Suffering from Dementia

Coordinator: Building Research Establishment Limited (BRE)

Duration: 3 years

Starting date: July 2009

Total budget: € 3 million

Public contribution: 50%

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DOMEO

Domestic Robot for Domestic Assistance

DOMEO aims at helping elderly to stay longer and safer at home. By using advanced robotic technologies, DOMEO will also help caregivers in their daily work.

The DOMEO platform includes:

- 2 types of robots (cognitive and physical);
- Graphic and tactile interfaces;
- Voice recognition and speech synthesis;
- Cloud services for tele-presence;
- Tools for integration of various sensors and services.

The middleware software platform used for integration, is available in open-source, to make easier different implementations and scenarios.

DOMEO deals with all the aspects of assistive robotics:

- Robotic and internet technologies;
- Medical and non-medical sensors;
- Interface with home infrastructures;
- Ethical issues.

To demonstrate and validate the potential of open robotic platforms, intensive trials (lab trials, site demos, patients' homes field tests) are scheduled during the 3rd year.



PARTNERS

ROBOSOFT	SME	France	www.robosoft.fr
ISIR	R&D	France	www.isir.upmc.fr
CHUT	End User	France	www.chu-toulouse.fr
NILR	End User	Hungary	rehabint.hu
TAS	Business	France	www.thalesalieniaspace.com
TUW	R&D	Austria	www.is.tuwien.ac.at
BME	R&D	Hungary	www.bme.hu
Meditech	SME	Hungary	www.meditech.com

Name of the project :

DOMEO

Coordinator: ROBOSOFT (France)

Duration: 36 Months

Starting date: 1 July 2009

Total budget: 2,4 M€

Public contribution: 90%

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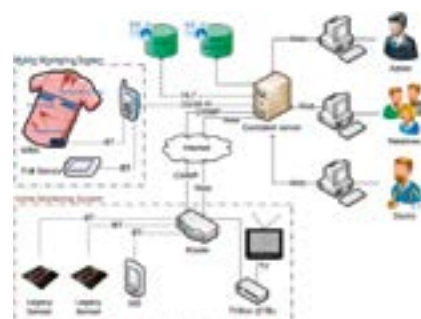
eCAALYX

Enhanced Complete Ambient Assisted Living Experiment

eCAALYX's objectives can be summarised as follows:

- Health monitoring of older and elderly persons with multiple chronic conditions, at home and on the move (the original CAALYX did not cover the health monitoring and management of older people with comorbidity).
- Improve the quality of life of elderly persons by increasing their freedom and safety. This is achieved by promptly detecting and controlling any decompensation episodes, so that their independent life at home can be extended and their hospitalisation or admission in nursing homes are avoided for longer periods. Besides improving the elderly person's quality of life, this approach will also result in various cost reductions and in relieving some of the growing burden on acute care/healthcare systems.
- Prevent deterioration of the patient condition by providing continuous support, guidance, and relevant health education (the original CAALYX did not have such strong home-based components for the delivery of education on leading a healthy lifestyle).

- Achieve all of the above goals by providing a solution that is commercially viable, acceptable by all users/stakeholders, reliable, long-term, flexible, scalable, and virtually maintenance-free in non-technical environments, thus suitable for real-world deployment.



PARTNERS

Fundació Privada CETEMMSA	R&D	Spain	www.cetemmsa.com
Telefónica Investigación y Desarrollo	R&D	Spain	www.tid.es/
INESC Porto – Instituto de Engenharia de Sistemas e Computadores do Porto	R&D	Portugal	www.inescporto.pt
University of Plymouth Enterprise Ltd	R&D	United Kingdom	www.universityplymouth.com
University of Limerick	R&D	Ireland	www.ul.ie
Corscience GmbH & Co KG	SME	Deutschland	www.corscience.de
Fundació Hospital Comarcal Sant Antoni Abat	End-users	Spain	www.fhcsaa.cat/
Fraunhofer Portugal	R&D	Portugal	www.fraunhofer.pt
TeleMedic Systems, Ltd	SME	United Kingdom	www.telemedicsystems.com
Zentrum für Kardiovaskuläre Telemedizin GmbH	End-users	Deutschland	www.ccr.charite.de
National University of Ireland, Galway	R&D	Ireland	www.nuigalway.ie

Name of the project :

eCAALYX / Enhanced Complete Ambient Assisted Living Experiment

Coordinator: Fundació Privada CETEMMSA)

Duration: 36 Months

Starting date: 1 May 2009

Total budget: 4.118.002 €

Public contribution: 2.689.499 €

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EMOTIONAAL

The Emotional Village: Integrated Preventive AAL concept for the rural Aging Society in Europa

The aim of EMOTIONAAL is to develop an integrated healthcare-concept for elderly people in rural areas in Europe. This includes the four important innovations:

- An integrated services platform collecting data from a variety of biosensors to permanently monitor the medical status of the users.
- The Plug&Care connector, an interface to link any additional product or service supplier to the system.
- Newly developed nanosensors to measure additional data. Those sensors will provide feedback for the user enabling him to detect and prevent potentially unhealthy conditions, life styles and nutrition, especially for the fight against diabetes.
- An infrastructure of rural supply units serving as hubs for the users. The rural supply units (RSU) are village centres which integrate retail, service, communication and health facilities. The RSUs and the tel-medicine system are closely related.



PARTNERS

B. Braun Melsungen AG (BBM)	Business	Germany	www.bbraun.de
Protestant University of Applied Sciences DepT. of Health Sciences and Nursing, Darmstadt (EHD)	End User	Germany	www.ehf-darmstadt.de
Opsolution NanoPhotonics GmbH, Kassel (OPN)	Business	Germany	www.opsolution.de/opn/D.htm
HD Projekte	Business	Germany	www.hd-projekte.de
University of Marburg, Institute of Geography (UNIMR)	R&D	Germany	www.uni-marburg.de/fb19
University of Kassel, Institute of Nanostructure and Analytics (INA)	R&D	Germany	te.ina-kassel.de/
DIAK University Institute for Socio-Economic Sciences, Pieksämäki, Finland (DIAK)	R&D	Finland	english.diak.fi
Vitaphone GmbH, Telemedical Services, Vienna, SME (VPH)	Business	Austria	www.vitaphone.co.at/de
German Aerospace Centre, Cologne (DLR)	Business	Germany	www.dlr.de
Activesoft LTD, Vakus, Finland, SME (AS)	Business	Finland	www.activesoft.fi

Name of the project :

MOTIONAAL / Electronic Motion AAL Village

Coordinator: B. Braun Melsungen AG (BBM)

Duration: 3 years

Starting date: 1 July 2009

Total budget: € 3.2 Mio

Public contribution: € 1.6 Mio

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H@H

Health@Home

By using wearable sensors patients' physio-pathological cardiovascular and respiratory parameters are acquired and transferred to a remote server. The gathered data are continuously monitored by an automatic processing system and accessible by the medical staff, who can take action in case of necessity. The H@H system, which is based on an Operating Protocol (OP), is directly integrated with the Hospital Information System (HIS). The OP consists of a set of actions that the patient must follow during the monitoring. The OP can be customized depending on the patient's needs and possible disease evolution when necessary. The actions are simple tasks like taking measurements or replying to simple questions. The system has the typical client/server architecture (see Figure 1). The client side is located at patient's home and consists of a home gateway and a set of biomedical sensors (see Figure 2). The server side, installed at the health service facilities, accepts and processes data from gateways making them available in the HIS.



Figure 1 – H@H System Architecture



Figure 2 - Home gateway and sensors

PARTNERS

CONSORZIO PISA RICERCHE Scarl	R&D	ITALY	www.cpr.it
CARIBEL PROGRAMMAZIONE Srl	Business	ITALY	www.caribel.it
CAEN Spa	SME	ITALY	www.caen.it
MEDIASOFT Ltd	SME	SLOVENIA	www.mediasoft.si
Fundación CITIC	R&D	SPAIN	www.citic.es
Hospitales Universitarios «Virgen del Rocío»	End User	SPAIN	www.huvr.es
Fondazione Gabriele Monasterio	End User	ITALY	www.ifc.cnr.it/fgm
Zdravstveni Dom Koper	End User	SLOVENIA	www.zd-koper.si

Name of the project :

H@H / Health@Home

Coordinator: Consorzio Pisa Ricerche

Duration: 30 Months

Starting date: 1 February 2009

Total budget: 2.699.799 €

Public contribution: 1.178.600 €

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Website: www.health-at-home.eu/

HAPPY AGEING

A Home based APProach to the Years of AGEING

HAPPY AGEING system will be composed of three main modules:

- A lifestyle monitor, able to record main activities taking place in the home and compare them with habits of the monitored subject.
- A navigation assistant to support the user in moving in close environment.
- A personal assistant characterized by two main groups of functions:
 - a) Support in reminding or performing actions;
 - b) Support in searching for personal objects such as spectacles or keys all around the home.

End users, their families and carers constitute the core of the project: their needs and expectations will drive all the design and development phases and will be completely assessed in the final pilot phase.

The end-users involvement will be completed by a field trial on 15 older people, in three countries (IT, HU, NL), including the analysis of the technical achievements/requirements, acceptance and usability of the prototypes, ergonomics and psychological aspects, and data for the Cost Benefit Analysis.



PARTNERS

ISTITUTO NAZIONALE DI RIPOSO E CURA PER ANZIANI V.E. II (INRCA)	Research organization	Italy	www.inrca.it
FUNDACIÓ PRIVADA CETEMMSA (CETEMMSA)	Research organization	Spain	www.cetemmsa.com
SPEED AUTOMAZIONE Srl (SPD)	Company	Italy	www.speedautomazione.it
GLOBAL SECURITY INTELLIGENCE LIMITED (GSI)	SME, Business	United Kingdom	www.globalseci.com
AB.ACUS Srl (ABACUS)	SME	Italy	www.ab-acus.com
INSTITUTE OF SOCIOLOGY, HUNGARIAN ACADEMY OF SCIENCES (ISO)	Research organization	Hungary	socorg.socio.mta.hu
ASSOCIATION OF CATHOLIC ORGANIZATIONS OF SENIOR CITIZENS (UNIEKBO)	End-users	The Netherlands	www.uniekbo.nl

Name of the project :

HAPPY AGEING / A Home based APProach to the Years of AGEING

Coordinator: INRCA, IT

Duration: 28 Months

Starting date: 1 April 2009

Total budget: 1.673.779 €

Public contribution: 986.153 €

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HELP

Home-based Empowered Living for Parkinson's Disease Patients

The *HELP* Project consortium is designing a Health Monitoring System specifically targeted for the needs of Parkinson Disease (PD) patients. Without treatment, PD progresses over 5–10 years to a rigid, a kinetic state in which patients are incapable of caring for themselves. Death frequently results from complications of immobility, including aspiration pneumonia or pulmonary embolism. The availability of effective pharmacological treatment has altered radically the prognosis of PD; in most cases, good functional mobility can be maintained for many years, and the life expectancy increased substantially. Primarily, therapies are aimed at minimizing symptoms and maximizing function and quality of life. However, intensive supportive care is needed, demanding the allocation of enormous resources besides the strictly medical ones. This suggests an alternative way to face PD, not only in managing patients at an individual level, but also in optimizing cost effectiveness of health care plans. The *HELP* System (“Home-based Empowered Living for Parkinson’s disease patients”) proposes solutions to improve quality of life of PD patients based on:

- A Body Sensor and Actuator Network (BS&AN) made up of portable/ wearable and home devices to monitor health parameters (e.g. blood pressure) and body activity (e.g. to detect gait, absence of movement), and to release controlled quantity of drugs in an automatic fashion.
- A remote Point-of-Care unit to supervise the patients under clinical specialists control.



PARTNERS

Telefónica I+D	R&D	Spain	www.tid.es
UPC	R&D	Spain	www.upc.cat
ABAT	End user	Spain	www.fhcsaa.cat/a52r.htm
NEVET	SME	Israel	www.maccabi4u.co.il/1781-he/Maccabi.aspx
Peh-Med	SME	Israel	www.peh-med.com/
Telecom Italia	Industry	Italy	www.telecomitalia.com/
University of Palermo	R&D	Italy	portale.unipa.it/
HSG-IMIT	R&D	Germany	www.hsg-imit.de/
MSG	SME	Germany	mobile-solution-group.de/

Name of the project :

HELP / Home-based Empowered Living for Parkinson's Disease Patients

Coordinator: Telefonica

Duration: 3 years

Starting date: 1 June 2009

Total budget: 11.625 M€

Public contribution: 4.65 M€

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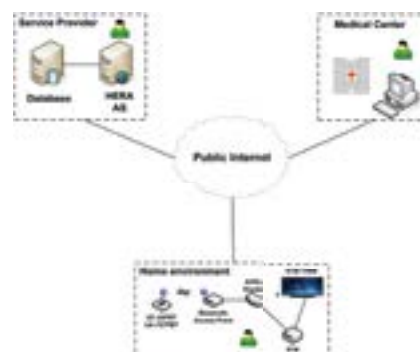
HERA

Home sERvices for specialised elderly Assisted living

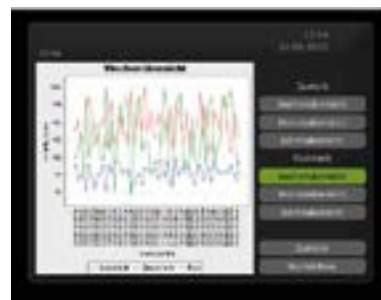
The HERA platform's architecture constitutes a **pragmatic approach**:

- All service functionality is provided at an external application server, which is accessible over the public Internet.
- The Internet-enabled TVs/Set-Top-Box provides the main Human Machine Interface for the elderly or the patient.
- The application server may communicate with other home equipment such as medical devices.

HERA includes HYGEIA hospital and FRK (Austrian Red Cross) who ensure the direct involvement of elderly users throughout the project lifetime. The consortium will carry out different installations of the platform in individual elderly households as well as centrally (at HYGEIA and FRK premises) so as to prove the efficiency of the HERA results and ensure that the final outcome really meets end user and market needs.



Platform Architecture



Blood Pressure monitoring service in AonTV

PARTNERS

A1 Telekom Austria AG	R&D	Austria	www.telekom.at
ALCATEL-LUCENT Deutschland AG	Industry	Germany	www.alcatel-lucent.com
SingularLogic S.A	SME	Greece	www.singularlogic.eu
SOLINET GmbH	SME	Germany	www.singularlogic.eu
Paris Descartes University	R&D	France	www.univ-paris5.fr
RotesKreuz	End-user	Austria	www.rotekreuz.at/forschungsinstitut
DIAGNOSTIC AND THERAPEUTIC CENTER OF ATHENS- «HYGEIA» SOCIETE ANONYME	End-user	Greece	www.hygeia.gr

Name of the project :

HERA / Home sERvices for specialised elderly Assisted living

Coordinator: A1 Telekom Austria AG

Duration: 24 months

Starting date: 1 September 2009

Total budget: 2.549.293,28 €

Public contribution: 1.575.350,00 €

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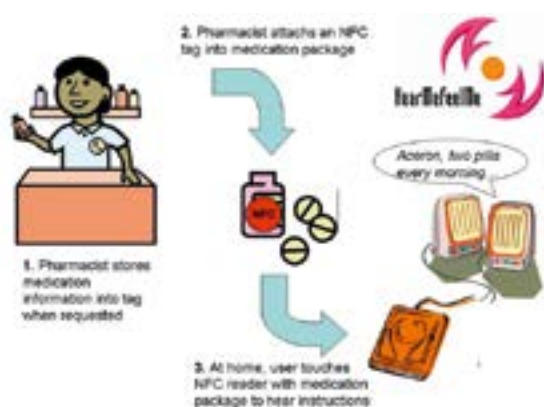


HMFM

HearMeFeelMe

The HearMeFeelMe project aims at developing ICT-based systems that provide elderly people with visual impairments an easy, simple and intuitive way to access information and digital services in their home environment, allowing them to (1) have equal opportunities to participate in all aspects of the society, (2) maintain their independency, avoiding dependency on others in order accessing information and services, and (3) improve the quality of life and individual wellbeing of the elderly.

The HearMeFeelMe project deals with the chronic condition of vision impairment. There are promising possibilities to support the visually impaired elderly in better managing their everyday lives with the help of modern information and communication technology. HMFM explores the possibilities for improving the quality of life by providing mobile service access for the visually impaired elderly using services related to medication and medicine related information and services.



PARTNERS

VTT	R&D	Finland	www.vtt.fi
FFVI	End-users	Finland	www.nkl.fi
Caritas Foundation	End-users	Finland	www.caritas-saatio.fi
Oulun 6. Jousten Apteekki	Business	Finland	
Top Tunniste	Business, SME	Finland	www.toptunniste.fi
Tecnalía	R&D	Spain	www.tecnalia.info
National Center for Scientific Research "Demokritos"	R&D	Greece	www.demokritos.gr

Name of the project :

HMFM / HearMeFeelMe

Coordinator: VTT Technical Research Centre of Finland

Duration: 29 months

Starting date: 1 July 2009

Total budget: 1,6 million €

Public contribution: 1,2 million €

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HOPE

Smart H0me for the elderly P0ople

HOPE is a budgeted solution that is installed at the elderly people' homes, and provides services for (a) life-long, self-organized, appropriate educational environment and access to information, (b) care management and health support, (c) self-monitoring and decision making.

The HOPE solution consists of an integrated, smart platform that manages a smart home with different functionalities for security, fall detection and communication. The system can be split up into two main blocks: the Server Block and the Home Block, which represent the main agent and every sub-system at each elderly user's home respectively.

- Evaluation of information and provision of rules for estimating the most appropriated scenario;
- Synchronization with all Home databases;
- Interfaces to relatives and doctor to access to the different services.

Home Block

The Home Block covers functionalities associated to each person's environment monitoring, indicating alarms when necessary.

Server Block

The Server Block is responsible of the "thinking", decision-making functionalities of the system, including the following ones:

- Storage all information from any Home System;
- Alarm service in case of a fall detection to caregivers and relatives;
- Common information used by services or applications at Home block or used by related or doctors applications;



Figure 1: Scenario based Environmental and Home Health Care system architecture

PARTNERS

Rhodes Telematics SA (RTEL)	SME	Greece	www.rtel.gr
KMOP NGO	End-User	Greece	www.kmop.gr
TRACS srl	SME	Italy	www.tracs.it
FORUS Ltd	SME	Italy	www.forus.it
Unita Operativa Geriatria-Ricerca Gerontologia-Geriatria,	End-User	Italy	www.operapadrepio.it/it
Andalusian Centre of Innovation, ICT (CITIC Foundation)	R&D	Spain	www.citic.es
CETEMMSA Technological Centre	R&D	Spain	www.cetemmsa.com
I2S SA	SME	Greece	www.i2s.gr

Name of the project :

HOPE / Smart H0me for the elderly P0ople

Coordinator: RTEL SA

Duration: 24 months

Starting date: 7 July 2009

Total budget: 2.138.094,00 €

Public contribution: 1.029.199, 00 €

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Greece

Website: www.hope-project.eu



IS-ACTIVE

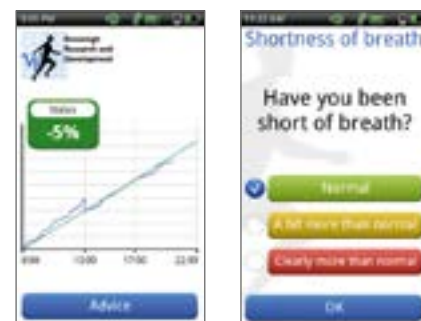
Inertial Sensing Systems for Advanced Chronic Condition Monitoring and Risk Prevention

The project emphasizes the role of the home as care environment, by providing real-time support to patients. IS-ACTIVE proposes a combined technological solution, which uses intelligent miniaturized inertial sensing used for ambulatory human movement analysis, and wireless communication.

The IS-ACTIVE sensor-based system is meant to provide the patients:

- An effective sensing system for daily use, which analyzes in real-time their physical activity and condition;
- An easy-to-use interface and a natural feedback, so that they become easily aware about the importance of self-management.

Field trials will be conducted in different locations and their results are expected to provide qualitative and quantitative indications on the system accuracy, robustness, reliability and usability, together with assessing the user experience regarding the motivation in self-managing the chronic condition.



Screenshots of the smart phone feedback device:



PARTNERS

University of Twente	R&D	The Netherlands	www.utwente.nl
Roessingh Research & Development	R&D, SME, End-users	The Netherlands	www.rrd.nl
Inertia Technology	R&D, SME	The Netherlands	www.inertia-technology.com
Norwegian Centre for Integrated Care and Telemedicine	R&D, End-user	Norway	www.telemed.no
NORUT Northern Research Institute	R&D	Norway	www.norut.no
University Hospital Elias	R&D, End-user	Romania	www.spitalul-elias.ro
PROSYS PC	R&D, SME	Romania	www.prosyspc.ro

Name of the project :

IS-ACTIVE / Inertial Sensing Systems for Advanced Chronic Condition Monitoring and Risk Prevention

Coordinator: University of Twente

Duration: 36 months

Starting date: 1 April 2009

Total budget: 1,814,812 €

Public contribution: 1,394,777 €

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 PO-Box 217
 7500 AE Enschede
 The Netherlands

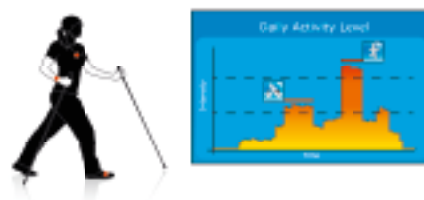
Website: www.is-active.eu

PAMAP

Physical Activity Monitoring for Aging People

The PAMAP system comprises two separate conceptual parts: information acquisition and information management. Information acquisition is based on a network of sensors, e.g. miniature inertial sensors, which are worn by the subjects in order to measure their motions and other vital signs. Innovative information processing technology is then used to extract the relevant parameters of physical activity. The information management system consists of the infrastructure and applications that enable the system users – the monitored subject, her family and friends, and the clinicians – to share, review and analyse the collected activity data, exchange information, communicate and interact.

A clinical study based on individualized exercise programs for fit and healthy elderly, cardiovascular and functional disease patients is planned at the end users site for the final project phase (November 2011 to March 2012).



Pamap Daily Activity Level



PARTNERS

DFKI	R&D, Coordinator	Germany	www.dfki.de
INTRACOM TELECOM	Business, R&D	Greece	www.intracom-telecom.com/
University of Compiegne	R&D	France	www.utc.fr/
TRIVISIO Prototyping GmbH	SME	Germany	www.trivisio.com/
Centre Hospitalier Universitaire de Rennes	End user	France	www.chu-rennes.fr/

Name of the project :

PAMAP / Physical Activity Monitoring for Aging People

Coordinator: DFKI

Duration: 36 months

Starting date: 01 July 2009

Total budget: 2.771.929 €

Public contribution: 1.987.369 €

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REMOTE

Remote health and social care for independent living of isolated elderly with chronic conditions

Scale-up of existing research prototypes and development of new systems for collecting human- and context-related data will be deployed. These include wearables and sensors for detecting intra-oral miniature wetness and jaw movements, body temperature, heart rate, human posture, etc., as well as sensors and actuators to be installed in premises for providing context information, e.g., air temperature, human location and motion, etc.

Ultimately, to support professionals to identify and react collaboratively to health risks by monitoring at anytime and from anywhere real-time, activity and medical data of isolated elderly, the project introduces an innovative, ontology-driven, open reference architecture and platform that will enable

interoperability, seamless connectivity and data sharing among different services.

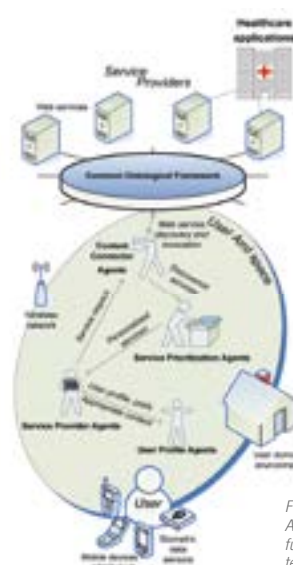


Figure 1. REMOTE Aml abstract and functional architecture

PARTNERS

SIEMENS S.A.	Business	Spain	www.siemens.com
TSB Soluciones S.A.	SME	Spain	www.tsbtecnologias.es/inicio/index.php
Universidad Politécnica de Madrid	RES	Spain	www.lst.tfo.upm.es
Fundación para la Investigación Médica Aplicada	RES	Spain	www.cima.es
Saliwell (renamed to Peh-Med Ltd.)	SME	Israel	www.saliwell.com
Centre for Research and Technology Hellas	R&D	Greece	www.certh.gr
Foundation for Research and Technology – Hellas	R&D	Greece	www.ics.forth.gr
Netscouts gemeinnuetzige GmbH	R&D	Germany	www.netscouts-ggmbh.de
Abama Technologies S.L.	SME	Spain	www.abama.es
University Hospital of North-Norway (UNN) - Norwegian Centre for Telemedicine	End User	Norway	telemmed.no
The European Older People's Platform	End User	Belgium	www.age-platform.org
Bluepoint IT Solutions	SME	Romania	www.bluepoint-it.ro
Medea SRL	SME	Italy	www.medeaproject.eu
Fraunhofer-Institut für Biomedizinische Technik	Business	Germany	www.ibmt.fraunhofer.de
Ortholine Ltd.	SME	Israel	www.ortholine.co.il

Name of the project :

REMOTE / Remote health and social care for independent living of isolated elderly with chronic conditions

Coordinator: Prof. Nicos Maglaveras, Centre for Research and Technology Hellas

Duration: 36 months

Starting date: 1 June 2009

Total budget: 3.410.726 €

Public contribution: 2.249.194 €

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Website: www.remote-project.eu

RGS

Rehabilitation Gaming System

The RGS will develop and test a novel virtual reality based system for the rehabilitation at home of motor disabilities of the upper extremities of elderly people after stroke.

The Rehabilitation Gaming System (RGS) is a novel and highly innovative ICT Virtual Reality (VR) tool for the rehabilitation of motor deficits of the upper extremities after a brain lesion due to stroke. The system deploys an individualized and specific deficit oriented game training that combines movement execution with the observation of a correlated action by virtual limbs that are displayed in a first-person perspective. The RGS is based on the neurobiological considerations that plasticity of the brain remains motor areas affected by stroke remains throughout life and can thus be utilized to achieve functional reorganization of areas affected by stroke by means of the activation of secondary motor areas such as the so called mirror neurons system. As a multi-level adaptive tool, the RGS provides a task oriented game training with individualized graded complexity. Additionally, the system retains qualitative and quantitative information of the performance of the subject/player during the tasks, hence allowing for a detailed assessment of the deficits of the patient player and their recovery dynamics. The RGS proof of concept is currently being evaluated in a randomized clinical study and the initial results with 14 patients have demonstrated positive impact.



PARTNERS

Heinrich Heine Universität	R&D (University)	Germany	www.uni-duesseldorf.de
Guger Technologies OEG	R&D, Business-SME	Austria	www.gtec.at
Fund. Hospital Universitari Vall d'Hebron	R&D (hospital), end-user	Spain	www.vhir.org
Tyromotion	R&D, SME, business	Austria	www.tyromotion.com
Fundació IMIM	End-user (hospital), R&D	Spain	www.imim.es
Fundació TIC Salut	End user representative	Spain	www.ticsalut.cat

Name of the project :

Rehabilitation Gaming System (RGS), AAL-2008-1-119

Coordinator: Universitat Pompeu Fabra - UPF

Duration: 36 months

Starting date: 1 April 2009

Total budget: € 2,291,001

Public contribution: € 1,925,660

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Website: rgs-project.upf.edu

ROSETTA

Guidance and Awareness Services for Independent Living

The functionalities of the ROSETTA system can be summarized as:

- Monitor activities of elderly persons with sensors.
- Generate alarm when unexpected/deviant (in) activity are predicted or detected (for example a falls).
- Generate warning when longer term deviations from the personal behaviour are detected.
- Support the elderly in carrying out daily and recreational activities.

The ROSETTA system will be designed, pretested and evaluated in field trials with users (elderly people with dementia and their (in)formal carers) in three countries: Belgium, Germany and The Netherlands. The evaluation will focus on:

- User friendliness and usefulness of the system.

- Impact of the system on the autonomy, quality of life and delay of nursing home admission of elderly people with chronic disabilities, and burden and feelings of competence of their informal carers.

A business model will be developed to implement the developed ROSETTA system in regular care arrangements for elderly people with progressive chronic disabilities.

PARTNERS

Eaton Electric BV	SME	Netherlands	www.eaton.com
AVICS BV	SME	Netherlands	www.avics.nl
Landsbond der Christelijke Mutualiteiten	End-user	Belgium	www.cm.be
CPS Europe BV	SME	Netherlands	www.cps-europe.nl
FRAUNHOFER-Gesellschaft zur Förderung der angewandten Forschung e.V.	R&D	Germany	www.iese.fraunhofer.de
I+	SME	Italy	www.ipiu.it
Novay	R&D	Netherlands	www.novay.nl
TNO Defense, Security and Safety	R&D	Netherlands	www.tno.nl
Vilans	R&D	Netherlands	www.vilans.nl
Vereniging voor Christelijk Hoger Onderwijs, Wetenschappelijk onderzoek en Patientenzorg, waarvan uitgaand VU medisch centrum	R&D	Netherlands	www.vumc.nl
Westpfalz-Klinikum GmbH	End-user	Germany	www.westpfalz-klinikum.de
Zorgpalet Baarn-Soest	End-user	Netherlands	www.zorgpaletbaarnsoest.nl
CIBEK technology + trading GmbH	SME	Germany	www.cibek.de



Situation Assessment using Smart Camera technology (AAPS)

Name of the project :

ROSETTA / Guidance and Awareness Services for Independent Living

Coordinator: TNO

Duration: 36 months

Starting date: 1 June 2009

Total budget: 3.273.350,- €

Public contribution: 2.232.418,- €

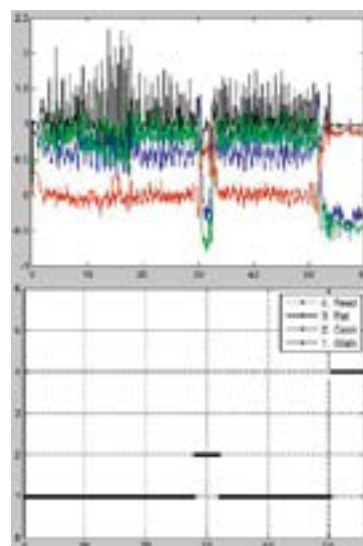
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SOFTCARE

Unobstrusive plug and play kit for chronic condition monitoring based on customized behaviour recognition from wireless localization and remote sensing

The SOFTCARE project (funded under the AAL JP) has developed a prototype of a monitoring system for seniors that allow carers (formal and informal) and senior users to get real-time alarms in dangerous or potentially dangerous situations and warnings on long-term trends that could indicate a future problem. This objective is achieved by the implementation of the designed Artificial Intelligence techniques that allow the recognition of daily activities based on the data obtained from an accelerometer (bracelet device) and location information. Users need to wear a bracelet containing a 3D-accelerometer and a Zigbee module that will communicate the bracelet (mobile node) with the rest of static devices on the user's home (one per room). Additionally, as a support tool, a full-duplex hands-free voice communications channel between emergency call-centre and seniors using SOFTCARE is also provided by the system using loudspeakers and microphones contained in the static nodes.



PARTNERS

Centre de Recerca i Innovació de Catalunya, S.A. (CRIC)	R&D SME	Spain	www.cric.cat
Forschungsinstitut des Wiener Roten Kreuzes (FRK)	End-user	Austria	www.rotekreuz.at/wien/forschungsinstitut-des-roten-kreuzes
MeshWorks Wireless Ltd. (MWW)	SME	Finland	www.meshworkswireless.com
HealthSystems Group (HEALTHSYSTEMS)	SME	United Kingdom	www.healthsysconsult.co.uk
Central European Institute of Technology CEIT RALTEC	End user & R&D	Austria	www.ceit.at/ceit-raltec

Name of the project :

SOFTCARE / unobstrusive plug and play kit for chronic condition monitoring based on customized behaviour recognition from wireless localization and remote sensing

Coordinator: CENTRE DE RECERCA I INNOVACIÓ DE CATALUNYA, S.A. (CRIC)

Duration: 36 months

Starting date: 1 November 2009

Total budget: 1.205.832,94 €

Public contribution: 649,834.99 €

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Website: www.softcare-project.eu

AMBIENT ASSISTED LIVING



CALL 2

ICT based solutions for Advancement of Social Interaction of Elderly People

3rD-LIFE

3D virtual environment for social interaction of elderly people

The users will be represented as avatars, since the accessibility, usability and navigation will be central points. The target group is mainly people from 60 to 75 years old without specific cognitive problems.

The operative objectives of the project will be:

To develop a fully functional 3-dimensional computer simulation platform, to design and create the content of the platform on 3D environment that will constitute the functionalities, visual aspect and interaction possibilities and to include existing tools and applications (interoperability), through new adaptations to be used in the 3D virtual environment.

3rD-Life aims to validate the final solution in pilot testings in two EU countries to ensure the reliability, usability and adaptability to the final users needs and to develop a detailed exploitation plan for the results of the project.

Finally 3rD-Life will disseminate the project results to final users, public administrations and research community.



PARTNERS

Fundación Instituto Gerontológico Matia-INGEMA	R&D	Spain	www.ingema.es
University of Ljubljana	End User	Slovenja	www.life.org/english/about
One2tribe	SME	Poland	www.one2tribe.pl
Information & Image Management Systems	SME	Spain	www.ims.es
Center for usability research and engineering	R&D	Austria	www.cure.at

Name of the project :

3rD-LIFE / 3D virtual environment for social interaction of elderly people

Coordinator: INGEMA

Duration: 18 months.

Starting date: 1 July 2011

Total budget: 1.7 Mil €

Public contribution: 1.03 Mil €

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ALIAS

The Adaptable Ambient Living Assistant

One focus of the project lies on questions of social acceptance of robot systems in general and in specific within the named user groups.

The consortium aims at integrating a commercial pilot that includes all state-of-the-art communication media. On top of the integration of existing solutions, two novelties will be introduced:

- A novel cognitive user interface concept is introduced to ensure a good usability
- A proactive behaviour of the robot platform will ensure that the user stays in contact with his surroundings and gets mentally stimulated;
- The third unique selling point is a Brain-Computer-Interface (BCI) that will be included in order to train and preserve the mental functions of the user.



PARTNERS

Technische Universität München	R&D	Germany	www.tum.de
Technische Universität Ilmenau	R&D	Germany	www.tu-ilmenau.de
MetraLabs GmbH	SME	Germany	www.metalabs.com
cognesys GmbH	SME	Germany	www.cognesys.de
Eurecom	R&D	France	www.eurecom.fr
g.tec Guger Technologies OG	SME	Austria	www.gtec.at
Fraunhofer IDMT's project group Hearing, Speech and Audio Technology	R&D	Germany	www.idmt.fraunhofer.de/hsa
pme Familienservice GmbH	End-users	Germany	www.familienservice.de
Youse GmbH	SME	Germany	www.youse.de

Name of the project :

ALIAS / The Adaptable Ambient Living Assistant

Coordinator: Technische Universität München

Duration: 36 months

Starting date: 1 July 2010

Total budget: 4.022.075 €

Public contribution: 2.529.165 €

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Website: www.aal-alias.eu



ALICE

Advanced Lifestyle Improvement system & new Communication Experience

Elderly people often have limited mobility and may be housebound, often living some distance away from their friends and family. They can lose touch with their beloved ones and friends, becoming socially isolated and lonely. The overall objective of ALICE is to enhance the quality of life, sense of well-being, social interaction and connectivity of elderly people in their home environments.

ALICE will research, develop and integrate a set of ICT based services into the existing TV set, allowing elderly people to enjoy experiences of communication and social interaction based on ICT. By doing this, ALICE will lead the way for elderly people to remotely share moments of enjoyment, laughter and fun as if they were face-to-face with their loved ones. The central part, around which ALICE is developed, is a fit for purpose set-top box (STB) directly connected to an existing TV set.



PARTNERS

AT4 wireless S.A.	Business	Spain	www.at4wireless.com
JOANNEUM RESEARCH Forschungsgesellschaft mbH	Research	Austria	www.joanneum.at
Mens en Zorg BV	End User Partner	The Netherlands	www.mezorg.nl
ThuisConnect BV	SME	The Netherlands	www.thuisconnect.nl
ZYDACRON Austria GmbH	SME	Austria	www.zydacron.com

Name of the project :

ALICE / Advanced Lifestyle Improvement system & new Communication Experience

Coordinator: JOANNEUM RESEARCH

Duration: 24 Months

Starting date: 1 March 2010

Total budget: 1.784.340 €

Public contribution: 1.114.126 €

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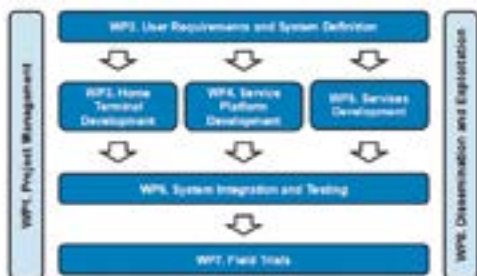
Website: www.aal-alice.eu

AMCOSOP

Ambient Communication for Sense of Presence

AMCOSOP project is aimed at elderly people, with the goal of reducing their loneliness and fear of isolation. This will be accomplished by providing its users a sense of presence with their relatives, friends, and health care personnel, and assuring that the elderly are never left alone. In this project a software platform for managing communication and user-friendly terminal devices is developed. Information from people in the safety net is collected and displayed in visible form to the elderly, giving them the ability to decide when to initiate social connections, other activities or connect to a service provided by the system.

With the system it is also possible to connect independently living people to service networks available in their region. As a new system is developed it brings new business opportunities for system developers, system administrators as well as for local system service integrators.



PARTNERS

Tampere University of Technology	R&D	Finland	www.tut.fi
Center for Usability Research & Engineering	R&D	Austria	www.cure.at
Space Hellas S.A.	SME	Greece	www.space.gr
Saint George S.A.	SME	Greece	www.agge.gr
Pirkanmaan Senioripalvelu Oy	SME	Finland	www.pirkanmaansenioripalvelut.fi

Name of the project :

AMCOSOP / Ambient Communication for Sense of Presence

Coordinator: Tampere University of Technology

Duration: 30 Months

Starting date: 1 October 2010

Total budget: 2,406,849.00 €

Public contribution: 1,601,616.00 €

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AWARE

Ageing Workforce towards an Active Retirement

The platform developed in the AWARE is based on:

- Environment adaptation module;
- Sharing knowledge module: This module will enable workers to maintain an active role after retirement;
- ICT approach module: This module will be a trainer tool for the platform and the provided services.

The platform will be developed using open-source software and the system will be modular in design to maximize flexibility and extensibility.

Techniques of visual exploration and emotional analysis will be used to identify the preferences of ICT for the elderly people that they will use. This identification will be carried out with eye-tracking concept, monitoring and recording the way that people see a scene or image, the areas which fix its attention, the time and the order to see the elements in their visual exploration.

A special attention will be focused in the pedagogical methodologies implemented in the platform (the educational models that will be considered will be: recreational, sociocultural, interactive, etc.).

The project aims at developing a Social Network totally designed basing on the requirements and the needs of the final users, and that will be integrated in the final platform with all the other modules.



PARTNERS

Instituto de Biomecánica de Valencia	R&D	Spain	www.ibv.org
Calvet, Vila & Arriaga Consulting, S.L.	SME	Spain	www.cvaconsulting.com
Ayuntamiento de Gandía	End User	Spain	www.gandia.org
Unión Democrática de Pensionistas y Jubilados de España	End User	Spain	www.mayoresudp.org
Media Touch	SME	Italy	www.mediatouch.it
Technische Universität Darmstadt (TUD), Institut für Arbeitswissenschaft	R&D	Germany	www.arbeitswissenschaft.de

Name of the project :

AWARE / Ageing Workforce towards an Active Retirement

Coordinator: Instituto de Biomecánica de Valencia (IBV)

Duration: 36 Months

Starting date: 01 July 2010

Total budget: 1.373.875 €

Public contribution: 747.330 €

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Co-Living

Virtual Collaborative Social Living Community for Elderly

Co-LIVING is based on an innovative Social Community network (SoCo-net), integrating different mobile wireless ICT based services addressing the elderly social interaction context categories of Care & Wellness, Guidance and Mobility monitoring. The solution will utilize and scale up the successfully developed IST FP6 mPower open source middleware platform to be applicable to the elderly social community interaction field achieving thus the expected Co-LIVING time-to-market perspective of 2 to 3 years after the project end. Co-LIVING target group is the big group of healthy elderly or with light physical or psychological health problems who are self-supporting, able to move around, and can still contribute actively. They find pleasure in getting help or stimulation to be active in an outward environment. The aim of choosing the specific target group is to prevent, or reduce the risk, that these people are spending most of their time at home as they get older for a variety of accumulated (physical, psychological, psycho-social and cultural) reasons.



PARTNERS

Orbis Medical and Healthcare Group	End User	The Netherlands	www.orbisconcern.nl
Philips Electronics Nederland B.V.	Business	The Netherlands	www.philips.nl
University of Cyprus	R&D	Cyprus	www.cs.ucy.ac.cy/en/home
Stiftelsen SINTEF	R&D	Norway	www.sintef.no/Home
Instituto Pedro Nunes - Associação Para A Inovação E Desenvolvimento Em Ciência E Tecnologia	R&D	Portugal	https://www.ipn.pt
Inovamais S.A	SME	Portugal	www.inovamais.eu
Citard Services LTD	SME	Cyprus	citard-serv.com
Andago Ingeniería S.L.	SME	Spain	www.andago.com/companias
Trondheim Kommune	End User	Norway	www.trondheim.kommune.no/english

Name of the project :

Co-Living / Virtual Collaborative Social Living Community for Elderly

Coordinator: Orbis Medical and Healthcare Group, R. Beumers

Duration: 36 Months

Starting date: 13 October 2010

Total budget: 3.888.588 €

Public contribution: 2.706.921 €

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Website: www.project-coliving.eu

ConnectedVitalityNetwork

CVN

Nothing exceeds meeting people eye-to-eye but new telepresence technology provides, however the second best.

CVN results will be based on user oriented research of the elderly and elderly organisations, creating a network that supports:

- Family contact and activities – linking elderly with family, friends and relatives to support the social needs over distance;
- Care contact – linking elderly with their care professional and supporting the care plan;
- Community – linking elderly with the community based on shared interests, hobbies, pastimes and personal experiences.



PARTNERS

PresenceDisplays	The Netherlands	www.presencedisplay.com
Arvika Municipality	Sweden	www.arvika.se
Budapest University of Technology and Economics	Hungary	emt.bme.hu/emt
Famcorner		www.mygrandchild.com
Fundación Andaluza de Servicios Sociales	Spain	www.juntadeandalucia.es/fundaciondeserviciossociales
The Netherlands Institute for Health Promotion and Disease Prevention	The Netherlands	www.nigz.nl www.sensire.nl
University of Cyprus	Cyprus	www.cs.ucy.ac.cy/Sensire
University of Salzburg	Austria	www.icts.sbg.ac.at

Name of the project :

ConnectedVitalityNetwork, CVN

Coordinator: Presence Display

Duration: 36 Months

Starting date: 1 June 2010

Total budget: 2.518.060 €

Public contribution: NN

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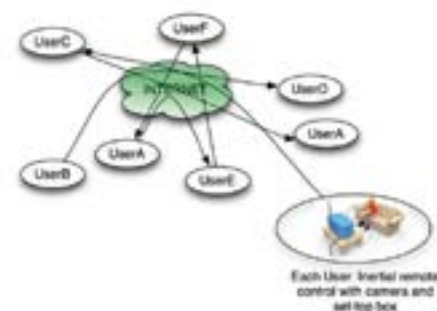
Easyreach

Fostering social interactions of home-bound and less educated elderly people

The extensive verification and validation of the developed solution in real user contexts with the involvement of different groups of users will be one of the main characteristics of EasyReach. The goal will be to assess to which extent the solution meets the specific end user needs, how easily it can be accessed and used in spite of specific physical and/or cognitive age-related impairments and how much it is appealing and accepted by the users.

The project uses fairly new technology, e.g. inertial units implemented by MEMS, to break the barrier between the user and the IT components that provide the service. At the same time, the interface is based on a TV with its well-known and non-intimidating interaction protocols.

Key AI technology will be brought to bear from the areas of planning, for time line reasoning, and of logic for rule-based reasoning. The glue between all these components will be provided by the open-source social engine elgg.



PARTNERS

Università di Milano-Bicocca	UNI	Italy	www.unimib.it
Fondazione Ugo Bordon	End User	Italy	www.fub.it
Consiglio Nazionale delle Ricerche - ISTC	End User	Italy	www.istc.cnr.it
FIMI S.r.l.	Industry	Italy	www.barco.com/en/medical/fimi
Center for Research and Technology	R&D	Greece	www.cereth.gr
iKnowHow	SME	Greece	www.iknowhow.gr
University of Potsdam	End User	Germany	www.uni-potsdam.de
Federazione Nazionale Pensionati CISL	End User	Italy	fnp.cisl.it

Name of the project :

Easyreach -- Fostering social interactions of home-bound and less educated elderly people.Nov

Coordinator: UNIMIB

Duration: 28 Months

Starting date: 1 November 2010

Total budget: 3,190,173 €

Public contribution: 1,582,887 €

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Elder-Spaces

Managing Older People Social Relationships for better Communication, Activation and Interaction

Overall, Elder-Spaces will make sure that the platform appeals to people who are not familiar with technology without making users technophobes; on the contrary Elder-Spaces will be proposed as a means to optimizing quality of life (e.g., more recreation opportunities, improved healthcare and better mobility). In the Elder-Spaces world:

- Applications are delivered in a human-centric manner.
- Face-to-face contacts remain important and Elder-Spaces acts as a facilitator to such contacts.
- Working life is of primary importance, since it is a decisive factor affecting older people's social life and Elder-Spaces acts as a facilitator and promoter of the "older worker" concept.
- Elderly users participate in the evolution of the platform.

PARTNERS

BYTE COMPUTER S.A	Industry (SME)	Greece	www.byte.gr
ORIGO Ltd.	Industry (SME)	Hungary	www.origo.hu
Evangelische Stiftung Volmarstein, Forschungsinstitut Technologie und Behinderung	Industry	Germany	ftb-esv.de
ANAPTYXIAKI ETAIREIA DIMOU TRIKKAION ANAPTYXIAKI ANONYMI ETAIREIA OTA - E-TRIKALA AE	SME	Greece	www.e-trikala.gr
Semmelweis University	R&D	Hungary	english.sote.hu
SingularLogic Information Systems & Software Applications S.A.	Industry	Greece	www.singularlogic.eu
Cybio Srl	Industry (SME)	Italy	www.cybio.it

Name of the project :

Elder-Spaces /Managing Older People Social Relationships for better Communication, Activation and Interaction

Coordinator: BYTE Computer S.A.

Duration: 30 Months

Starting date: 1 April 2011

Total budget: 2.423.859,00 €

Public contribution: 1.201.718,00 €

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Website: www.elderspaces.eu

ExCITE

Enabling Social Interaction through Embodiment

The ExCITE project methodology is highly inspired by a user-centric approach used for prototyping, validating and refining a solution in both multiple and evolving real contexts. In order for the results of the evaluations to be significant, prototype deployment must consider a large scale and a longitudinal perspective. This is possible in ExCITE because (1) a Giraff prototype designed to accommodate future needs already exists, (2) the members in the ExCITE project are geographically distributed in Italy, Spain and Sweden and (3) the end-user participation is closely tied to the consortium and project activities. Healthy adult volunteers have been selected at different end-user test sites. Each end user site has received a prototype to be tried and used for a period of time (up to 1 year). Currently test sites are on-going and the Giraff has already been improved technically and in user interface to address the challenges encountered. Feedback shows a very positive response from elderly and families and outlines the challenges in penetrating the organizations.



PARTNERS

Örebro University (coordinator)	End User	Sweden	www.oru.se/nt
Giraff AB	SME	Sweden	www.giraff.org
Consiglio Nazionale delle Ricerche ISTC	R&D	Italy	www.istc.cnr.it
RatioConsulta SpA	SME	Italy	www.ratioconsulta.it
University of Malaga	R&D	Spain	www.uma.es
Örebro City Council	End User	Sweden	www.orebro.se

Name of the project :

ExCITE / Enabling Social Interaction through Embodiment

Coordinator: Örebro University

Duration: 30 Months

Starting date: 1 July 2010

Total budget: 2.853.701 €

Public contribution: 1.448.430 €

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Website: www.excite-project.eu

Express to connect

User driven

The E2C project follows a user-driven methodology, which divides the innovation process into two overlapping phases: A WHAT phase that focuses on what to produce and a HOW phase, which focuses on how to produce it. The process has several iterations leading to a refinement of product/service as it is being conceptualized, made tangible, tested, adjusted and tested again.

Tipple bottom-line

Applying a user-driven methodology enables both incremental and radical product and service innovation, and integrates business model- with social innovation. As such the methodology is highly relevant when the aims are to improve 1) quality of life, 2) ensure sustainability of health and social services and 3) the creating of new jobs and business opportunities.

Data collection

The initial data collection has synthesized insights from the participating partners in relation to the issues of loneliness. Areas for further investigation were identified and validated through user workshops in all participating countries. Based on the initial inputs, an ethnographic research scheme was developed. Based on that in depth interviews with elders has been conducted in Denmark, Sweden, Finland and The Netherlands.

PARTNERS

Copenhagen Living Lab	SME	Denmark	www.copenhagenlivinglab.com
Waag Society	SME	The Netherlands	www.waag.org
Forum Virium Helsinki	R&D	Finland	www.forumvirium.fi
Laurea	R&D	Finland	www.laurea.fi/
Halmstad University	R&D	Sweden	www.halmstadlivinglab.se
Substanz	SME	Denmark	www.substanz.dk
Heutink	SME	The Netherlands	www.heutink.nl
Multimedia tables BV	SME	The Netherlands	www.verhalentafel.nl
Öresund Living Lab	R&D	Sweden	www.oresund.org
Halmstad Municipality	Public sector, end user	Sweden	www.halmstad.se



Name of the project :

Express to connect, E2C, AAL-2009-2-094

Coordinator: Copenhagen Living

Duration: 3 years

Starting date: 1 March 2010

Total budget: 3.256.975 €

Public contribution: 1.776.369 €

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FamConnector

Activity Based Intergenerational Interactions

FamConnector offers groundbreaking innovation in the area of intergenerational connectivity through its main components. They include:

- A library of inter-generational activities - including several types of activities, that grandparents can explore with their grandchildren.
- Generic Inter-Generational Interactive System (GIGIS) - a back end and communication (audio and video) system that directs technical aspects of functioning and integrating FamConnector as a white label product.
- Resource Center –a database of online resources and more.
- Developer Zone- for developers and distribution

End user testing is fully integrated in the project, as a repeating cyclical process--mirroring the development process--to guarantee current feedback that reflects the current status of the project throughout its progression



PARTNERS

FamCorner, Ltd.	SME	Israel	www.mygrandchild.com
University of Salzburg	R&D	Austria	www.icts.uni-salzburg.at
Kotosalla Foundation	End User	Finland	www.kotosalla.fi
Hilfswerk Österreich	End User	Austria	www.hilfswerk.at
University of St.Gallen	R&D	Switzerland	www.unisg.ch
www.iwi.unisg.ch	R&D	Austria	www.ait.ac.at
terzstiftung	End User	Switzerland	www.terzstiftung.ch

Name of the project :

FamConnector: Activity Based Intergenerational Interactions

Coordinator: FamCorner Ltd

Duration: 30 Months

Starting date: 01.04.2010

Total budget: € 1,527,639

Public contribution: € 996,541

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Website: famconnector.mygrandchild.com



FoSIBLE

Fostering Social Interactions for a Better Life of the Elderly

The FoSIBLE approach builds on TV-based Social Interaction technologies in the context of Smart Living Rooms, using entertainment console and social media technologies to provide communication, interaction & entertainment services.

To fulfil our aim, FoSIBLE activities are organized in such a way that functionalities are designed and implemented into components to address specific user requirements that can be combined to support full-scale application scenarios. FoSIBLE prototypes are developed using a user centred and participatory approach. End-users from Austria, Germany and France are involved in the project. In addition, the end-user organization Les Arcades is in charge of evaluating the potential benefits of the solution.

PARTNERS

University of Duisburg-Essen	R&D	Germany	www.interactivesystems.info
University of Siegen	R&D	Germany	www.uni-siegen.de
Fraunhofer Institute IMS	R&D	Germany	www.ims.fhg.de
University of Technology of Troyes	R&D	France	www.utt.fr
CURE – Center of Usability Research and Engineering	R&D	Austria	www.cure.at
AIT Austrian Institute of Technology GmbH	R&D	Austria	www.ait.ac.at
Mauser Einrichtungssysteme GmbH & Co. KG	Business	Germany	www.mauser-moebel.de
Kaasa Solution GmbH	SME	Germany	www.kaasa.com
Malakoff-Médéric Centre Les Arcades	End-Users	France	

Name of the project :

FoSIBLE / Fostering Social Interactions for a Better Life of the Elderly

Coordinator: University of Duisburg-Essen, Germany

Duration: 30 Months

Starting date: 01 May 2010

Total budget: TBC

Public contribution: TBC

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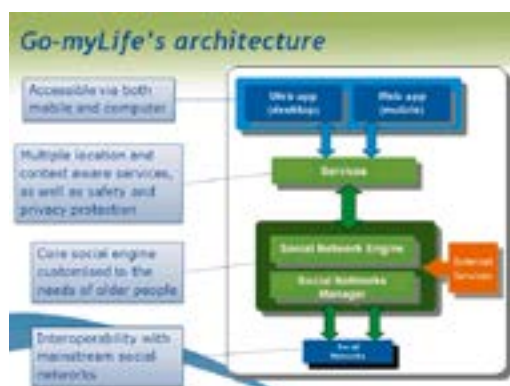
Go-myLife

Going on line: my social Life

Go-myLife aims to improve the quality of life for older people through the use of online social networks combined with mobile technologies.

The *Go-myLife* architecture consists of a core social networking platform connected to disparate social networking sites through middleware that essentially addresses personalization, security and integration-related requirements, with an easy and accessible interface.

Other than controlling user access and authentication, the core platform will also manage privacy, trust and reputation through identity management and reputation systems. This will ensure that during any group interaction, users are aware of the information being shared and have aids available to control it. To assure interoperability and ubiquity, *Go-myLife* will provide a web-based solution



PARTNERS

Atos Origin	Business	Spain	www.es.atosorigin.com/es-es/
The 451 group	SME	United Kingdom	www.the451group.com/
Institute of Communication & Computer Systems	R&D Institute	Greece	www.iccs.gr/
Zentrum fuer Soziale Innovation	R&D Institute	Austria	https://www.zsi.at/
IS Communications Ltd	SME	United Kingdom	www.iscommunications.co.uk/
Andago Ingeniería S.L.	SME	Spain	www.andago.com/
Stowarzyszenie Społeczeństwa Wiedzy	SME	Poland	www.ssw.org.pl/

Name of the project :

Go-myLife / Going on line: my social Life

Coordinator: ATOS Origin (Spain)

Duration: 30 Months

Starting date: 1 July 2010

Total budget: ~2,4 M €

Public contribution: 1,5 M €

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HELASCOL

Helping elders to live an active and socially connected life by involving them in the digital society

The „Helping elders to live an active and socially connected life by involving them in the digital society” project addresses the objectives of the call by offering a 360 degree user involvement methodology to examine how a new approach towards digital technologies can be harnessed to support the involvement of elderly people in digital society. The proposal intends to synthesize the skills, experience and knowledge of the consortium members in developing a state-of-the-art platform and service package backed with feasible business models which supports the on time and on budget realization and market introduction of the call objectives.

The project focuses on providing an enriched communication experience, anywhere, anytime and to any device with accessible, intuitive, easy to use, multimodal User Interfaces. We believe that the right service and the right content is only accepted by the end users if it is delivered on the right device, one that they are used to. This can be a tablet, the screen of the television, mobile phones, etc.



PARTNERS

Meticube	R&D	Portugal	www.meticube.com
	Technology provider	Austria	www.telekom.at
Scuola universitaria professionale della Svizzera italiana (SUPSI)	R&D	Switzerland	www.supsi.ch
	Technology provider (SME)	Greece	www.teletel.eu
Fondazione Casa per Anziani Giubiasco (FCPA)	End-user	Switzerland	www.fcpa.ch
Kecelcom Kft.	SME	Hungary	kecelcom.hu
Kapsch Businesscom Kft.	R&D	Hungary	www.kapsch.net
Kecel Local Government	Other	Hungary	www.kecel.hu

Name of the project :

HELASCOL - „Helping elders to live an active and socially connected life by involving them in the digital society”

Coordinator: Kecelcom Kft.

Duration:

Starting date: 2012.05.03.

Total budget: 1.492.120 €

Public contribution: 1.132.870 €

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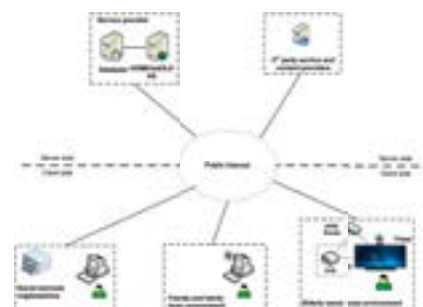


HOME dot OLD

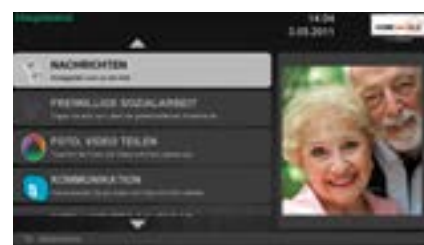
home services advancing the social interaction of elderly people

The HOME dot OLD project aims to provide a TV-based platform with cost-effective services that will be delivered in a personalised and intuitive way and will advance the social interaction of elderly people, aiming at improving the quality and joy of their home life, bridging distances and reinforcing social voluntariness and activation, thus preventing isolation and loneliness. HOME dot OLD will be primarily based on the Philips NetTV platform and secondarily on the A1TA AonTV platform. More specifically, the whole bouquet of services will be implemented and provided to the users of the Greek, Austrian and Dutch pilot sites.

The HOME dot OLD consortium includes three partners who ensure the direct involvement of elderly users throughout the project lifetime, including requirements collection phase of the project, as well as the pilot trial activities that will take place at least twice during the project.



HOME dot OLD
Topology



HOME dot OLD Entry page to the services (Austrian version)

PARTNERS

SingularLogic S.A.	SME	Greece	www.singularlogic.eu
A1 Telecom Austria	SME	Austria	www.telekom.at
Philips Consumer Lifestyle B.V.	Industry	The Netherlands	www.philips.com
TELETEL SA	SME	Greece	www.teletel.eu
SOLINET GmbH Telecommunications	SME	Germany	www.solinet.com
THREE THIRDS SOCIETY	End user	Greece	
LifeTool gemeinnützige GmbH	End user	Austria	www.lifetool.at/
National Foundation for the Elderly	End user	The Netherlands	www.ouderenfonds.nl

Name of the project :

HOME dot OLD / home services advancing the social interaction of elderly people

Coordinator:

SingularLogic S.A. Information Systems and Software Applications

Duration: 24 months

Starting date: 1 July 2010

Total budget: 3.305.458,00 €

Public contribution: 1.763,817,00 €

Contact:

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HOPES

Help and social interaction for elderly On a multimedia Platform with E-Social best practices®

Taking into account end-users requirements, expectations and social experiences, HOPES will integrate a range of ICT-based solutions for:

- managing existing e-information by exhaustive search of existing data;
- then transforming selected information into personalised solutions;
- and finally providing validated solutions as “e-Social Best Practices” (SBP)®.

This stepwise process represents the “HOPES virtuous circle” for transforming raw data into knowledge (e-SBP®) with help of many European organisations (end users).

The technology will support interoperability and multiple roles as content user and provider, semantic technologies for semantic similarity reasoning and routing, human – system interfaces adapted to the elderly and a single but multilingual access point to share HOPES e-SBP® all over Europe.

HOPES added value



PARTNERS

GTN SAS	SME	France	www.gtn-grandtalentnetwork.com
Microsoft UK	Industry	UK	www.microsoft.com
Universität Stuttgart	R&D	Germany	www.uni-stuttgart.de
LUISS Guido Carli / CeRSI	R&D	Italy	www.luiss.edu
Assistance Publique - Hôpitaux de Paris, Internal Medicine (geriatric unit), Avicenne Hospital (Bobigny - France)	R&D	France	www.aphp.fr
Sport Initiative et Loisir Bleu	End User	France	www.sielbleu.org
Cup2000	Industry	Italy	www.cup2000.it

Name of the project :

HOPES / Help and social interaction for elderly On a multimedia Platform with E-Social best practices®

Coordinator: GTN SAS

Duration: 30 months

Starting date: 1 September 2010

Total budget: 4,997,878 €

Public contribution: 2,607,085 €

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Join-In

Senior Citizens Overcoming Barriers by Joining Fun Activities

Join-In aims to support the AAL Joint Programme by setting up a social platform and thus creating an environment that enables elderly people to communicate; socialise; play communicative multiplayer computer games; and exercise either by exergames or by moderated exercises. Join-In will support people maintaining and setting up contacts to others sharing similar interests -foremost on a regional basis- and facilitate contact to family and friends. Multiplayer video gaming, exergames and exercising in a group are considered key activities for attracting senior citizens to the network. Join-In will assess the user requirements aims to develop a methodology on how to best attract the target group to such a network. The technical developments of the project include

- A technical platform that connects to PCs or TVs with an interactive web-enabled set-top box;
- The customisation of access facilities, such as controllers and adaptation of games which take into account the constraints of senior citizens;
- the development of computer-/ exergames and virtual exercising for the targeted user group.



PARTNERS

Helmholtz Zentrum München German Research Center for Environmental Health; Inst. for Biological and Medical Imaging/ Medis	R&D	Germany	www.helmholtz-muenchen.de
Diakonie München-Moosach	User	Germany	www.diakonie-moosach.de
Institute of Technology, Carlow	Research	Ireland	www.itcarlow.ie
Bull Hungary	SME	Hungary	www.bull.hu
University Hospital of North Norway Norwegian Centre for Integrated Care and Telemedicine	Research	Norway	www.telemmed.no
Norut (Northern Research Institute Tromsø)	Research	Norway	www.norut.no
PASIFE	SME	Germany	www.pasife.de
Valentia Technologies	SME	Ireland	www.valentiatech.com
Happywise oy	SME	Finland	www.happywise.com
Bethesda Hospital of the Hungarian Reformed Church, Budapest	User	Hungary	www.bethesda.hu

Name of the project :

Join-In / Senior Citizens Overcoming Barriers by Joining Fun Activities

Coordinator: Dipl. Biol. Claudia Hildebrand

Duration: 36 months

Starting date: 1 November 2010

Total budget: 3.033,000 €

Public contribution: 1.796,000 €

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Website: www.helmholtz-muenchen.de/join-in
www.join-in-for-all.eu



M3W

Maintaining and Measuring Mental Wellness

M3W project attempts to utilize the fact that on-line games are able to collect behavioral data in order to measure mental (and motoric) abilities and especially their changes over time. If we can measure states and state changes in a scientifically sound way and a strictly controlled environment then we can provide better and more help in time for the elderly and their families. The main objective of the project is to develop a mental wellness toolset for self-usage (i.e. for the individuals and their families), and to a lesser extent for the medical experts (psychiatrists, psychologists, carers, etc.). The goal is to measure and visualize mental changes, tendencies in an entertaining way, and to give indications, sort of warnings, alarms or reports, to the effected persons and their relatives, friends that it is advisable to visit a physician. Our ambition is to compare one's mental wellness to his/her own past mental wellness conditions (in relative values), while it is not our aim to compare one's mental ability to others' one. ICT & web technologies should be used out maximally.

PARTNERS

Actimage Ltd.	SME	Luxembourg	www.actimage.com/
Budapest University of Technology and Economics - Healthcare Technologies Knowledge Centre	R&D	Hungary	emt.bme.hu/emt/en
Frontida Zois Ltd.	SME	Greece	www.frontidazois.gr/
Gaudiopolis Retirement Home	end-user	Hungary	www.gaudiopolis.hu/index.html
Semmelweis University – Faculty of Medicine, Department of Psychiatry and Psychotherapy	R&D	Hungary	www.semmelweis-univ.hu/
Silver Kiadó (Publishing) Ltd.	SME	Hungary	www.otvenentul.hu/
Zurich University of Applied Sciences – Institute of Facility Management	R&D	Switzerland	www.ifm.zhaw.ch/

Name of the project :

M3W - Maintaining and Measuring Mental Wellness

Coordinator:

Budapest University of Technology and Economics - Healthcare Technologies Knowledge Centre

Duration: 36 months

Starting date: December 1, 2011

Total budget: € 2.1 million

Public contribution: € 1.8 million

Contact: Pál Breuer, project director

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Nostalgia Bits

Reminiscing is a pleasurable activity for seniors and can improve their well-being by providing rich opportunities for communication with peers and family. The Nostalgia Bits (NoBits) project aims at fostering social interaction between elderly and their family, through capturing their memories, and thereby personal, family and local history embodied by letters, newspapers, postcards, photos and other documents. A web-based platform is being developed where tangible artefacts of an elderly person's life experience can be uploaded and become a significant resource for use by other generations, and a means for connecting the elderly users with members of their own generation. Nostalgia Bits will thus be more than an "on-line community" service. It aims to be one of the first examples of what we call an "*augmented community*" service. Augmented communities combine the benefits of *interest-bound communities* (typically supported by on-line services) with the benefits of *geographically-bound communities* (which lead to rich, face-to-face interactions).



PARTNERS

Mobility and Multimedia Nonprofit Ltd.	SME	Hungary	www.mmklaszter.com
Virgo Systems Ltd.	SME	Hungary	www.virgo.hu
GFTH Ltd.	SME	Hungary	www.gfth.hu
Kalvin Janos Presbiteri Mission, Arany Alkony elderly homes	End-users	Hungary	www.aranyalkony.hu
Market Logic Software AG	SME	Germany	www.marketlogicssoftware.com
University of Applied Sciences Western Switzerland	R&D	Switzerland	www.heig-vd.ch
FamCorner Ltd.	SME	Israel	www.mygrandchild.com
Atlantis Consulting SA	SME	Greece	www.atlantisresearch.gr
Istituto Auxologico Italiano	R&D	Italy	www.auxologico.it
FIMI S.R.L.	Business	Italy	www.barco.com/medical/fimi

Name of the project :

Nostalgia Bits

Coordinator: Mobility and Multimedia Nonprofit Ltd.

Duration: 24 months

Starting date: 3 May 2010

Total budget: 3,469,730 €

Public contribution: 2,112,125 €

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Website: www.nobits.eu/



OsteoLink

(T-Break)

OsteoLink is the first online and in-person social network dedicated to osteoporosis in Europe and Australia.

In Summer 2009, a multi-national survey commissioned by the University of Geneva, the International Osteoporosis Foundation (IOF) and their partners, of over 1,600 people with osteoporosis and health professionals highlighted specific communications needs around treatment adherence challenges in osteoporosis, which persist despite widespread awareness-raising efforts. Overall, the results indicated a need for easy-to-understand information for patients, helping them to have better conversations with their health providers.

OsteoLink was created to respond to this need and to support greater interaction in the osteoporosis community. It builds on the growth of the internet in patient advocacy.



PARTNERS

University of Geneva, Faculty of Medicine, Division of Bone Diseases	R&D	Switzerland	www.unige.ch
International Osteoporosis Foundation (IOF)	SME	Switzerland	www.iofbonehealth.org
Amgen (Europe) GmbH	Industry	Switzerland	www.Amgen.com
Hill & Knowlton	End User	United Kingdom	www.Hill&Knowlton.co.uk
Action for Healthy Bones (AHB)	End User	Austria	www.aktiongesundeknochen.at
Syzygy	R&D	United Kingdom	www.syzygy.net

Name of the project :

OsteoLink (T-Break)

Coordinator: International Osteoporosis Foundation – Switzerland

Duration: 20 months

Starting date: 01 April 2010

Total budget: CHF 1,845,583

Public contribution: AAL Switzerland – CHF 412,562 + 81370 €

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Website: www.osteolink.org

PaeLife

Personal Assistant to Enhance the Social Life of the Seniors

Starting with an analysis of the existing Internet services and household ICT devices/gadgets targeted to the citizens and, in particular, to the elderly, that enhance social life and productivity, we will study the existing HCI gaps that hinder their effective adoption by the elderly. From these international studies we will select a set of Internet services and domestic ICT devices and will generate credible usage scenarios and derive corresponding user requirements and pilot applications. The project expects to empower the elderly users with a Personal Life Assistant (PLA), that will mediate and facilitate the interaction of senior citizens, with technological devices such as computers, tablets, game consoles, smartphones and home automation modules. PLA will improve the accessibility to existing services in the web, such as interactive online courses, social and entertainment media. All this will be made possible at people's homes, since elderly have sometimes some level of impairments caused by age, which reduces their mobility.

PARTNERS

MSFT – Software para Microcomputadores, LDA	SME	Portugal	www.microsoft.com
INESC ID, Instituto de Engenharia de Sistemas e Computadores Investigação e Desenvolvimento em Lisboa	R&D	Portugal	www.inesc-id.pt
BME, Budapest University of Technology and Economics	R&D	Hungary	english.www.bme.hu
The Bay Zoltán Foundation for Applied Research	End User	Hungary	www.bayzoltan.hu/bay-ikti
SSW, Knowledge Society Association	End User	Poland	www.ssw.org.pl
Genitech	SME	France	genitech.com
University of Technology of Troyes	End User	France	www.utt.fr/en/index.html
University de Aveiro	R&D	Portugal	www.ua.pt/default.aspx?lg=en

Name of the project:

PaeLife – Personal Assistant to Enhance the Social Life of the Seniors

Coordinator:

MSFT – Software para Microcomputadores, LDA
(Microsoft Portugal)

Duration: 24 months

Starting Date: 24/02/2012

Total budget: € 1.700.964,25

Public contribution: € 1.308.551,85

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PeerAssist

A P2P platform supporting virtual communities to assist independent living of senior citizens

PeerAssist will provide an accessible, adaptable, multimodal and multilingual user interface and integrate behind the scenes the appropriate knowledge and context management and peer-to-peer interaction as needed to allow elderly people using the system to build virtual communities on demand, based on interests and needs that they share among themselves and/or with people in their supporting environment. The main effort of this challenging project is to design a Peer-to-Peer (P2P) platform helping the elderly fulfil their everyday needs in a user-friendly, effective, and totally safe manner. Use of PeerAssist by an elderly end-user should not require computer literacy. User supporting entities (e.g. family members, friends, caregivers, etc.) that participate in PeerAssist may use similar terminals or more powerful off-the-shelf computers as needed, depending on their role and function, level of computer expertise and services they provide. All terminals will be connected to the Internet and communicate via a peer-to-peer overlay technology.



PARTNERS

University of Athens (Communication Networks Lab)	R&D	Greece	www.cnl.di.uoa.gr
seekda GmbH	Business	Austria	www.seekda.com
InAccess Networks	Business	Greece	www.inaccessnetworks.com
Warp Networks, S.L.	Business	Spain	www.warp.es
Fundación Instituto Gerontológico Matia Country	R&D	Spain	www.ingema.es
Municipality of Athens Development Agency	End-Users	Greece	www.aeda.gr
Semantic Technology Institute Innsbruck	R&D	Austria	www.sti-innsbruck.at

Name of the project :

PeerAssist / A P2P platform supporting virtual communities to assist independent living of senior citizens

Coordinator: University of Athens

Duration: 30 months

Starting date: 1 September 2010

Total budget: 2,147,151.35 €

Public contribution: 1,411,604.51 €

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SeniorChannel

an Interactive Digital Television Channel for Promoting Entertainment and Social Interaction amongst Elderly People

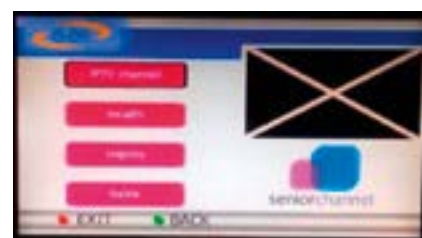
SeniorChannel will give elderly care professionals an innovative approach to developing and managing the specific social needs of the elderly in the wider community.

To achieve this goal, SeniorChannel will develop an Interactive Internet Protocol Television Channel (SENIORCHANNEL) that will not only provide elderly people with a method of interacting but also with a unique means of access to the range of diverse activities in their community including the opportunity to share knowledge and experience, the ability to participate in topical debates, entertainment services, work-shops and discussion groups regardless of their geographical location.

The integrated system will be tested and evaluated, setting up a TV studio and production centre in Spain and broadcasting programs to a pilot user group. The feedback generated during user testing will provide the basis for modification and refinement thus bringing the design of the application more into line with the preferences and needs of those involved.



Virtual studio



Top box interface

PARTNERS

Indra Software Labs	Business	Spain	www.indracompany.com
University of Padova	R&D	Italy	www.unipd.it
Brainstorm Multimedia	SME	Spain	www.brainstorm.es/live
Audemat	SME	France	www.audemat.com
Asociación Parque Galicia	End-users	Spain	N/A
M31 Spa	SME	Italy	www.m31.com

Name of the project :

SeniorChannel / an Interactive Digital Television Channel for Promoting Entertainment and Social Interaction amongst Elderly People.

Coordinator: Indra Software Labs

Duration: 36 months

Starting date: March 2010

Total budget: 4.336.084 €

Public contribution: 2.060.072,80 €

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 28037 Madrid, Spain

Website: innovation-labs.com/seniorchannel/

SENIORENGAGE

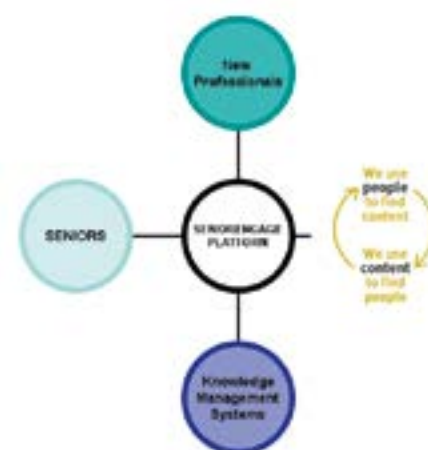
Virtual network to empower the integration of seniors into an active community in the post retirement years

SENIORENGAGE will provide a practical networking platform which seniors and new professionals may network with each other, and which comprises the following:

RetiredProf System: This module will allow retired seniors to continue to their professions through shared knowledge, becoming mentors of young professionals and guiding them through the challenges of their career.

ProfBuddies: Retired seniors of a certain professional area will be able to interact and network with each other, through the use of groups, message boards, instant messaging and a variety of Web 2.0 features.

SeniorConsult: Older adults prior to retirement will be able to provide their advice to businesses or non-profit organizations in need of answers to simple questions. In this way, professional seniors will be able to provide support to younger ones, contributing to their sense of self-worth.



PARTNERS

Centre de Recerca i Innovació de Catalunya, S.A. (CRIC)	R&D	SPAIN	www.cric.cat
Feltalálói És Kutató Központ Szolgáltató KFT (MFKK)	R&D	HUNGARY	www.mfkk.hu/u
Center for Usability Research and Engineering (CURE)	SME	AUSTRIA	www.cure.at
JAMK University of Applied Sciences (JAMK)	University	FINLAND	www.jamk.fi
Microlink PC Ltd (MICROLINK)	SME	UNITED KINGDOM	www.microlinkpc.com
Association of Care Giving Relatives of Jyväskylä Region (CAJYR)	End-user organisation	FINLAND	None available

Name of the project :

SENIORENGAGE / Virtual network to empower the integration of seniors into an active community in the post retirement years

Coordinator: CENTRE DE RECERCA I INNOVACIÓ DE CATALUNYA, S.A. (CRIC)

Duration: 24 months

Starting date: 1 December 2010

Total budget: 1,272,595.00 €

Public contribution: 723,685.03 €

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Project Manager & Research Engineer

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SI-Screen

Social Interaction-Screen, SI-Screen

The core idea is to integrate new web based services such as internet telephony, instant messaging (e.g. Skype), group calendars (e.g. Google Calendar) and various types of social software (e.g. facebook.com, flickr.com, youtube.com, twitter.com) as well as applications of non-electronic service providers (leisure local offers, theatre, cinema...) into intuitively usable touch screen devices e.g. in form of digital picture frames.

The SI-Screen project aims to make technology tool useful, attractive and usable by every user, especially elderly people.

Therefore the SI-Screen is focusing on images and new concept far from the old WIMP paradigm (Window, icon, menu, pointing device), which is very easy to understand and provide together with the touch screen an intuitive handling. In addition, the age-related cognitive changes require an additional focus on accessibility and usability.

To include the needs and interests of the elderly end user will be heavily involved.



Figure 1: A tentative illustration of design & functions



Figure 2: Exemplarily illustration of SMS, E-Mail and filtered content from the Social Web

PARTNERS

SportKreativWerkstatt	SME	Germany	www.sportkreativwerkstatt.de
brainware & Data United	SME	Germany	www.brainware.ag www.data-united.de
Bundeswehr University Munich	University	Germany	www.kooperationssysteme.de
VIOS Medien	End User	Germany	www.vios-medien.de
Porsche Design Studio	Company	Austria	www.porsche-design.com
helios	SME	Italy	www.helios.bz
Federació d'Associacions de Gent Gran de Catalunya	End User	Spain	www.gentgran.org
Instituto de Biomecánica de Valencia	R&D	Spain	www.ibv.org
Servicios de Teleasistencia	Business	Spain	www.teleasistencia.com
Tioman & partners	SME	Spain	www.tioman-and-partners.com

Name of the project :

Social Interaction-Screen, SI-Screen

Coordinator: Sport Kreative

Duration: 30 Months

Starting date: 1 October 2010

Total budget: 2.744.500 €

Public contribution:

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Email: jgp@sportkreativwerkstatt.de

Website: www.si-screen.eu

SilverGame

A platform for serious gaming to foster the social inclusion of elderly people

The envisioned platform is conceived as an integrated solution which combines sensor-controlled serious gaming, web-based information services and interactive entertainment and which brings all that onto a standard television set – a technological environment elderly people are so much more familiar with than a PC. Regarding an appropriately intuitive controller, the Silvergame consortium has been doing successful user acceptance tests with a specially interfaced touchscreen application running on an iPad or tablet PC. Using open standards and allowing for interoperability the Silvergame platform wants to make future upgrades of the pilot applications just as easy as the integration of new applications at a later point in the development. The Silvergame prototype will include three interactive modules on one central platform:

- A virtual silver song club, where people meet to sing with each other;
- A multimedia driving simulator for cognitive training of traffic situations;
- A sensor-based dance and fitness training application.



PARTNERS

Exozet Berlin GmbH (Coordinator)	SME	Germany	www.exozet.com
AIT Austrian Institute of Technology	Research	Austria	www.ait.ac.at
Audio Riders Oy	SME	Finland	www.audioriders.fi
Fraunhofer FIRST	Research	Germany	www.first.fraunhofer.de
Golden Oldies / Grenville Jones	End-user	UK	www.golden-oldies.org.uk
Reha-Zentrum Lübben	End-user	Germany	www.rehazentrum.com

Name of the project :

SilverGame: A platform for serious gaming to foster the social inclusion of elderly people

Coordinator: Exozet Berlin GmbH, Berit Hanold

Duration: 26 months

Starting date: 1 May 2010

Total budget: 2,777,061 €

Public contribution: 1,862,012 €

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Website: www.silvergame.eu

SoMedAll

Social Media for All Elderly People

A prototype service will be implemented and tested among the seniors over national borders. SoMedAll project produces a platform that offers social media focused on the needs of the elderly with a variety of easy-to-use user interfaces including web, PC, IPTV and mobile phone (equipments already at home) taking into account the skill levels of the users. We implement a prototype service, test use it among the elderly over national borders. We study the usability and the impact of the services to the life quality of the elderly. End-users' point of view will be taken into account in practice in Italy, Finland and possibly in Slovenia. One important issue is also to analyse possible cultural effects on the acceptance and desire for these kinds of social media services.

PARTNERS

Miina Sillanpää Foundation	End -users	Finland	www.miinasillanpaansaatio.fi
Gonga Group Oy	SME	Finland	www.conga.fi
National Inter-University Consortium for Telecommunications (CNIT)	R&D	Italy	www.cnit.it
Cooperativa sociale A R. L (ALDIA)	End-user	Italy	www.aldia.it
Mediasoft Ltd	SME	Slovenia	www.mediasoft.si

Name of the project :

SoMedAll / Social Media for All Elderly People

Coordinator: VTT Technical Research Centre of Finland

Duration: 24 months

Starting date: 1 February 2010

Total budget: 1 Mio €

Public contribution: National funding cannot be reported, yet.

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TAO

Community & Collaboration

The project is divided into two strands, one aiming at the development of non-technical solutions, and the other pursuing technical solutions. Non-technical solutions aimed for by the project can be roughly divided into “methods for mobilisation”, “methods for inclusion & motivation”, and the “creation of new types of online content and activities”. The methods developed to encourage elderly people to participate actively in online communities will result in a draft inventory of methods and in corresponding guidelines. Both, the inventory and the guidelines are intended to serve as a basis for consulting activities in the field of online communities. In order to develop and to implement new methods and activities as well as to develop the guidelines, the project heavily relies on the “action research” methodology, which allows to bring about, to observe and to evaluate social change through active interaction between researchers, elderly people, and other stakeholders in the field.

PARTNERS

Bern University of Applied Sciences: Department Business, Health, Social Work	Research	Switzerland	www.wgs.bfh.ch
United Nations University / University Maastricht, UM-Merit	Research	The Netherlands	www.merit.unu.edu
University of Ulm, The Centre for General Scientific Continuing Education (in short ZAWiW)	Research	Germany	www.uni-ulm.de/uni/fak/zawiw/startseite/en
Seniorweb Switzerland	User Organisation / Service Provider	Switzerland	www.seniorweb.ch
SeniorWeb.NL	User Organisation / Service Provider	The Netherlands	www.seniorweb.nl
Wikimedia Switzerland	User Organisation / Service Provider	Switzerland	www.wikimedia.ch
Wikimedia Germany	User Organisation / Service Provider	Germany	www.wikimedia.de
Zeix AG	SME	Switzerland	www.zeix.com
Access for All Foundation	User Organisation	Switzerland	www.access-for-all.ch/en.html
MD Systems	SME	Switzerland	www.md-systems.ch
terzStiftung	User Organisation / Service Provider	Switzerland	www.terzstiftung.ch

Name of the project :

TAO / Community & Collaboration

Coordinator: Bern University of Applied Sciences

Duration: 36 months

Starting date: 1 October 2010

Total budget: 3 Mil. €

Public contribution: Roughly half of the project budget is covered by funding from the AAL Joint Programme.

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Bern University of Applied Sciences

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Website: www.thirdageonline.eu/

TRAINUTRI

TRAINing and NUTRItion senior social platform

The Trainutri Consortium provides IT based end-user services, combining intelligent wireless sensor network technologies, data processing, Web 2.0 and social network models and a web portal providing user feedback on goals achieved and supporting interaction with peers. End-users can communicate using the web portal, their smart phone or both.

Through analysis of acceleration meter activity, an estimation of walking activity and used calories, per day will be provided. An extension with activity recognition technology and a global positioning module makes it possible to advise the user about integrating exercise goals and nutritional goals in daily life.

The older adult target group is focus on those to choose to carry out a healthy lifestyle. They will be able to build a healthy personal environment configuring their activities according to their condition and preferences. They will count on direct professional support to make this healthy personal environment consistent.



PARTNERS

Planet Media	SME	Spain	www.planetmedia.es
UPM	Research Centre	Spain	www.gbt.tfo.upm.es
MobiHealth	SME	Netherlands	www.mobihealth.com
University of Geneva	Research Centre	Switzerland	asg.unige.ch
KMOP	End user Organization	Netherlands	www.kmop.gr
UC3M-CAOS	Research Centre	Spain	www.caos.inf.uc3m.es
ArxIT SA	SME	Switzerland	www.arxit.ch
Vigisense SA	SME	Switzerland	www.vigisense.com

Name of the project :

TRAINing and NUTRItion senior social platform.
TRAINUTRI. (AAL-2009-2-129)

Coordinator: Planet Media Studios SL.

Duration: 24 months

Starting date: 1 May 2010

Total budget: 3.416.850,20 €

Public contribution: 1.758.830 €

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Website: www.trainutri.com

Virtual coach reaches out “to me” V2me

The V2me system will be tested in three different pilot sites in three different countries, evaluating usability, user experience and acceptance of core functionality. Additionally a long term evaluation will be performed in Amsterdam, Netherlands that will assess the effects on the system on the perceived loneliness of elderly persons. It is planned to perform this study on 180 subjects.



Fraunhofer-Gesellschaft e.V.	Research organisation	Germany	www.fraunhofer.de
Diakonie Neuendettelsau	End-user organisation	Germany	www.diakonienueundettelsau.de
Hospital IT AS	SME	Norway	www.hospitality.no
Mawell Ltd.	SME	Finland	www.mawell.com
Graz University of Technology	Research organisation	Austria	www.tugraz.at
User Interface Design GmbH	SME	Germany	www.uid.com
Université de Luxembourg	University/Research Institution	Luxembourg	www.uni.lu
VTT Technical Research Center of Finland	Research Organization	Finland	www.vtt.fi
VU University Amsterdam/Dept. CAMeRA	University/Research Organisation	Netherlands	www.vu.nl

Website: www.v2me.org



WeCare

AAI WeCare 2.0

The end users gave valuable input during the interviews and meetings with representatives of the end users' group and during co-design sessions. The 'baseline' gave an excellent basis for further discussions. It is a generic platform with several services like a calendar, local news and events, medicine reminder that is set via internet and sends text messages (SMS) to the mobile phone of the user.

The second year of the WeCare project trials will show what end users think of the WeCare 2.0 services in each country and how the envisioned business models will work out. For example in Spain the telecarers may receive less calls from people who are just in for a chat and therefore will have more time for urgent calls. Participants in the trials will all cooperate in the research which accompanies the WeCare project. They will give their input through a mix of questionnaires regarding wellbeing and loneliness issues, their expectations of the service and user experience, etc. This will provide the WeCare project group with valuable and comparable data.



PARTNERS

Netherlands Organisation for Applied Scientific Research TNO	R&D	The Netherlands	www.tno.nl
Ericsson Telecommunication	business	The Netherlands	www.ericsson.com
Simac	Industry	The Netherlands	www.simac.com
ANBO	End-users	The Netherlands	www.anbo.nl
Fundación Andaluza de Servicios Sociales ASSDA	End-users	Spain	www.juntadeandalucia.es
VTT Technical Research Centre of Finland VTT	R&D	Finland	www.vtt.fi
Videra Ltd	SME	Finland	www.videra.com
Caritas Foundation	End-users	Finland	www.caritas-saatio.fi
Skytek Ltd	SME	Ireland	www.skytek.com

Name of the project :

WeCare / AAL WeCare 2.0

Coordinator: TNO

Duration: 30 months

Starting date: 11 February 2010

Total budget: 3,67 MIO €

Public contribution: 2,24 MIO €

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Website: www.wecare-project.eu

AMBIENT ASSISTED LIVING



CALL 3

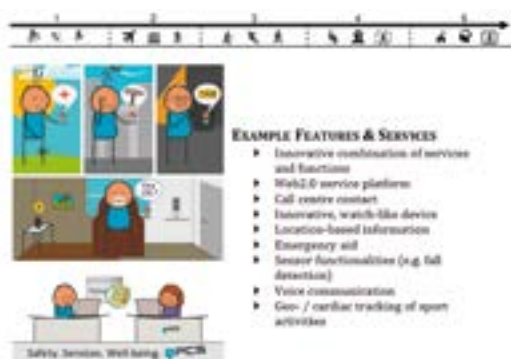
ICT-based Solutions for
Advancement of Older
Persons' Independence
and Participation in the
"Self-Serve Society"



2PCS

Personal Protection and Caring System

The 2PCS solution is based on a unique combination of innovative software features and a mixture of state of the art technologies aligned to a life-phase oriented business process logic. A modular approach allows for individual customisation and thus personalised and adjusted services for end-users. Depending on the end-users' needs, all features and services can be activated as well as deactivated by the user or by an entitled secondary end-user. In Order to ensure that the 2PCS solution addresses the life-phase challenges as good as possible, primary end-users, secondary end-users as well as tertiary end-users are integrated into the development process of services and functions. Next to a set of research activities various end-user-groups will be able to participate in idea gathering, defining requirements, use cases, innovation processes and pilots aligned to various life-phases. Regardless of age-groups, the solution is targeted at various user groups who need functions and services based on their distinct life-phases, challenges and needs.



PARTNERS

Tertianum Stiftung	R&D	Switzerland	www.stiftung.tertianum.ch
European Academy of Bozen/Bolzano	R&D	Italy	www.eurac.edu
Curena AG	SME	Switzerland	www.curena.ch
Humanocare GmbH	SME	Austria	www.humanocare.at
Mieloo & Alexander B.V.	SME	Netherlands	www.mielooandalexander.com
Odenwälder Kunststoffwerke Gehäuse-systeme GmbH	SME	Germany	www.okw.com
RF-Embedded GmbH	SME	Germany	www.rf-embedded.eu
Privatklinik Villa Melitta – Casa Di Cura	SME	Italy	www.villamelitta.it

Name of the project :

Personal Protection and Caring System – 2PCS

Coordinator: University of Innsbruck

Duration: 24 months

Starting date: 1 July 2011

Total budget: 1,741,213 €

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AALuis

Ambient Assisted Living user interfaces

The user interface (UI) is an important feature of interaction between the human and the machine (services). Thus the main focus of the project lies on the development of innovative UIs and a layer for the easy and standardized integration of new and existing UIs. The aim is to build these interfaces and the connection layer on open and already existing middleware platforms. The improvement of the user interfaces and thus of devices and solutions for older people based on design for-all principles shall improve older people's access to, acceptance of and use of ICT-based services. End-users' needs and abilities in their (daily) life are explored by two user organizations from the very beginning of the project following ethical and user involvement guidelines. In addition needs of technical stakeholders, such as developers and services providers, when creating AAL Systems will be taken into account.



PARTNERS

AIT Austrian Institute of Technology GmbH	R&D	Austria	www.ait.ac.at/
weTouch e.U.	SME	Austria	www.wetouch.at/
CURE - Center for Usability Research & Engineering	R&D	Austria	www.cure.at/
zoobe message entertainment GmbH	SME	Germany	zoobe.com/
Verklizan BV	SME	The Netherlands	www.verklizan.com/
ProSyst Software GmbH	SME	Germany	www.prosyst.com/
50plus GmbH	End-users	Austria	www.50plusgmbh.com/
Hilfswerk Österreich	End-users	Austria	www.hilfswerk.at/
Philips Consumer Lifestyle B.V.	business	The Netherlands	www.philips.com/

Name of the project :

AALuis / Ambient Assisted Living user interfaces

Coordinator: AIT Austrian Institute of Technology GmbH, Austria

Duration: 36 months

Starting date: 1 July 2011

Total budget: 3.238.624 €

Public contribution: 2.149.027 €

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Website: www.aaluis.eu/

ALFA

Active Living For Alzheimer-patients

By means of three different technologies, visual stimulation of mirror neurons in Alzheimer patients, an interactive agenda or diary and a movement monitoring system, people with dementia will be able to improve or sustain their cognitive functions. By developing, integrating and testing these technologies in homecare and residential settings we will demonstrate that it will improve conditions for Alzheimer patients by offering them personalised support through ICT.



PARTNERS

Woonzorg Unie Veluwe	End User	The Netherlands	www.wzuveluwe.nl/home.php
VU University Amsterdam in partnership with TU University of Delft	University	The Netherlands	www.psy.vu.nl/en/index.asp
Alzheimer Nederland	End User	The Netherlands	www.alzheimer-nederland.nl
T3LAB	R&D	Italy	www.t3lab.it
NoemaLife	SME	Italy	www.noemalife.com/en/home
EXEL	SME	Italy	www.exelmicroel.com
Iniciativas Comunitarias de Desarrollo Estepa Sierra Sur	SME	Spain	
Mondragon University	University	Spain	www.mondragon.edu/en

Name of the project :

Active Living For Alzheimer-patients -ALFA

Coordinator: HabiPro commissioned by Woonzorg
Unie Veluwe

Duration: 24 months

Starting date: 1 January 2012

Total budget: € 2,162,987.24

Public contribution: € 1,321,543.24

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AMCO

Ambient Concierge

The main areas of AAL are assessed by the AmCo project. Project work will be done in two sequential phases. In the beginning of the first phase, two existing AAL systems will be presented by the specific operators to all pilot users to gain a common knowledge base. The main purpose of the first phase is the installation of the existing systems in different regions and the operation by the end-users. During the usage time the users are interviewed concerning their pattern-of-use, which services are mostly used, which are obsolete or which services are desired in addition. The results of the first phase are used in the second phase to design and develop the new AmCo platform containing existing and new services. Moreover the second phase will be used to determine if there exist demographical or geographical discrepancies concerning the use of the AmCo platform or the set principally used services. Therefore the end-users are interviewed a second time. These deliverables will help to design further scenarios in future AAL-projects.



PARTNERS

Deutsches Rotes Kreuz	end-users	Germany	www.drk-bitburg-pruem.de
FACO Immobilien GmbH	end-users	Germany	www.faco.de
Fraunhofer-Institut für Software und Systemtechnik ISST	R&D	Germany	www.isst.fraunhofer.de
BEKO Engineering & Informatik AG Competence Center Smart Home Solutions	business	Austria	www.smarthome.ag
Wincasa AG Immobilien-Dienstleistungen	business	Switzerland	www.wincasa.ch
Competence Center Independent Living University of St. Gallen	R&D	Switzerland	il.iwi.unisg.ch

Name of the project :

Ambient Concierge, AmCo, AAL-2010-3, Verbundnummer V4AJP206

Coordinator: Deutsches Rotes Kreuz

Duration: 36 months

Starting date: 1 November 2011

Total budget: 2,620,726.85 €

Public contribution: 1,427,109.00 €

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Website: www.ambient-concierge.eu

BANK4ELDER

Innovate ways of banking designed for and by the elderly

Bank4Elder project will develop and validate new interfaces for existing ways of banking. Each mode and technology will be:

- Web: Building new web pages will allow end users to choose between normal or personalized web page just to fit its needs.
- ATM: We will offer users an easy and practical way to handle information shown in the screen.
- Mobile: standardized interfaces for most relevant operating systems (iPhone, Android, etc..) will be provided.
- TV: alternative ways to interact with TV (remote control doesn't work)

New innovative testing technologies will be used to test interfaces operability in elderly people: conjoint analysis, physical response analysis, behaviour analysis, usability tests and pilot testing. End users will also participate in some project tasks helping developers to build this solution.

PARTNERS

VECTOR SF	Large enterprise institution	Spain	www.vectorsf.com
Instituto de biomecanica de Valencia	R&D	Spain	www.ibv.org
Nuromedia	SME	Germany	www.nuromedia.com
New amuser	SME	Italy	www.newamuser.it
Digintel	SME	Italy	www.digintel.it
Federacion provincial de udp de Valencia	End User	Spain	www.valenciaudp.org
Associação rede de universidades da terceira idade	End User	Portugal	www.rutis.com

Name of the project :

Innovate ways of banking designed for and by the elderly / BANK4ELDER

Coordinator: Vector SF

Duration: 3 years

Starting date: October 2011

Total budget: € 1,723,108

Public contribution: SPAIN:

Budget: 47% EC: 38%

PORTUGAL:

Budget: 6% EC: 11%

ITALY:

Budget: 26% EC: 23%

GERMANY:

Budget: 21% EC: 28%

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Care@Home

CARE services advancing the social interaction, health wellness and well-being of elderly people AT HOME

Care@Home involve continuous, automatic and remote monitoring (e.g. by mobile phone/wireless / fixed sensors) of real time emergencies and lifestyle changes over time in order to manage the risks associated with independent living. Care@Home enables such care services to the home environment without the prohibitive costs of retrofitting existing dwellings. Care@Home aims at creating an open platform able to enable services to elderly who care to live independently while enjoying the assurance of timely access to car-givers when needed and thereby offer better living which provides elderly around the world with a sense of security, comfort and joy.



PARTNERS

Delft University of Technology	R&D	The Netherlands	www.tudelft.nl
Philips Consumer Lifestyle	Business	The Netherlands	www.philips.com
Singular Logic Romania / INTRAROM	Business	Romania	www.singularlogic.eu
Healthcare over Internet Protocol Community Interest Company	SME	United Kingdom	www.hoip.eu
The Building Research Establishment	R&D	United Kingdom	www.bre.co.uk
Mextal BV	SME	The Netherlands	www.mextal.com
National Elderly Foundation	End-users	The Netherlands	www.ouderenfonds.nl
Living Lab Foundation	End-users	The Netherlands	www.livinglab.nl
Actimage	SME	Luxembourg	www.actimage.com
Bournemouth Borough Council	End-users	United Kingdom	www.bournemouth.gov.uk

Name of the project :

Care@Home

Coordinator: Delft University of Technology

Duration: 36 months

Starting date: 21 November 2011

Total budget: € 3.907.881,34

Public contribution: € 2.033.585,95

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Website: www.careathome-project.eu



ELDERHOP

Solution Assisting the Shop Hopping of Elderly

ELDERHOP is creating a solution which runs on existing and future open source mobile and IP connected TV platforms. Mobile platforms and devices (both tablets and smartphones) will be selected based on the collected end-user expectations and usability studies. Easy-to-use mobile interfaces will be created and tested which will ensure the easy navigation for elderly people. Homesys will develop an easy-to-use comparison shopping IPTV application that will allow users to see which products are available at which store and for what price. The application will also make use of the possibility of NFC payment. Further applications (such as an alarm button, location tracking, etc.) will also be integrated. Field trials will be organized in Hungary and in Austria and end-to-end solutions will be available for demonstration in order to ensure a good end-user evaluation. During the field tests, trained mentors will help the elderly test subjects to learn how to use the applications.



PARTNERS

Mobility and Multimedia Coordination Office Nonprofit Ltd.	SME	Hungary	www.mmkasztar.com
KIBU Innovation Nonprofit Ltd.	SME	Hungary	www.kitchenbudapest.hu
HomeSys Media Ltd.	SME	Hungary	hybridbox.tv/
Center for Usability Research and Engineering	R&D	Austria	www.cure.at/
COOSS Marche	End-user	Italy	www.cooss.marche.it/
create-mediadesign GmbH	SME	Austria	www.create.at/
Intergrasy SA	SME	Spain	www.integrasy-sa.com/

Name of the project :

Solution Assisting the Shop Hopping of Elderly – ELDERHOP

Coordinator: Mobility and Multimedia Coordination Office Nonprofit Ltd.

Duration: 24 Months

Starting Date: September 1, 2011

Total budget: € 1,777,488

Public contribution: € 1,029,910.12

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Budapest, Hungary
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Website: vassist.cure.at/project-partners/cure.html



ENTRANCE

Enabling Elderly People travel and Internet Access

The ENTRANCE project gathers leading European research institutions, user organisations and SMEs. It focuses on the development of the ENTRANCE platform, which comprises a home terminal and a multimodal mobile interface for wayfinding. The home terminal consists in a usable hardware (a silent computer to be used in living rooms) and software adapting to users with different levels of technology proficiency. The software is used to learn how to book e-tickets and vacation packages. The ENTRANCE platform also comprises a serious game to be used by older adults to improve their spatial competence and, subsequently, their ability to navigate indoors and outdoors. The mobile platform comprises navigation software, which is also used in the serious game on the home platform. This navigation software will be installed on a smart phone, and combined with outdoors and indoors positioning system, and a haptic navigation device (e.g. a wristband) for giving directions, and informational messages during navigation.

PARTNERS

Commissariat à l'énergie atomique et aux énergies alternatives	R&D	France	www-list.cea.fr
Paris Lodron University of Salzburg	R&D	Austria	www.icts.sbg.ac.at
Autonom'Lab	End-users	France	www.autonom-lab.com
50Plus GmbH	End-users	Austria	www.50plus.com
Geomobile GmbH	SME	Germany	www.geomobile.de
GFTH Ltd.	SME	Hungary	www.gfth.com
Idées-3com	SME	France	www.idees-3com.com
Splitted-Desktop Systems	SME	France	www.splitted-desktop.com

Name of the project :

Enabling Elderly People travel and Internet Access - ENTRANCE

Coordinator: CEA LIST

Duration: 36 months

Starting date: 1st September 2011

Total budget: 4 385 128€

Public contribution: 2 096 042€

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FEARLESS

Fear Elimination As Resolution for Loosing Elderly's Substantial Sorrows

As elderly often refuse to wear any additional sensors to activate alarm calls, FEARLESS will visually and acoustically detect and handle risks by contacting the relatives or care taker organization (e.g. TES or SAM) automatically - without the need of any user intervention. It increases the feeling of safety, reduces fears, enhances the self-efficacy and thus enables elderly to be more active, independent and mobile in today's self-serve society. FEARLESS does not only enhance the mobility by reducing fears but also triggers an alarm, if significant behavioural changes (e.g. less mobility, change of health condition and many others) are detected. Thus, relatives or care taker organizations are able to ensure the physical and psychological wellbeing of the primary end users. The user are involved throughout the entire project, as their needs and wishes are examined in regular feedback intervals - as well as their feasible concerns about their privacy.



PARTNERS

CogVis GmbH	SME	Austria	www.cogvis.at
Vienna University of Technology	Research	Austria	caa.tuwien.ac.at/cvl
University of Bamberg	Research	Germany	www.uni-bamberg.de/allg-psych
TeSAN	End-User	Italy	www.tesan.it
i2CAT Technological Center	End-User, R&D	Spain	www.i2cat.net
InfoKom GmbH	End-User, SME	Germany	www.infokom.de
Linkcare Health Services	End-User	Spain	
Fraunhofer IPK	R&D	Germany	www.ipk.fraunhofer.de
Samariterbund Wien	End-User	Austria	www.samariterbund.net
Medical University of Vienna	Research	Austria	www.meduniwien.ac.at

Name of the project :

FEARLESS / Fear Elimination As Resolution for Loosing Elderly's Substantial Sorrows

Coordinator: CogVis GmbH

Duration: 36 months

Starting date: 1 July 2011

Total budget: 2,7 Mio €

Public contribution: 1.6 Mio €

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FOOD

Framework for Optimizing the prOcess of FeeDing

The devised solution consists of a home-based system that enables elderly people to deal with feeding and food-related tasks in a safe, effective and rewarding way. It is based on the seamless integration of sensors, intelligent appliances able to offer functionalities in the house and Internet based services and applications, able to give access, through a natural interface, to information and communication in different social environments. Its innovation lies in the integration and cooperation of Internet of things, Semantic Web and Web 2.0. The availability of relevant data from sensors on people and their environment and the cooperation of artificial and human intelligence through the network will contribute to support independence of people. Moreover, it is supposed that the quality of the end-users everyday life will improve not only due to the support in crucial activities in the house, but also for the possibility of interaction with the outside world both for practical purposes (e.g. ecommerce, e-government, etc.) and for socializing. The idea will be tested with pilots in three countries addressing a basic need of people, i.e. feeding. Pilots will be carried out in Italy, Romania and Netherlands, in order to compare its impact in different social environments.

PARTNERS

INDESIT Company SpA	Industry	Italy	www.indesitcompany.com
ANMIL	End-users	Italy	www.anmil.it/
Brainport Development N.V.	End-users	Netherlands	www.brainport.nl/
Copenhagen Institute of Interaction Design	SME	Denmark	ciid.dk/
Department Of Social Services, Local Council Brasov	End-users	Romania	
International Business School, Jönköping University	SME	Sweden	www.jibs.se/
Consiglio Nazionale della Ricerca	Research	Italy	www.fi.cnr.it/
Università degli Studi di Parma, Centro di Collaborazione sulle Tecnologie Assistive	Research	Italy	www.unipr.it/
SC Vision Systems SRL	Research	Romania	www.vision-systems.ro/

Name of the project :

Framework for Optimizing the prOcess of FeeDing-FOOD

Coordinator: Indesit Company SPA

Duration: 36 Months

Starting Date: September 1, 2012

Total budget: € 3.232.865,99

Public contribution:

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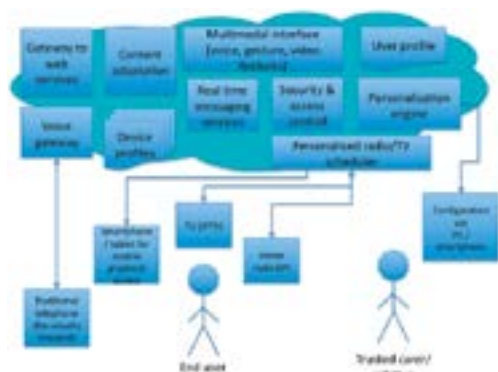
Website: www.food-aal.eu

GoldUI

Adaptive Embedded Human Interfaces designed for older people

A key concept to GoldUI is the development and maintenance of a cloud-based secure user profile, which is intended to be maintained by a trusted relative or carer. The profile indicates the user's language, eyesight, hearing, mobility and memory capabilities and communication preferences as well as account information for key services via a series of plugins. The key technological innovations that we want to introduce to enable GoldUI project are related to 1) Representation of multimedia content description, 2) Personalization and contextualization of information, 3) Interactive search and agent interfaces able to mitigate complex tasks, bring expertise to the user, and provide more natural interaction; and 4) Human-Computer Interfaces. All these technologies will be employed in an integrating way; this means that, different prototypes will be available along all the phases of the project that will incrementally include the different features and technologies according to the end-users specifications and feedback.

There will be pilot trials during 12 months.



PARTNERS

HI-Iberia Ingeniería y Proyectos S.L.	SME	Spain	www.hi-iberia.es
XIM Ltd	SME	United Kingdom	www.xim.co.uk
Tiscali Italia S.p.A.	Industrial	Italy	www.tiscali.it
Fundación para la eSalud (FeSalud)	End-User	Spain	www.fesalud.org

Name of the project :

GoldUI / Adaptive Embedded Human Interfaces designed for older people

Coordinator: HI-Iberia Ingeniería y Proyectos S.L.

Duration: 24 months

Starting date: 18 July 2011

Total budget: 1.537.726,76 €

Public contribution: 807.656 €

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 SPAIN

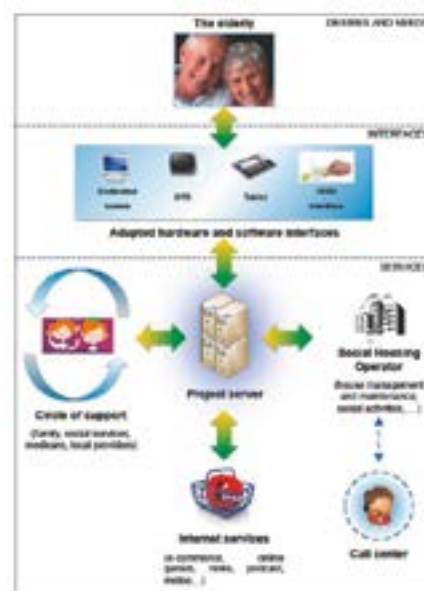
Website: www.goldui.eu



HOST

Smart technologies for self-service to seniors in social housing

The partners of the project will develop a digital infrastructure of the social housing and a gateway to their services. Within the project, the proposed idea is (i) to raise awareness of independent control among older consumers in selecting their own appropriate responses to requirements for a self-serve solution system; (ii) to improve the life of the elderly living in the current social house park, by developing the digital infrastructure of the social housing and giving a better access to their services; (iii) to provide the elderly in social housing with a large panel of ICT services and ease communication with and between their service providers and the “circle of support” composed of the family and local services, both public and private.



PARTNERS

OPAC du Rhône	User organisation	France	www.opacdurhone.fr
FINABITA	SME	Italy	www.legacoopabitanti.coop
Nottingham Community Housing	User organisation	United Kingdom	www.ncha.org.uk
ADAMA/ AVIZEN	SME	France	www.avizen.fr
National Research Council Construction Technologies Institute	Research	Italy	www.itc.cnr.it
Conseil Général du Rhône / ERASME	Research	France	www.erasme.org
Université Joseph Fourier Grenoble 1	University	France	www.ujf-grenoble.fr
Triple Play	SME	United Kingdom	www.tripleplay-services.com
BIO RESULT	SME	Italy	www.bioresult.it
University of Valencia/ Polibienestar	University	Spain	www.polibienestar.org

Name of the project :

HOST / Smart technologies for self-service to seniors in social housing

Coordinator: OPAC du Rhône

Duration: 30 months

Starting date: 1 May 2011

Total budget: 4 774 086,57 €

Public contribution: 2 290 680,00 €

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InclusionSociety

Improving usability of the municipal health services and opening up access to the self-serve society

InclusionSociety provides a preventive health solution for senior citizens at home & in institutions by providing a management portal with an overview of Service Users condition and data collected by medical & “smart home” sensors. The care manager on duty can focus on preventive health principals through knowing where to act. The solution consists of: The homePad – a user friendly intuitive touch screen tablet; The friends & family portal - facilitating easy communication & remote care between Service Users & their families; And the nursePad - designed with high usability & EMR function for nurses visiting senior citizens at home or in institutions. The Care Management System is for Service Providers or Municipal Health Services & gives the central care office an up-dated overview of those at home through an alerts system as well alarm warnings in emergency situations.



Name of the project:

InclusionSociety- improving usability of the municipal health services and opening up access to the self-serve society / InS

Coordinator: Hospital Organiser AS

Duration: 2 years

Starting date: 1 March 2011

Total budget: 1 583 790 €

Public contribution: 813.839 €

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PARTNERS

Hospital Organiser AS	SME	Norway	www.hospitalorganiser.no
Mediq AS	SME	Denmark	www.mediq.dk
Alloy LTD	SME	UK	www.thealloy.com
Vivit AS	SME	Norway	www.vivit.no

LILY

Advanced Support for Independent Living; Human Life Cycle Approach in Senior Housing

Lily project focuses on wellbeing services for self-serve supporting environment according to third age people needs from the viewpoint of ICT and taking account the whole human life-cycle. The basic target group is 55+ aged people and the other target groups considered are health and social care giving personnel, local authorities, family members, relatives and friends, service providers, content suppliers, retailers and merchandisers. Lily solutions will be developed using industry-adopted and emerging technologies such as web 3.0 standards, including web services and semantic technologies, video technologies, touch-screens and a variety of end-user devices and interfaces. Co-operational models will be bases for creating value network's business models. Lily solutions will be developed on a base on three existing systems and piloted in two real living environments. For the new user interfaces the project will pilot sensory environments using printed electronics.



PARTNERS

University of Oulu	R&D	Finland	ratoy.oulu.fi/index.php?id=70
Oulu University of Applied Sciences	R&D	Finland	www.oamk.fi/raahe/english
Technical University of Vienna	R&D	Austria	www.aat.tuwien.ac.at/index_en.html
Siperia Systems Oy	SME	Finland	finplatform.pbol.org/content/InfoDay-Materials/Pandora--Service.Management.Software.for.Elderly.Care.pdf
VISAGE Camera-Contact SA	SME	France	camera-contact.com/offre.html
The Districal Joint Municipal Authority of Health Care in Raahe, Siikajoki, Pyhäjoki and Vihanti	End-user organization	Finland	www.ras.fi/frontpage
The Chamber of Commerce and Industry of the Creuse area	End-user organization	France	www.cci-creuse.com

Name of the project:

Advanced Support for Independent Living; Human Life Cycle Approach in Senior Housing - LILY

Coordinator: University of Oulu, Raahe unit

Duration: 36 months

Starting date: 1 December 2011

Total budget: 1,937,854.00 €

Public contribution: 1,333,553.00 €

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MobileSage

Situated Adapted Guidance for the Mobile Elderly

Elderly will increasingly look for useful, userfriendly and personalized ICT services that add value to their active and mobile life and that can help them to stay active despite various impairments. Users are involved throughout the process. User requirements have been elicited from three countries, Norway, Spain and Romania. Two innovative services are provided for the advancements of older people's independence and mobility in the daily life, including in particular transportation and travel. The means is instantiated by a personal agent on the smartphone, which provides a *help-on-demand service*. This service offers relevant, accessible, and usable content upon request, in the form of multimodal and personalized instruction and guidance, enabling people to help themselves. The main target group of the MobileSage service is elderly persons with or without disabilities (motor, perception, cognition), MobileSage also enables and promotes the users' own generation of such help providing *accessible and usable content*.

PARTNERS

Norwegian Computing Center (Coordinator)	R&D	Norway	www.nr.no
Seniornett	NGO	Norway	www.seniornett.no
TeamNet	SME	Romania	www.teamnet.ro
University of Ulster (subcontractor)	R&D	United Kingdom	www.ulster.ac.uk
Ingenieria & Soluciones Informaticas (ISOIN)	SME	Spain	www.isoin.es
Telefonica I & D (Telefonica Investigación y Desarrollo)	Large enterprise	Spain	www.tid.es
Ruter	SME	Norway	www.ruter.no
Ana Aslan Interntional Foundation	R&D	Romania	www.brainaging.ro

Name of the project: MobileSage – Situated Adapted Guidance for the Mobile Elderly

Coordinator: Norwegian Computing Center

Duration: 30 months

Starting Date: July 7. 2011

Total budget: € 2 398 645,00

Public contribution: €1 242 822

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Mylife

Multimedia technology for independence and participation for people with dementia

The primary end-users of the Mylife service are older persons with reduced cognitive abilities, and the secondary end-users are formal or informal car-givers. The service-model in the targeted areas of the Mylife project is based on the concept of software as a service, i.e., software that is freely available over the internet and is deployed to run on a smartphone with touch-screen. The Mylife project includes:

- Development of a spectre of Mylife functions important for the user's self-serve;
- Development of a Norwegian, English and German version, and adaptation to cultural/legal differences/requirements;
- Development of methodology, including ethical aspects, for trials to evaluate how the service meets the needs of individual primary end-users. User tests (HCI) and field trials (system and service) in three European countries;
- Dissemination and exploitation of the results European-wide.



PARTNERS

Karde AS	SME / Business	Norway	www.karde.no
Tellu AS	SME / Business	Norway	www.tellu.no
Forget-me-not AS	SME / Business	Norway	www.forgetmenot.no
Sidsel Bjørneby Sole Proprietorship	SME / Business	Norway	www.sidselb.no
Housing21	End users	United Kingdom	www.housing21.co.uk
Trent Dementia Services and Development Centre	End users	United Kingdom	www.trentdsdc.org.uk
Berlin Institute for Social Research	Research institute	Germany	www.bis-berlin.de

Name of the project :

Mylife / Multimedia technology for independence and participation for people with dementia

Coordinator: Karde AS, Norway

Duration: 20 months

Starting date: 1 April 2011

Total budget: 1.059.973 €

Public contribution: 620.335 €

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NACODEAL

Natural communication device for assisted living

This system will be an innovative ICT-based solution for the ageing population, well contributing to improve the quality of life, autonomy, skills of this segment while reducing care costs of public healthcare. Even if the primary goal of the project is to create a physical device (hardware), it will also be essential NACODEAL's success to design an appropriate service model which fits the end-user needs. During the unwinding of this project, there will be a deep service model analysis based on the two organizations of end-users involved in the project. The initial services that the device will integrate are:

- “Technology wizard” services: aimed at helping elderly people to increase their participation within the ICT society (based on the LibreGeo-Social framework online shopping and social communication services will be implemented)
- “Independent life” services: augmented reality guides aimed at supporting the elders during daily activities

PARTNERS

Instituto Tecnológico de Castilla y León	R&D	Spain	www.itcl.es
Ibernex	business	Spain	www.ibernex.es/ES/Index.php
Cooss Marche	End-users	Italy	www.cooss.marche.it/
E-senior	End-users	France	www.eseniors.eu/
Imaxdi	SME	Spain	www.imaxdi.com/home.php?lenguaje=esp

Name of the project :

Natural communication device for assisted living / “NACODEAL”

Coordinator: Instituto Tecnológico de Castilla y León

Duration: 30 months

Starting date: 1 October 2011

Total budget: 2.543.314,00 €

Public contribution: ITCL_183.653,73 € +
141.569,77€
Ibernex_ 127.235,63€ +
98.079,82€
Imaxdi_151.053,76€ +
116.440,04€
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SAAPHO

Secure Active Aging: Participation and Health for the Old People

The ultimate goal of SAAPHO is the self-serve, independence and dignity enhancement of seniors through innovative ICT-based solutions. In order to effectively design and apply these tools, SAAPHO will be implemented within a truly user-centred design process in which the three axes of Active Ageing are represented: healthcare with self-care devices, participation in easy-to-use communication and security in the home environment. All these services are seen as gateways connected to the Saapho AAL middleware which mediates with the user interface application to eventually provide these services to the user. The Saapho middleware a part from orchestrate all these communications, additionally is in charge of providing to the user application personalised interface adaptations, enhancing the usability of this application.

Three aspects are foreseen in the scope of SAAPHO to mitigate the easiness of use along with accessibility, deployability into an existing life ambient.

Firstly, a tactile screen, which is a more intuitive form of interaction, as the central user interface to access to all functionalities. Secondly, a portable system that will provide the envisaged services to the user by means of a NFC (Near Field Communication) enabled mobile phone and NFC reader connected to a PC, laptop and similar. Thirdly, the deployment of inconspicuous sensors for health and security services, which by assisting and not impeding the user will be highly accepted.

PARTNERS

Barcelona Digital Centre Tecnològic	R&D	Spain	www.bdigital.org
L'Institut d'Envel·liment	end-user	Spain	www.envelliment.org
TECHNOSITE	Large	Spain	www.technosite.es
Aibis Informationssysteme GmbH	SME	Germany	www.aibis.de
Zveza društev upokojenцев Slovenije	end-user	Slovenia	www.zdus-zveza.si/
Cypak	SME	Sweden	www.cypak.com/
Touchtech	SME	Sweden	www.touchtech.se
FhG – Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. - Institute für Zuverlässigkeit und Mikrointegration	R&D	Germany	www.izm.fraunhofer.de/

Name of the project :

Secure Active Aging: Participation and Health for the Old People (SAAPHO)

Coordinator: Barcelona Digital Centre Tecnològic (BDIGITAL)

Duration: 36 months

Starting date: 1 July 2011

Total budget: 3.072.388 €

Public contribution: 1.685.516, 37 €

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SOCIALIZE

Service Oriented Assisted Living InfrastructurE

The project SOCIALIZE develops itself in three technologic macro areas to implement:

1. a service-oriented software architecture to supply network services with cloud computing modalities,
2. a set of user interfaces and access devices (with a particular focus on mobile devices) to optimize the experience of using the services that are available in the network for first level end-users (elderly people)
3. a set of software tools to implement services. The tools will be available to social organizations, which will enable them to implement and provide their services through the SOCIALIZE platform.

The SOCIALIZE platform will offer information and entertainment content geared to the needs and interests of elderly people, content which will be provided in a barrier-free and user friendly way tailored to this age group and across the different SOCIALIZE devices.



PARTNERS

IRIS CONSORTIUM SRL	SME	Italy	www.irisconsortium.eu
Italian National Council of Research (ISTI-CNR)	R&D	Italy	www.isti.cnr.it
Fondazione Politecnico di Milano	R&D (University)	Italy	www.fondazionepolitecnico.it
Consorzio Nazionale IDEE IN RETE	end-users	Italy	www.ideeinrete.coop
Spring Techno GmbH & Co KG	SME	Germany	www.springtechno.de
Asociacion de Investigacion de la Industria Textil	R&D	Spain	www.aitex.es
Embedded Technologies Innovation Center s. coop.	SME	Spain	www.embedded-technologies.org
SUPSI TTHF - Telecom Telemetry and High Frequency	R&D	Switzerland	www.tthf.supsi.ch
Casa Santa Lucia	End user organization	Switzerland	www.casasantalucia.ch

Name of the project :

Service Oriented Assisted Living InfrastructurE

Coordinator: IRIS Consortium srl

Duration: 36 months

Starting date: 1 May 2012

Total budget: 3,847,772.40 €

Public contribution: 1,956,381.00 €

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STIMULATE

Sustainable E² Mobility services for elderly persons

Using a user-centered design methodology, STIMULATE will enable seniors to specify their assistance needs, to extensively plan a trip, to optimize the transport means and itineraries, to secure advice, to be provided with personal assistance while on the move, as well as to secure local shopping recommendations and assistance. Advanced user communication technologies will be used for interactions, namely adapted graphical representations and navigation using common place terminals (PC, mobile phones and tablets), as well as multimodal natural / seamless expression. Advanced knowledge based GIS technologies will be used for processing and personalizing seniors travel and shopping requests, optimizing transport itineraries, providing travel assistance, securing health care support, and enacting the overall execution of the planned travel and shopping. For ease of use all the services offered by the “STIMULATE” platform will be accessible via web browsing, for PC, tablets and mobile phones through the use of the W3C approved HTML5 standard.

As a part of the end- user involvement strategy, user groups will be defined, selected and recruited according to a well-defined profile which will be cre-

ated in early steps of the project. This plan considers: sampling requirements, ethical regulations and several strengths of different user and stakeholder groups which are located in different cities. Older people without any significant cognitive impairment will be the main user group of the project. The aim of the involvement procedure is to cover all the common characteristics associated with that age relevant to travel and shopping activities of older people.

PARTNERS

Centre de Recherche Public Henri Tudor	R&D	Luxembourg	www.tudor.lu
Cybercultus	SME	Luxembourg	www.cybercultus.lu
Technische Universität Wien	R&D	Austria	www.tuwien.ac.at
Utrecht School of the Arts	R&D	Netherlands	www.hku.nl/web/English/UtrechtSchoolOfTheArts.htm
Au fil des Cévennes	end-users	France	
E-Seniors	end-users	France	www.eseniors.eu
Europäische Arbeitsgemeinschaft Österreich - EURAG	end-users	Austria	www.eurag.at
Dessine-moi mon répit – DMMR Tourisme	end-users	France	www.alloj.fr/pages/decoration/DECLIC/declic.html

Name of the project :

Sustainable E² Mobility services for elderly persons
STIMULATE

Coordinator: Public Research Centre Henri Tudor

Duration: 2 years

Starting date: 1 September 2011

Total budget: 1 748 019 €

Public contribution: Luxembourg: 734 305 €
Austria: 244 686 €
Netherlands: 114 600 €
France: 196 346.80 €

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vAssist

Voice Controlled Assistive Care and Communication Services for the Home

The goal of vAssist is to provide specific voice controlled Home Care and Communication Services for older persons. The consortium considers user, technical and economic constraints in a sound methodological setup. A User Centred Market Oriented Design process (UCMOD) involves end users in all phases of the development process considering market aspects from the initial project phase. This procedure assures that the iteratively developed service and business model(s) are adapted to the requirements and needs of older persons showing a high market potential within the next 2-3 years. In the requirement phase focus groups in three different countries (AT, FR, IT) will involve seniors, family members and health professionals. Further, iterative lab and field trials will focus on the evaluation of the developed solution together with all actors focusing on usability, accessibility, user experience and acceptance of the vAssist system.

PARTNERS

CURE - Center for Usability Research and Engineering (CURE)	R&D	Austria	www.cure.at
Institut-Télécom (IT)	R&D	France	www.telecom-paristech.fr
Ecole Supérieure d'Ingénieurs en Electronique et Electrotechnique (ESIEE)	R&D	France	www.esiee.fr
Integrazioni e Sistemi SpA (I&S)	SME	Italy	www.isspa.it
Shankaa	SME	France	
ASICA Électronique Industrielle	SME	France	www.asica.com
PL.O.T EDV-Planungs- und HandelsGesmbH (PLOT)	SME	Austria	www.plot.at
Assistance Publique des Hôpitaux de Paris (AP-HP)	End-users	France	www.aphp.fr
EURAG Austria	End-users	Austria	www.eurag.at
MobyView (MV)	SME	France	www.mobyview.com

Name of the project :

Voice Controlled Assistive Care and Communication Services for the Home (vAssist)

Coordinator:

CURE - Center for Usability Research and Engineering (CURE)

Duration: 36 months

Starting date: 1 December 2011

Total budget: 2.345.104,00 €

Public contribution: 1.432.218,00 €

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WayFis

Way Finding Seniors

TWayFis is a personalized way finding service for elderly people (considering both public transport and paths by foot) focused on the objective of making the elderly feel healthy-well and safe (not technology centered) and that takes into account their specific limitations and healthy habits, WayFis is based on the existence of a wide range of personalization features, building up user profiles, and that include the health state of the person and his common behaviors and needs. ; it will include a localization and positioning feature as well for both indoor and outdoor environments that will guide the elderly along complex paths.

WayFis technology methodology will be based in the creation of a route planning gadget friendly for the elderly combined with a personalization route mechanism based on user's common and daily behaviours, healthy habits and elderly limitations.



PARTNERS

HI-Iberia Ingeniería y Proyectos S.L.	SME	Spain	www.hi-iberia.es
University of Geneva	University	Switzerland	www.unige.ch
ArxIT SA	SME	Switzerland	www.arxit.com
CETIEX	End-User	Spain	www.cetiex.es
Bay Zoltán Foundation For Applied Research, Institute for Applied Telecommunication Technologies	RTO	Hungary	www.bzlogi.hu/bzaka/bzaka_angol.main.page
Hársfalevél care facility (Ltd.)	End users	Hungary	www.harsfalevel.hu

Name of the project :

Way Finding Seniors

Coordinator: HI-Iberia Ingeniería y Proyectos S.L.

Duration: 30 months

Starting date: 1 March 2011

Total budget: 1.540.410 €

Public contribution: 870.526€

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AMBIENT ASSISTED LIVING



CALL 4

ICT-based solutions for advancement of older persons' mobility



AIB

Ageing in Balance

The aim of Ageing in Balance (AiB) project is to develop a new solution for preventing the falls of the older adults, by taking into account wide range of different factors. In AiB, an innovative model of risks of falls will be developed. The model will include all possible risk factors as described by the various studies and assessments from all aspects (mental, physical and environmental: intrinsic and extrinsic). Several assessment scales combined with data from environmental sensors and other technology (e.g. cognitive games) will be employed to give a clear picture of the fall risk. Another goal of the AiB is to develop technologies for early prevention of falls of older people in their homes by providing motivation that will lead to changing behaviour. The expected impact will be the maintenance of a better physical, neurological and mental condition by the end user that will decrease the risk of falling. Additionally, fall risks can be reduced by identifying potential environmental risk factors and eliminating them. Preventing the majority of falls would save a lot of money and improve and prolong the good quality of life of ageing adults. The project will also survey the willingness to pay point of view as well as to better define the costs and effects. User involvement is crucial in this project. Users from Spain and Finland will be engaged in the specification, development and testing phases so that the development can be based on their feedback as well. - See more at: www.aal-europe.eu/projects/aib/#sthash.5tzz02Un.dpuf



PARTNERS

VTT Technical Research Centre of Finland	R&D	Finland	www.vtt.fi
Four Computing	SME	Finland	www.fourcomp.com
Alkit Communications	SME	Sweden	www.alkit.se
Hospital La Fuenfria	End user	Spain	www.madrid.org/hospitalfuenfria/

Name of the project :

AiB Ageing in Balance

Coordinator:

VTT Technical Research Centre of Finland

Duration: 36 months

Starting date: March 1, 2012

Total budget: 1 478 093 €

Public contribution: 826 147 €

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ALICE

Assistance for Better Mobility and Improved Cognition of Elderly Blind and Visually Impaired

Assistive device Alice will consist of smartphone wirelessly connected to local or in perspective remote processing unit. Apart from the camera, Alice will utilise sensors for position detection, orientation, movement and distance from obstacles. The position and distance mapping will be cross-referenced and processed in combination with the visual information, avoiding ambiguities in the semantics. Alice will use artificial intelligence to plan and anticipate based on fusion of sensory inputs and previous knowledge. The system will verbalize its perceptions through intuitive audio system and synthesised voice to translate visual to verbal in comprehensive and user friendly manner. The user will be able to communicate with the system through a voice interface.

Principal end users are elderly blind who will be involved in each iteration of ALICE development by providing suggestions and guiding the change of requirements according to their experiences. Other users of the system are relatives and carers who will set-up and share routes for navigation leading to the development of a respective community.



PARTNERS

Comland d.o.o. IT Solutions Development	SME	Slovenia	www.comland.si
Information and Image Management Systems, S.A.	SME	Spain	www.ims.es
Institut Mines-Télécom	R&D	France	www.mines-telecom.fr
Alpineon d.o.o.	SME	Slovenia	www.alpineon.com
Union of the Blind and Partially Sighted of Slovenia	End-user	Slovenia	www.zveza-slepkih.si
Communication for Blind and Disabled People Ltd.	End-user	United Kingdom	www.screenreader.net
Granite 5 Limited	SME	United Kingdom	www.granite5.com

Name of the project:

Assistance for Better Mobility and Improved Cognition of Elderly Blind and Visually Impaired - ALICE

Coordinator:

Comland d.o.o. IT Solutions Development, Slovenia

Duration: 30 Months

Starting Date: June 1, 2012

Total budget: € 1.797.253

Public contribution: € 1.107.169

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ALMA

Assistants for Safe Mobility

ALMA aims to support the autonomous mobility, navigation, and orientation of the mobility-impaired person (elderly and/or temporarily or permanently disabled person) through the realization and combination of a set of advanced hw/sw technologies into an integrated and modular cost-effective system composed by: (i) an indoor localization system based on a network of low-cost/low-power RF emitters, to provide room level localization of people and objects; (ii) an ad-hoc, autonomic hw/swsystem based on networked smart cameras providing accurate indoor and outdoor localization, environment monitoring, and situation assessment; (iii) a system for online planning and scheduling of users' paths and activities, matching users' specific needs with the state of the environment and of resources; (iv) a Personal Mobility Kit for electric powered wheelchairs, allowing them to perform automatic or assisted navigation and to interact with the surrounding environment; (v) a Personal Navigation Assistant, providing a user-friendly interface to all ALMA functionalities, tailored to the specific user requirements and physical limitations. Two pilot applications, presenting different scenarios and therapeutic issues for both primary (elderly, rehabilitation patients) and secondary (care givers) end-users will guide project development. They will also provide on-field assessment of the produced technology, both as a fully integrated system and as a subset of interacting modules.

PARTNERS

Scuola Universitaria Professionale della Svizzera Italiana (SUPSI)	R&D	Switzerland	www.supsi.ch
Politecnico di Milano, Dipartimento di Elettronica e Informazione	R&D	Italy	www.polimi.it
Info Solution SpA	SME	Italy	www.infosolution.it
VCA Technology Ltd.	SME	UK	www.vcatechnology.com
Istituti Sociali di Chiasso	END USER	Switzerland	www.chiasso.ch
Clinica Hildebrand	END USER	Switzerland	www.clinica-hildebrand.ch
University of Wurzburg, Department of Criminal Law, Criminal Justice, Legal Theory, Information and Computer Science Law	R&D	Germany	www.uni-wuerzburg.de
Degonda Rehab SA	SME	Switzerland	www.degonda.ch

Name of the project:

ALMA

Coordinator:

Scuola Universitaria Professionale della Svizzera Italiana (SUPSI)

Duration: 36 Months

Starting Date: April 2, 2013

Total budget: € 2.997.526

Public contribution: € 1.435.220

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ASSAM

Assistants for Safe Mobility

For non-electric platforms, the Navigation Aid comprises odometry hardware in cooperation with a smartphone or tablet computer with GPS that interacts with Open Street Maps for precise navigation. Simple dialogues allow natural language interaction. Using additional laser-range sensors, the Driving Aid enhances the safety by recognising and warning for steps and obstacles, also enabling indoor navigation. For electrically powered platforms, the Navigation Assistant proactively corrects the driving direction, steering and braking accordingly. Fully autonomous driving will be supported in charted indoor environments. The care centre connection is activated manually, or automatically in case of a fall or crash, and permits the caregiver to visually inspect the situation when authorised by the user. End-users will be involved from the beginning in the design and evaluation of the mobility assistants for everyday usability. The iterative schedule implies two refinement phases, where the initial prototypes will be adapted according to the users' feedback.



PARTNERS

DFKI GmbH	R&D	Germany	www.dfki.de
Budelmann Elektronik	Care Centre	Germany	www.budelmann-elektronik.com
Johanniter-Unfall-Hilfe e.V.	Care Centre	Germany	www.johanniter.de
neusta mobile solutions GmbH	R&D	Germany	www.neusta.de
Universitat Politècnica de Catalunya	R&D (University)	Spain	esaii.upc.edu
Centre de vida independent	User Org. (SME)	Spain	www.cvi-bcn.org
Utrecht School of the Arts	R&D (University)	Netherlands	kmt.hku.nl
Stichting Bartiméus	User Org. (SME)	Netherlands	www.accessibility.nl
Ecobike,	R&D	Spain	www.ecobike.com
Lifante Vehicles, S.A.	Company (SME)	Spain	www.lifante.net

Name of the project:

Assistants for Safe Mobility – ASSAM

Coordinator:

German Research Center for Artificial Intelligence (DFKI GmbH)

Duration: 36 Months

Starting Date: June 1, 2012

Total budget: € 2.979.164

Public contribution: € 2.039.942

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ASSISTANT

Aiding SuSustainable Independent Senior TrAvellers to Navigate in Towns

Enabling older users to confidently and safely use public transport, and providing a safety net when route mishaps happen, is the goal of the ASSISTANT project. The main target group of ASSISTANT is mobile older people, particularly when they are travelling to novel places or beginning to use public transport, or after stopping driving.

The system will be developed with primary end-users' involvement and iteratively evaluated with three different public transport systems in Vienna, San Sebastian and Paris. Both the concepts and the low fi prototypes will be re-designed after each feedback cycle until the product achieves the defined goals from end-users' perspective.

Key to ASSISTANT's simple success is the use of well-tested and robust technologies, (i.e. the PC, smart phone and GPS), combined with customisable user interfaces and consideration of unexpected events and their consequences. The ASSISTANT product will be ready to market after completion of the project.

PARTNERS

Fundación Tecnalia	LAE	Spain	www.tecnalia.com
Andago Ingeniería S.L.	SME	Spain	www.andago.com
Citruna Technologies Oy	SME	Finland	www.andago.com
E-Seniors	SME	France	www.eseniors.eu
Fara OY	SME	Finland	www.fara.no
Transport & Travel Research Ltd.	SME	United Kingdom	www.ttr-ltd.com
University of Vienna	UNI	Austria	www.univie.ac.at/en
VTT Technical Research Centre of Finland	R&D	Finland	www.vtt.fi/?lang=en

Name of the project:

Aiding SuSustainable Independent Senior TrAvellers to Navigate in Towns – Assistant

Coordinator: Fundación Tecnalia, Spain

Duration: 36 Months

Starting Date: June 1, 2012

Total budget: €2.666.015

Public contribution: €1.410.848

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TECNALIA

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COM'ON

Confident Motion

COM'ON addresses the perceived orientation/navigation challenges and special needs that older persons experience throughout the whole chain of travel, using public transportation.

COM'ON will exploit the assistive capability of smartphones by addressing dual-task coping issues that older persons face when managing information and navigation in public sphere. On the move interfaces will be designed to reflect the physical and mental resources of the older persons in accordance with universal design principles.

A key success parameter will be careful flawless integration and design of already existing technologies and services, guided by a deep understanding of end-users' needs and wishes, provided by innovative ethnography, co-creation and real life tests.

PARTNERS

Copenhagen Living Lab	SME	Denmark	www.copenhagenlivinglab.com
Xtel	SME	Denmark	www.xtel.dk
ACTIMO	SME	Denmark	www.actimo.dk
Laurea University of Applied Sciences	Public Knowledge Institute	Finland	www.laurea.fi
Nearparent Oy	SME	Finland	www.nearparent.com
Enthoven Associates	SME	Belgium	www.yellowwindow.com
Concept Factory	SME	Luxembourg	www.conceptfactory.lu
I2CAT	Ngo	Spain	www.i2cat.net
City of Luxembourg	USER ORGANIZATION	Luxembourg	www.vdl.lu
Waag Society	NGO	Netherlands	waag.org

Name of the project: Confident Motion – COM'ON

Coordinator: Copenhagen Living Lab, Denmark

Duration: 28 Months

Starting Date: March 1, 2012

Total budget: 2.698.711 €

Public contribution: 1.444.665 €

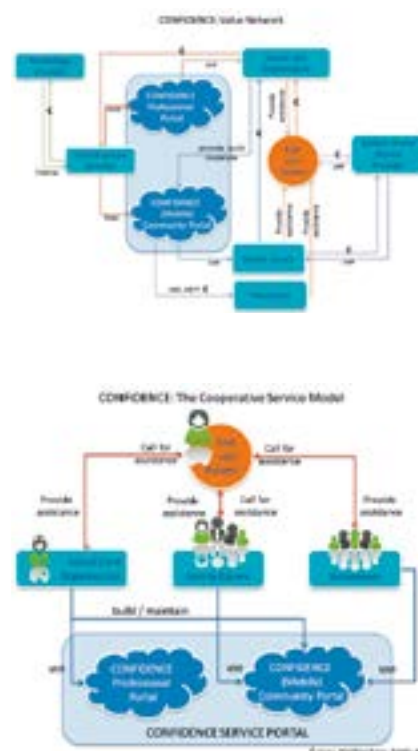
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CONFIDENCE

Mobility Safeguarding Assistance Service with Community Functionality for People with Dementia

CONFIDENCE offers a location-augmented voice channel (care persons are able to assist lost patients with voice instructions in order to bring them back to well-known places), a virtual video channel (clients are able to see a trusted care person for creating a sense of confidence and security), a location tracking service (with the client's consent the person can be automatically tracked on an electronic map while being on the move), and finally, a mobile care service (allowing care persons to be mobile themselves while instructing their clients). To keep service costs low, a credits system based on emerging mobile payment technologies will be established. To ensure a high acceptance of CONFIDENCE, end users (people with dementia, family members, professionals from home care agencies and trusted volunteers) will be involved in all phases of the projects.



PARTNERS

Salzburg Research Forschungsgesellschaft m.b.H.	R&D	Austria	www.salzburgresearch.at
iHomeLab, Hochschule Luzern	R&D	Switzerland	www.ihomelab.ch
Raiffeisenlandesbank Kaernten -Rechenzentrum und Revisionsverband, reg. Gen.m.b.H.	business	Austria	https://www.raiffeisen-rechenzentrum.at
ilogs mobile software GmbH	SME	Austria	www.ilogs.at/de
Presence displays bv.	SME	Netherlands	www.yoom.com
Ralph Eichenberger Szenografie Cinematografie Fotografie	SME	Switzerland	www.szenografie.com
Hilfswerk Salzburg	End user	Austria	www.hilfswerk.at/salzburg
terzStiftung	End user	Switzerland	www.terzstiftung.ch
Ana Aslan International Foundation/ Academy of Ageing	End user	Romania	www.brainaging.ro
Swisscom Participations Ltd	business	Switzerland	www.swisscom.com/en/ghq/portrait/company/company-structure/swisscom-participations.html

Name of the project:

Mobility Safeguarding Assistance Service with Community Functionality for People with Dementia - CONFIDENCE

Coordinator:

Salzburg Research Forschungsgesellschaft m.b.H.

Duration: 36 Months

Starting Date: June 1, 2012

Total budget: € 2.820.158

Public contribution: € 1.526.321,49

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DOSSy

Digital Outdoor And Safety System

Supporting outdoor activities is a fast growing and important field in the area of software and hardware development. Taking into account, that outdoor activities become a more and more important part of the lives of elderly people it stands for a self-determined life to be able to practise outdoor activities irrespective of one's age and constitution. Furthermore, outdoor activities contribute largely to the health and wellbeing of the elderly and improve their quality of life. A commercial roll out of the system can contribute to a better health, enabling elderly people to keep up their mobility.

The frontend solution will be evaluated by end-users during the development process using an appropriate mobile device and an app to improve its usability by receiving consumer feedback.



PARTNERS

University of St. Gallen	R&D	Switzerland	www.iwi.unisg.ch
University of Applied Sciences St. Gallen	Type (end-users, business, SME, R&D)	Switzerland	www.fhsg.ch
Curena AG	SME	Switzerland	www.curena.ch
Augmentra Ltd.	SME and end-users	UK	www.viewranger.com
Bergverlag Rother GmbH	SME	Germany	www.rother.de
German Red Cross Herten	end-users	Germany	www.drk-herten.de
Schweizer Alpen Club (SAC)	end-users	Switzerland	www.sac-cas.ch

Name of the project:

Digital Outdoor And Safety System (DOSSy)

Coordinator:

University of St. Gallen, Institute of Information Management

Duration: 24 Months

Starting Date: August 2012

Total budget: € 1.568.577,10

Public contribution: € 733.757,90

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E-MOSION

Elderly friendly MObility Services for Indoor and Outdoor sceNarios

The solution will be based on a combination of existing and future open mobile platforms, an IP connected server platform and a home security sensor network. Applications for these will be developed and customized. Furthermore, an accessory portable easy-wearable device will allow easy control the main functionalities of the service to interface with the mobile phone. The development and analysis of applications consists of two parts: the identification of services and features to be exploited and / or offer and the development of a user friendly graphic interface. This methodology allows the exploitation of services developed by applications from other platforms by eliminating duplication and ensuring interoperability, scalability and easy development of new features. E-MOSION will involve users extensively in the requirements analysis, the usability engineering and evaluation tasks. Involvement of the end users means to investigate users' needs and wishes addressed to the project objectives.



PARTNERS

INTEGRASYS	SME	Spain	www.integrasy-sa.com
AIT Austrian Institute of Technology GmbH	R&D	Austria	www.ait.ac.at
Noldus Information Technology BV	SME	Netherlands	www.noldus.com
INERTIA Technology	SME	Netherlands	inertia-technology.com
MATTERSOFT	SME	Finland	www.mattersoft.fi
Unie KBO	End-user	Netherlands	www.uniekbo.nl

Name of the project:

E-MOSION: Elderly friendly MObility Services for Indoor and Outdoor sceNarios

Coordinator: Integrasy S.A.

Duration: 30 Months

Starting Date: July 1, 2012

Total budget: € 2,413,672.80

Public contribution: € 1,538,170.00

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eStockings

New generation smart compression stockings with integrated ICT for superior customized performance

The project implementation is based on an iterative strategy. A first phase is dedicated to the development of a pre-prototype with the basic functionalities. After testing and evaluation of the performance of the pre-prototype, the results will be used to guide a second phase of development, which will deliver the final prototype. The implementation of the project will be based on a user-centred approach. As such, end-users are engaged at all stages of the project development and are invited to work closely with the RTD Performers and the company partners to reach a simple, intuitive and appealing final solution that reflects user needs and expectations.

Depending on the success of the pre-prototype version, the second phase of development will either be dedicated to (1) fine tuning of the basic functionalities and incorporation of additional features envisaged for the advanced version of the technology, or (2) wide re-design of the basic functionalities to implement contingency approaches and achieve the success criteria for the compression solution.



PARTNERS

Aarhus University, Department of Engineering	R&D	Denmark	eng.au.dk/en
Tampere University of Technology	R&D	Finland	www.tut.fi/en/units/departments/materials-science/research/textile-and-fibre-materials/index.htm
University Hospitality Basel	R&D	Swiss	angionet.ch
Silvergreen Oy	SME	Finland	www.silvergreen.fi
Handywear	SME	Denmark	www.handywear.dk
Nonwovens Innovations and research Institute	SME	UK	www.nonwovens-innovation.com
Tisturion	SME	Denmark	www.tisturion.dk
The Lindsay LegClub Foundation	end-users	UK	www.legclub.org
Curaviva	end-users	Swiss	www.curaviva.ch/index.cfm/E980796A-1C23-4C99-AFFB-8606FC0B1C73/

Name of the project:

eStockings – New generation smart compression stockings with integrated ICT for superior customized performance

Coordinator: Tisturion

Duration: 1. February 2012 – 31. January 2015

Starting Date: 1. February 2012

Total budget: € 1.934.259

Public contribution: € 1.165.280

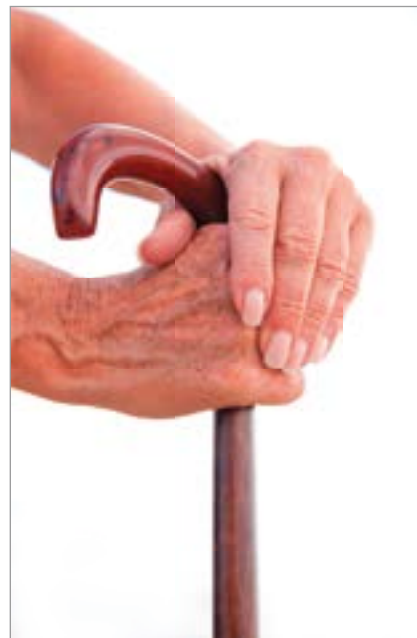
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Website: www.e-stockings.eu

EXO-LEGS

Elderly friendly MObility Services for Indoor and Outdoor sceNarios

The overall work plan is organised in 6 workpackages which comprise the following: 1) WP1 (End users and scenarios): Setting up and managing a stakeholder pool with ethical considerations so the mobility requirements of elderly persons can be determined and the resulting exoskeletons tested by real end users; 2) WP2 (Exoskeleton components): Theoretical studies of the systems needed, realisation of exoskeleton components comprising mechanical parts, sensors & controls, user interfaces, etc; 3) WP3 (System integration, testing and validation): Configuration of the components developed to realise Basic, Standard, and Deluxe exoskeletons, and testing by researchers in laboratories; 4) WP4 (Pilot test beds): User testing by elderly persons in Sweden, Germany, Spain, Switzerland, and UK; 5) WP5 (Commercialisation): Development of business and service models for implementation in different regions of the EU, and dissemination of the project results, and 6) WP6 (Project management): Overall work plan management and administration, finance, reporting, quality assurance, etc.



PARTNERS

University of Gävle	R&D	Sweden	www.hig.se
Karlsruhe Institute of Technology	R&D	Germany	rob.ipr.kit.edu
Universidad Politécnica de Cartagena	R&D	Spain	www.upct.es
Chas A Blatchford & Sons Limited	Business, SME	UK	www.blatchford.co.uk
Hocoma AG	Business, SME	Switzerland	www.hocoma.ch
GIGATRONIK Technologies GmbH	SME	Germany	www.gigatronik.de
MRK Systeme GmbH	SME	Germany	www.MRK-Systeme.de
Projecto Control Montaje, S.L.	SME	Spain	www.pcmsl.com
Mobile Robotics Sweden AB	SME	Sweden	www.mobile-robotics.com
Gävle kommun and other Gävleborg partners	End-users	Sweden	www.gavle.se

Name of the project:

EXO-LEGS

Coordinator: University of Gävle, Sweden

Duration: 36 Months

Starting Date: October 1, 2012

Total budget: € 4,559,117

Public contribution: € 2,776,346

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GameUp

Game-based mobility training and motivation of senior citizens

The project will develop a platform for social and exercise games that shall motivate elderly to exercise more and correctly. Game-based technologies and persuasive technologies will be used to motivate the elderly to perform good exercises. Experiences from elderly playing existing exergames (like Wii and Kinect) will be used in combination with the combined knowledge in the project about needs and limitations for our target group. Exercise games shall be playable from home, and shall have social elements that motivate the elderly to play and exercise together. Existing input technologies (remotes, cameras etc) will be used – and adapted if needed. Users in all three countries will be involved in all stages in the project. In the beginning they will participate in focus groups where they will try out existing technologies, and discuss what they like, what is difficult, what they would like, etc. Later they will be invited to test preliminary results regularly to direct the course of the project. All participation is voluntary.



PARTNERS

Ibernex	Large enterprise	Spain	www.ibernex.es
University of Seville	Research	Spain	www.us.es
Klinik Valens	End user	Switzerland	www.klinik-valens.ch
Northern Research Institute	Research	Norway	www.itek.norut.no
Cyberlab.org as	SME	Norway	www.cyberlab.org
Tromsøysund menighet	End user	Norway	www.ishavskatedralen.no/forsiden.135520.no.html
Fundacion Rural Lab	End user	Spain	

Name of the project:

Game-based mobility training and motivation of senior citizens - GameUp

Coordinator: IBERNEX Ingeniería S.L.

Duration: 3 years

Starting Date: 01.04.2012

Total budget: € 2.226.345,00

Public contribution: € 1,041,306.00

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Guiding Light

Ambient Light Guiding System for the Mobility Support of Elderly People

Light is used to meet visual needs of human (e.g. highlighting risks of falling), is applied for temporal orientation throughout the day (e.g. emphasizing day-night rhythm), for spatial navigation during activities of daily living (e.g. illumination of a defined location areas) and is used as remembering as well as information signal (e.g. light spots and light signals). Light therefore has great potential for attenuation of age-related mobility impairments caused by reduced spatio-temporal orientation, worry about getting lost, and fear of falling.

To make use of light in this sense, we will implement a light wayguidance system in private homes of older people that performs a time- and motion-controlled change of intensity and color temperature of room lightings. We will use existing lightings in these rooms and supplement them with additional lighting equipment and electrical installation technologies. After modification light characteristics of lamps will change automatically according to the personal daily routine of residents.

This, however, will not be a rigid system. At the same time mobility parameters of the residents will be monitored (such as movements in and outside the home) and the results of analyzing these data will be used to change the programming of light variations. The adjustment of light programming will be done automatically, nevertheless, residents can manually readjust their lights at any time.

The degree of mobility is an important indicator of health. For this reason we will integrate relevant parameters into a distributed information system as the basis for decisions about preventive provisions. This will give residents at any time insight into their health status, which can be shared with persons of trust (e.g. relatives, doctor).



PARTNERS

Fachhochschule Vorarlberg	R&D	Austria	www.fhv.at
Tridonic GmbH & Co KG	SME	Austria	www.tridonic.com
Bartenbach Lichtlabor GmbH	SME	Austria	www.bartenbach.com
myVitali AG	SME	Switzerland	www.myvitali.com
apollis - Institut für Sozialforschung und Demoskopie O.H.G	SME	Italy	www.apollis.it
YOUSE GmbH	SME	Germany	www.youse.de

Name of the project:

Ambient Light Guiding System for the Mobility Support of Elderly People, Guiding Light

Coordinator:

University of Applied Sciences
Vorarlberg (A)

Duration: 36 month

Starting Date: May 1, 2012

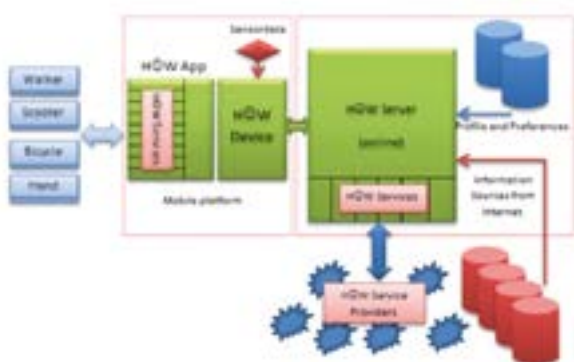
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Happy Walker

Until now, the technical solutions to support the older adults in their mobility do not address their needs, wishes and capacities. The innovation in this project consists of the development of an easily accessible and affordable platform facilitating a consistent, intuitive and personalized and contextualized set of mobility enhancement services e.g. outdoor monitoring and safety, travel planning and support, self-management and life-style. Personalization refers to both (current) characteristics of the user (profiling) e.g. physical condition, preferences, motivation and (current) characteristics of the direct surroundings e.g. living accommodation, neighborhood and further range of aims and actions of the user e.g. visiting family, public transport. These services should be provided in an unobtrusive way, integrated in typically used assistive technology, and/or other objects, which are daily used by the older adult (i.e. wrist watches or bikes).



PARTNERS

TNO	R&D	The Netherlands	www.tno.nl
Vilans	R&D	The Netherlands	www.vilans.nl
Verhaert	SME	Belgium	www.yoom.com
Zorgpalet	End-user	The Netherlands	www.zorgpaletbaarnsoest.nl
Linkcare	SME	Spain	www.linkcarehs.es
Eljakim	SME	The Netherlands	www.eljakim.nl
I+	SME	Italy	www.i-pui.it
CIBEK	SME	Germany	www.cibek.de
UUAS/HU	R&D	The Netherlands	www.hu.nl
Vision	SME	Spain	www.visionlocalizacion.com

Name of the project: Happy Walker

Coordinator: TNO, The Netherlands

Duration: 36 Months

Starting Date: 1 september 2012

Total budget: € 3.028.000

Public contribution: € 2.063.000

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iWalkActive

The Active Walker for Active People

Active living is a way of life that integrates physical activity into daily routines. However, a large proportion of the age group 60-85 suffers from various kinds of physical disability that prevents them from living actively. Rollators may help but one of their main problems is that people in actual need of walking support often hesitate or refuse to use these walking aids as they are heavily stigmatized. In iWalkActive the user will be provided with an active, desirable walker providing cloud services and a drive based on brushless DC-motors. The user interacts with the active walker by a smartphone or a tablet PC using the touch screen, microphone and speaker. The services make use of indoor and outdoor navigation and include e.g. proposals for walking routes, or navigation to the examining room in a hospital. The sensors of the smart device will be used, e.g. for navigation or image processing. The novel active walker will be thoroughly tested by four different user groups in three European Countries (AT , CH, SE) in both urban areas and the outdoors.



PARTNERS

Hochschule Luzern – Technik & Architektur, iHomeLab	R&D	Switzerland	www.ihomelab.ch
AIT Austrian Institute of Technology GmbH	R&D	Austria	www.ait.ac.at
CareGuide GmbH	SME	Switzerland	www.careguide.ch
TRIKON Solutions AG	SME	Switzerland	www.trikon.ch
Geo7 AG	SME	Switzerland	www.geo7.ch
ITH icoserve technology for healthcare GmbH	Business	Austria	www.ith-icoserve.com
Social Services Department of the Kanton Zug	End User	Switzerland	www.zg.ch
Trionic Sverige AB	SME	Sweden	www.trionic.se
SPF - Sveriges Pensionärsförbund as 3rd party of TRI	End User	Sweden	www.spf.se

Name of the project:

iWalkActive - The Active Walker for Active People

Coordinator:

Hochschule Luzern – Technik & Architektur, iHomeLab

Duration: 36 month

Starting Date: August 15th, 2012

Total budget: € 2.827

Public contribution: €1.482

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ICITYFORALL

The goal of l'CityforAll is to design “Audio Aged sensitive” ICT systems enhancing self-confidence, mobility, safety, for a better social and mental (overall) well being. The targeted population corresponds to people older than 50 years in mobility situations and affected by presbycusis that induces a loss of sense of safety and self-confidence. Affected Security and Mobility due to altered sound perception of elderly is observed in two main situations:

- Mobility in confined public spaces such as transport stations, airports, supermarkets, museums, etc...where altered audio/speech and verbal communication perception has serious impact on emotional, physical and social well-being.
- Urban Mobility where the elderly are involved in 40% of fatal injuries (105,000 deaths/year), and 1500 accidents/day require medical assistance according to the European Network for Safety.

Therefore two Audio Aged Sensitive ICT innovations will be designed:

- [l'CityLoudSpeaker]: smart loud speakers for better intelligibility in confined public spaces such as railway stations, airports, museums and during car driving.
- [l'CityAlarm]: Embedded system in vehicles for automatic outdoor alarm localization and indoor alarm enhancement.

These systems will be “transparent” and embedded in mass products for people with presbycusis hearing without impacting normal hearing people, in the “Design for All” approach. The l'CityForAll innovations will be tested by using the analysis software developed by the CENTICH and involving 90 users of the targeted population which will be compared to a normal group of population. The results of this assessment will form the basis of a labelling procedure that can be extended to other technological solutions.

PARTNERS

Commissariat à l'Energie Atomique et aux Energies Alternatives	R&D	France	www-list.cea.fr
Université Paris Descartes	R&D	France	www.lipade.mi.parisdescartes.fr
Agenzia Nazionale per le nuove tecnologie, l'energia e lo sviluppo economico sostenibile	R&D	Italy	www.robotica.casaccia.enea.it
Technische Universität München	R&D	Germany	www.tum.de
Centro Ricerche FIAT	R&D	Italy	www.crf.it
Centre d'Expertise National des Technologies de l'Information et de la Communication pour l'autonomie	End-user	France	www.centich.fr
Active Audio	SME	France	www.activeaudio.fr
EPFL - Laboratoire d'Électromagnétisme et d'Acoustique	R&D	Switzerland	www.infoscience.epfl.ch

Name of the project: Icityforall

Coordinator: Commissariat à l'Energie Atomique et aux Energies Alternatives

Duration: 36 Months

Starting Date: July 1, 2012

Total budget: € 5 082 399.00

Public contribution: € 2 409 300.36

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IMAGO

In Europe 0.9 Million people are blind and 12 Million are visually impaired. Global the numbers are over 160 million. Over 60% of the blind and visual impaired in Europe are now 60 years of age or older. The WHO expects further growth of 30-50% within next 10-15 years related to ageing and diabetes. Despite all new technologies mobility for visually impaired still relies on remembering routes and using a long cane. Travelling outside a limited comfort zone requires help from others. Unnecessary economic and civil isolation is a consequence. High accuracy mobility is a clear unmet need. Today satellite receivers have the size of a coin. However high accuracy positioning is still lacking due to quality and availability of satellite signals. The future of satellite navigation offers no solution in for the next decades. The IMAGO project will deliver a new positioning method filling the satellite gap for pedestrian navigation. This method will be based on video processing, comparing pre-walked and geo-tagged route movie frames to the current recorded scene. An image-based positioning and navigation system will be implemented at the functional prototype level and validated with users. The IMAGO consortium connects partners with specific technological and application domain knowledge. Users from the Netherlands, Germany and Belgium will be involved in the IMAGO project. Users will validate the systems during the various stages of development.

PARTNERS

Applied Biomedical Systems bv	SME	The Netherlands	www.ab-sys.eu
RWTH Aachen, dept medical information UNIKLINIK	SME	Germany	www.ukaachen.de
Mediafiler	R&D	The Netherlands	www.mediafiler.nl
NVBS, Oogvereniging	END USER	The Netherlands	www.oogvereniging.nl
Blindenzorg Licht & Liefde	END USER	Belgium	www.blindenzorglichtenliefde.be
I-Cane social technologies	SME	The Netherlands	www.i-cane.org

Name of the project:

Imago

Coordinator: I-Cane Social Technology BV

Duration: 36 month

Starting Date: September 1, 2012

Total budget: € 1.267.571

Public contribution: € 793.668

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MOBECS

A Non-stigmatizing (MOB)ility and (E)mergency (C)all (S)ystem Ensuring A Safe Outdoor Mobility Chain

The MOBECS consortium is formed by a research institution, a communication service provider, hard- and software manufactures and end user organizations. The target focus group is formed by elderly people. Subgroup 1 is formed by elderly people who live independently in their homes. Subgroup 2 lives in (part-time) assisted living environments. Members of subgroup 3 already live in a retirement home or suffer from either cognitive or physical impairments. We address all subgroups, each characterized by its own needs and degrees of mobility, by a modular service and system architecture. We incorporate automatic emergency detection methods by using sensors (such as accelerometers, gyrometers, microphones, GPS modules, cameras) built in wearable technology, clothing and mobile devices. The proposed system can be accessed via a barrier-free human-machine-interface to account for age- and health-related impairments, which will lead to a maximum on end-user-acceptance and operability.



PARTNERS

Fraunhofer Gesellschaft zur Förderung der angewandten Forschung e.V.	Research Organisation	Germany	www.idmt.fraunhofer.de
ILPER Elektronik GmbH	SME	Germany	www.ilper.net
BeeWare GmbH	SME	Germany	www.beeware.de
IP Communications GmbH	SME	Austria	www.ahooly.com
Johanniter Unfallhilfe e.V.	End User/ Business-partner	Germany	www.johanniter.de
Sonnweid AG	End User/ Business-partner	Switzerland	www.sonnweid.ch

Name of the project:

MOBECS – A Non-stigmatizing (MOB)ility and (E)mergency (C)all (S)ystem Ensuring A Safe Outdoor Mobility Chain

Coordinator:

Fraunhofer Institute for Digital Media Technology
Project Group Hearing, Speech and Audio Technology

Duration: 01.July 2012 – 30.June 2015

Starting Date: 01.July 2012

Total budget: € 3.132.431

Public contribution: €1.989.650

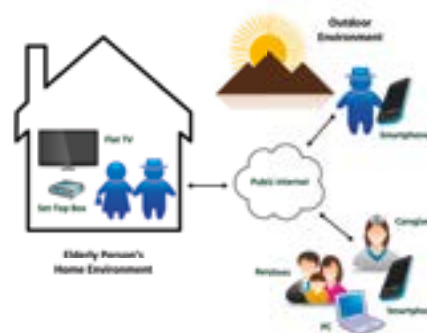
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Mobile.old

A Pervasive Guardian for Elderly with Mild Cognitive Impairments

MOBILE.OLD uses an Internet-enabled TV and/or a Set-Top-Box solution, which will be the main user interface for the older persons, providing multi-modal web-based user interfaces using the remote control for service navigation and advanced Text-To-Speech (TTS) solutions for audio announcements. Also a smartphone-solution using Android operating system, allowing on one hand for accessing the MOBILE.OLD services outside the home environment and on the other hand for offering advanced geofencing services will be used. The MOBILE.OLD consortium includes four partners who ensure the direct involvement of Austrian, Dutch, Spanish and Romanian elderly users throughout the project lifetime, including requirements collection phase of the projects, as well as the pilot trial activities that will take place at least twice during the project. The MOBILE.OLD services will be offered through the TV-Set over the public Internet or a smartphone by accessing the MOBILE.OLD Application Server.



PARTNERS

LIFetool gemeinnützige GmbH	End-user	Austria	www.lifetool.at
National Foundation for the Elderly	End-user	The Netherlands	www.ouderenfonds.nl
Madrid Health and Wellbeing Cluster	End-user	Spain	www.madridnetwork.org
Ana Aslan International Foundation	End-user	Romania	www.brainaging.ro
SIEMENS SRL	R&D/ Business	Romania	www.siemens.com
SEPROTRONIC GmbH	R&D/ Business	Germany	www.seprotronic.com
SAFEVIEW	R&D/ Business	Spain	www.safeviewtv.es
BLUE POINT IT SOLUTIONS	R&D/ Business	Romania	www.bluepoint-it.ro
AdvTec Ltd.	Business	United Kingdom	www.advtec.co.uk
Upper Austria University of Applied Sciences	R&D/ Business	Austria	www.fh-ooe.at

Name of the project:

Mobile.old

Coordinator: LIFetool gemeinnützige GmbH

Duration: 24 months

Starting Date: June 1, 2012

Total budget: € 2.497.725,00

Public contribution: €1.471.220,20

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MyGuardian

A Pervasive Guardian for Elderly with Mild Cognitive Impairments

MyGuardian will provide the following technologies: easy-to-use and rich communication between the mobile senior and the caregivers in order to reassure both caregivers and the senior thanks to the enrichment of communication messages with contextual data on senior's psychological state; remote tracking and assistance that will enable the monitoring of senior physiological state and behaviour in order to detect risk situations and appropriate, personalized intervention, escalating depending on the assessed criticality of the situation; coordination between caregivers that will improve awareness within the group of caregivers, and enable them smooth distribution and delegation of care tasks. Three end-user organizations of Spain, France and The Netherlands. End-user organizations in these three countries will be involved that will provide access to approximately 30-50 seniors with mild cognitive impairments together with their voluntary caregivers and possibly also professional caregivers (e.g., their social nurses).



PARTNERS

HI-Iberia Ingenieria y Proyectos SL	SME	Spain	www.hi-iberia.es
CETIEX	End-user	Spain	www.cetiex.es
University of Geneva	University	Switzerland	www.qol.unige.ch
VigiSense	SME	Switzerland	www.vigisense.com
ConnectedCare	SME	The Netherlands	www.connectedcare.nl
CNRS Ageing, Imaging, Modeling lab	End-User	France	www.agim.eu
Careyn	End-User	The Netherlands	www.careyn.nl

Name of the project:

MyGuardian, A Pervasive Guardian for Elderly with Mild Cognitive Impairments

Coordinator: HI-IBERIA Ingenieria y Proyectos SL

Duration: 36 months

Starting Date: 01/05/2012

Total budget: € 2.287.932

Public contribution: €1.394.827

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NavMem

Navigation Support for Older Travellers with Memory Decline

The NavMem system is targeted at elderly travellers, but will include a number of features targeted specifically at MCI users. The main scenario focuses on supporting people when visiting unfamiliar environments, such as travelling within unknown areas of a city. The navigation companion provides three different modes: (1) Background mode: the system provides coarse multimodal spatial cues, such as direction and distance to the next intermediate goal, such as a bus stop. Users try to find their own routes, which will stimulate their spatio-cognitive abilities. (2) Navigation mode: the system will provide detailed navigation instructions that are tied to landmarks. (3) Safety line: In case the user is not able to overcome disorientation, the system can temporarily share the user's location on demand to (informal) care givers to get personal support. Following the human-centred design process, end users and all stakeholders will be involved throughout all stages of the development.



PARTNERS

OFFIS e.V	Research	Germany	www.offis.de
Siemens AG	Industry	Germany	www.siemens.com
Navevo Limited	SME	UK	www.navevo.com
Swedish Stroke Association	User Organization	Sweden	www.strokeforbundet.org
ULUND (Lunds universitet)	Research	Sweden	www.certec.lth.se
Astando AB	SME	Sweden	www.astando.se
Roessingh Research and Development	SME	The Netherlands	www.rrd.nl

Name of the project:

NavMem. Navigation Support for Older Travellers with Memory Decline

Coordinator:

OFFIS – Institute for Information Technology Department of Health

Duration: 36 months

Starting Date: October 1, 2012

Total budget: € 1,98 Mio

Public contribution: € 1,08 Mio

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SafeMove

Safe mobility of elderly in the vicinity of their home and on Journeys

The solution will be designed and developed as an operational infrastructure suitable to provide all the requested functionalities to enhance the quality of life of elderly people and improve their mobility. The operational infrastructure will be designed according to the abstract SOA model and the implementation of prototypes and final system will be carried out by using self-standing components for the hardware platform and web-services and related technologies for the software architecture. This technological choice will allow for a high flexibility and reusability of software and hardware components, concurrent development, and easy management of both the development process and the communication. The operational infrastructure will be the “glue” that will allow the proper and smooth functioning of the relevant technical modules in the solution: motivational and creative games engine, location/navigation personalised tools, Web2.0 tools for social inclusion and communication, multimodal interaction, communication infrastructure.



PARTNERS

megatel GmbH	Industry	Germany	www.megatel.de
Neusta Mobile Solutions GmbH	SME	Germany	www.neusta-ms.de
InfoConsult GmbH	SME	Germany	www.infoconsult.nu
Volkshilfe Oberösterreich	End User	Austria	www.volkshilfe-ooe.at
Universität Bern	University	Switzerland	www.unibe.ch
Research House UK	SME	United Kingdom	www.researchhouseuk.com
Netural Communication	SME	Austria	www.netural.com
e-learning knowledge Solutions LTD	SME	Israel	www.e-learning.co.il

Name of the project:

Safe mobility of elderly in the vicinity of their home and on Journeys „SafeMove“

Coordinator:

megatel Informations – und Kommunikationssysteme GmbH

Duration: 36 months

Starting Date: 1st July, 2012

Total budget: € 2.169.940

Public contribution: €1.160.221

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T&Tnet

Travel & Transport solutions through emotional-social NETworking

Technologically speaking, T&Tnet will make use of a Multimodal travel and transport infrastructure (dealing with network object modelling, label correcting techniques and metaheuristic algorithms to find the shortest viable path from an origin to a destination), System intelligence and artificial reasoning (multimodal behaviour measurement, reasoning and control system (RT-MMC)), Mobile applications (iOS and Android) and a GIS social platform. The T&Tnet project will use a user-centered approach that involves directly end-users throughout the development lifecycle. Three basic principles of this approach will be followed: (a) an early focus on users and their needs, (b) evaluation and measurement of product usage, and (c) iterated design. End-users organizations (FR, SN, ZGZ) will use a variety of techniques and methods to take into account the user's experience for the design of the product features.



PARTNERS

ISOIN	SME	Spain	www.isoin.es
TELLU AS	SME	Norway	tellu.no/?pg=english
Center for Usability Research and Engineering	Research center	Austria	www.cure.at
Karde AS	SME	Norway	www.karde.no/
GeoImaging Ltd	SME	Cyprus	www.geoimaging.com.cy
Instituto Tecnológico de Aragón	Research Center	Spain	www.ita.es/ita
Santer Reply SpA con único Azionista	Large Company	Italy	www.reply.eu
Seniornett Norge	End user	Norway	www.seniornett.no
Zaragoza City Council	City Council – end user	Spain	www.zaragoza.es
AP-HP/ Hôpital Broca	Large Hospital – end user	France	www.aphp.fr

Name of the project:

T&Tnet - Travel & Transport solutions through emotional-social NETworking

Coordinator:

ISOIN – Ingeniería y Soluciones Informáticas S.L.

Duration: 30 months

Starting Date: 01/07/2012

Total budget: € 3.170.229

Public contribution: €1.577.076

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TMM

The MobilityMotivator

MobilityMotivator will integrate a range of state of the art technologies such as a “4D” Contact Point Station, providing accessible, customized and simultaneous verbal and non-verbal communication combined with reading and writing of shared documents, and a Videoconference Goniometer (VCBG), allowing for telemeasures of ranges of motion, into a multi-player GPS navigation gaming environment leveraging La Mosca’s technologies in “City Secrets”, to provide a truly innovative and fun approach to healthy living and ageing.

Indeed Dr H (secondary enduser) who wants to motivate his older diabetic patient in practising exercise and fighting isolation, will use the 4D Contact station combined with the VCBG, to understand his patients needs, to assess his physical and cognitive capabilities, to encourage him to play according to his personal capabilities, and to monitor these over time, communicating with him from his office in the hospital. Dr H will also be able to download the results achieved in the medical scenarios played by his patient.



PARTNERS

Laboratoire d'Ingénierie de Systèmes, (University of Versailles-St Quentin en Yvelines)	R&D	France	www.lisv.uvsq.fr
IAT, University of Westphalien	R&D	Germany	www.iatge.de
Subcontract for IVES	SME	France	www.ives.fr
Audemat	SME	France	www.audemat.com
Studio 352	SME	Luxembourg	www.studio352.lu
Inventya Ltd	Business	United Kingdom	www.inventya.com
E-SENIORS	End User	France	www.e-seniors.asso.fr
Hôpitaux Universitaires de Genève	End User	Switzerland	www.hug-ge.ch
German Red Cross Mettmann	End User	Germany	www.drk-mettmann.de
La Mosca	SME	Belgium	www.lamosca.be

Name of the project:

The MobilityMotivator (TMM)

Coordinator:

Université de Versailles Saint Quentin en Yvelines

Duration:

3 years

Starting Date:

June 1st, 2012

Total budget:

€ 4 026, 476.00

Public contribution:

€ 2 072,406

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VIRGILIUS

A Guide to Elders' Well Being

VIRGILIUS project will implement a system which will provide services to be tested in the following scenarios:

Hospital orientation: Considering the orientation difficulty encountered by the elders person especially in the big Hospital, the Perugia Hospital has shown interest in a system able to provide the necessary elders people support to the movement within the hospital.

To this aim, the development of a navigation and guidance application in an indoor complex environment has been taken into account.

By means of an easy device to be provided at the Hospital entrance and on which the dedicated personnel loaded the “pre-trip” of the person, the elder person will be able to go around the Hospital

Travel support-pedestrian guide: This scenario has been taken into account to answer to the elder person necessity to have a simple and international “guide-device” during their movement around the world. To this aim, the navigation and guidance application in an indoor complex environment developed for the previous scenario will be upgraded with the outdoor navigation functionally in order to provide to the users a device able to support their movements in both cases and in every place of the world, assuring the continuity and affordability of the services. In this case, the system will be able to provide the management and related filtering of the information providing indication and sending location info and/or alarm to the elder’s family.

In particular, the developed services and products will be used by elders, which travel without family or caregiver, in order to benefit of a virtual guide inside the Romanian Museum (ticket office, exits, toilet, a guide to the museum) and, if case, to send alarms to the family. Also, the family can check on a virtual platform the location of the elder.

PARTNERS

Telespazio	Business	Italy	www.telespazio.com
Rartel	Business	Romania	www.rartel.com
ArxIT SA consulting	SME	Switzerland	www.arxit.com
National Philatelic Museum	End-user	Romania	www.muzeulfilatelico.ro
University of Geneva	R&D	Switzerland	www.unige.com

Name of the project:

VIRGILIUS – A Guide to Elders' Well Being (AAL-2011-4-046)

Coordinator:

Telespazio S.p.A

Duration:

30 months

Starting Date:

01/06/2012

Total budget:

€ 3.212.863,90

Public contribution:

€ 1.594.043,66

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Website:

www.virgilius.eu

AMBIENT ASSISTED LIVING



CALL 5

ICT-based Solutions for (Self-) Management of Daily Life Activities of Older Adults at Home



BREATHE

There are a number of problems that informal caregivers nowadays have to face: lack of experience and formal education in care, shortage of tools to manage the whole cycle, stress and depression. This is a well-known problem since family carers provide 80% of LTC in Europe. BREATHE platform will provide an ICT-based solution for the caregiver and the elderly in order to mitigate these problems and impact at three different levels: (1) personal, by increasing quality of life and care, (2) local and regional, by providing a tool usable by different stakeholders to effectively manage the reality of the informal care as well as by opening opportunities of new business models and employment and (3) European, by reducing health system costs as a consequence of an effective management of the informal care. The individual solution is based on a strong server side system that maintains updated models of both caregiver and assisted person and offers strategic support and customized guidance during the whole long-term care process.

PARTNERS

TSB	SME	Spain	www.tsbtecnologias.es
KU	R&D	United Kingdom	www.kingston.ac.uk
ISI	SME	Spain	www.isibenestar.com
TCD	R&D	Ireland	www.tcd.ie
ERREMME	SME	Italy	www.erremmeweb.it
BIME	SME	United Kingdom	www.bath.ac.uk/bime
CYB	SME	United Kingdom	www.cybermoor.org
TER	SME	Ireland	www.emergencyresponse.ie

Name of the project:

Breathe

Coordinator:

Soluciones Tecnológicas para la Salud y el Bienestar S.A (TSB)

Duration: 30 months

Starting Date: May 1, 2013

Total budget: € 2.051.361,29

Public contribution: € 1.109.626,05

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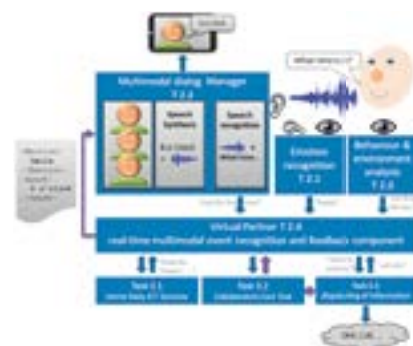
Website: www.breathe-project.eu

CaMeLi

Care Me for Life

A coherent user-centric technological solution will be provided based on an innovative practice-oriented Virtual Partner (ViP) care model that considers established behavior communication patterns/ways of an older person with a human partner when carrying out daily activities at home. The ViP model will be combined with state of the art human computer interaction (emotion recognition, intelligent dialogue) and user behavior analysis technologies. Specifically, the interaction with the user will be an innovative adaptive multi-modal Avatar interface integrated and operating on a scalable distributed network of interconnected tablet devices, with integrated video cameras, installed on selected wall locations in the home of the user. The avatar will enable seamlessly continuous detection (via video) and analysis of the elderly behavior in the totality of his home, as well as identification of his emotional state, based on voice intonation and facial expressions and taking into account the related context of the user's daily activity occurrences. In addition, the system provides a direct communication channel to the care community consisting of formal and informal carers that can assist older persons to carry out daily activities at home. The use of an avatar, instead of a human, has the major advantage that it is less threatening for the privacy and the users do not have the feeling that they are constantly under surveillance by a human (since they can turn it off at any time). Two pilots, in the Netherlands

and Switzerland representing the two different use cases, will be carried out. Up to 200 elderly people and their caregivers will use CaMeLi over a six month period.



PARTNERS

SIEMENS AG	Big Enterprise	Germany	www.siemens.com
University of Geneva	Research Organization	Switzerland	iss.unige.ch
ORBIS Medical & Care Group	End user organization	The Netherlands	www.orbisconcern.nl
Instituto Pedro Nunes	Research Organization	Portugal	www.ipn.pt
NetUnion SA	SME	Switzerland	www.netunion.com
ViVa Association	End user organization	Switzerland	www.association-viva.org
Noldus Information Technology	SME	The Netherlands	www.noldus.com
Citard Services Ltd*	SME	Cyprus	www.citard-serv.com

Name of the project:

Care Me for Life, CaMeLi

Coordinator: Siemens AG, Markus Dubielzig

Duration: 24 months

Starting Date: June 1st, 2013

Total budget: € 3.455.319

Public contribution: € 1.898.932

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Care4Balance

Care for balancing informal care delivery through on-demand and multi-stakeholder service design

This always-on intelligent dashboard will be used to show status information and will enable communication and coordination towards the professional and the informal caregiver. The information to feed the status board will be collected both through user-generated input and through automatically collected contextual sensor data. The back end system will detect & analyse care demands and/or cumbersome situations.

Multi-stakeholder design will be based on co-creation methodologies with the different users (elderly, informal and formal caregivers).

The system will be realised with technological components available within the consortium, with focus on interoperability with other technologies.

Living lab recruitment and testing will be done in three countries: in the Netherlands at the living lab of AMSTA (Amsterdam), in Belgium in the LeyLab living lab of Kortrijk and in France at the residential dwellings already served by Pervaya.



PARTNERS

iMinds	Research Centre	Belgium	www.iminds.be
Televic Healthcare	Industry	Belgium	www.televic-healthcare.com
connectedcare	SME	Netherlands	www.connectedcare.nl
Hogeschool Amsterdam	Research & Education	Netherlands	www.hva.nl
Van Dorp Zorg en Welzijn	Industry	Netherlands	www.vandorpzorgenwelzijn.nl
AMSTA	User – care provider	Netherlands	www.amsta.nl
Alcatel-Lucent Bell N.V	Industry	Belgium	www.Alcatel-Lucent.be
Pervaya	SME	France	www.pervaya.com
VigiSense	Industry	Suisse	www.vigisense.com
Hochschule Luzern – iHomeLab	Research	Suisse	www.iHomeLab.ch

Name of the project:

Care4Balance - Care for balancing informal care delivery through on-demand and multi-stakeholder service design

Coordinator: iMinds

Duration: 30 months

Starting Date: 01/03/2013

Total budget: € 2 380 199

Public contribution: € 1 532 042

Contact: ann.ackaert@intec.ugent.be

Website: www.aal-care4balance.eu

ChefMySelf

Assistance solution for improving cooking skills and nutritional knowledge for independent elders

Independent older people with no severe illnesses or disabilities, but not excluding elderly with some mobility impairments or mild cognitive limitations. To assure the success of the development of the project, the users opinion and point of view will be taken always into account, starting from the investigation of the state of the art of the involved technologies and their perception, going through the design and development of the different modules of the solution, and finishing with the trials phase to be performed in their homes.

The envisioned ChefMySelf system can be divided into three main components – Cloud Services, User Interface and Food Processor - each interacting with each over a set of secure, open and standardized interfaces. The proposed system will follow the cloud computing paradigm, ensuring security, scalability and reliability.

To perform the usability test the system will be setup and demonstrated by the participating organizations at selected pilot sites (2 sites are foreseen: Italy and The Netherlands).



PARTNERS

Fundación Cetemmsa	RESEARCH CENTRE	Spain	www.cetemmsa.com
Istituto Nazionale di Ricovero e Cura per Anziani	END-USER	Italy	www.inrca.it
POLNE, S.L (Taurus Group)	INDUSTRIAL COMPANY	Spain	www.group-taurus.com
Associação Fraunhofer Portugal Research	RESEARCH CENTRE	Portugal	www.fraunhofer.pt
Unie KBO	END-USER	Netherlands	www.uniekbo.nl
ASM Market Research and Analysis Centre Ltd.	SME	Poland	www.asm-poland.com.pl/en
ME.TE.DA. s.r.l.	SME	Italy	www.meteda.it

Name of the project:

Assistance solution for improving cooking skills and nutritional knowledge for independent elders, ChefMySelf, AAL-2012-5-120

Coordinator: FUNDACIÓN CETEMMSA

Duration: 24 months

Starting Date: June 1st, 2013

Total budget:

Negotiation phase is still open on some participant countries.

Public contribution:

Negotiation phase is still open on some participant countries.

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Dalia

Assistant for Daily Life Activities

The DALIA Personal Virtual Assistant will be created mainly for smart phones and Smart-TVs based on Android, chosen due to its wide deployment and open platform. For proper usage, the end-users need a suitable smart phone; for usage at home a Wi-Fi connection is sufficient, whereas for outside usage a data flat rate contract is recommended. The smartphone integrated sensors will be used for the measurement of health parameters. The base for the PVA will be ANNE, an avatar developed by consortium member Virtask which has already included speech- and face- recognition. The DALIA project will integrate its components in a service-oriented architecture, which allows for functionality decomposition, easy integration of new services, and reuse of already existing services in different applications. Two prototypes including user evaluation will ensure a solution tailor made for the targeted end-users. Evaluation will involve a group of 20 to 30 yet-fit-enough 60+ people provided by the end-user partners.



PARTNERS

Exthex GmbH	SME	Austria	www.exthex.com
Virtual Assistant bv	SME	Netherlands	www.virtask.nl
TP Vision Belgium	Large Enterprise	Belgium	www.tpvision.com
Graz University of Technology	R&D	Austria	kti.tugraz.at www.iaik.tugraz.at
Lucerne University of Applied Sciences and Arts / iHomeLab	R&D	Switzerland	www.ihomelab.ch
Upper Austria University of Applied Sciences / Institute of Applied Health and Social Sciences	R&D	R&D	www.fh-linz.at
Volkshilfe Steiermark – gemeinnützige Betriebs GmbH	End-users	Austria	www.stmk.volkshilfe.at
terzStiftung	End-users	Switzerland	www.terzstiftung.ch
Woonzorg- en dienstencentrum 't Dijkhuis	End-users	Netherlands	www.hetdijkhuis.nl
Steffung Hellef Doheem	End-users	Luxembourg	www.shd.lu

Name of the project:

Assistant for Daily Life Activities at Home DALIA

Coordinator: Exthex GmbH (Austria)

Duration: 3 years

Starting Date: 01/04/2013

Total budget: € 2.840.748

Public contribution: € 1.576.876

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Website: www.dalia-aal.eu

www.facebook.com/DaliaAAL
twitter.com/DALIA_AAL

EDLAH

Enhancing Daily Life and Health through “One stop shop” user interaction

EDLAH will utilise where possible existing technologies, adapting them as necessary, to be more appropriate to the older person and health care environment. The ‘One Stop Shop’ concept will bring together key lifestyle elements, medication, nutrition and exercise, object localisation, social communication, health education, efficient reporting etc. These elements will be made available in application format, via the most common media platforms, web, mobile and tablet. All platforms will be researched, whilst Android and IOS platforms, will be developed for commercialisation. Particular attention will be paid to the User Interface, ensuring good adaption to the older person, family members as well as health care professionals. Trials will be carried out with residents, families and professionals at the two Care home organisations (KHL and MRPS) partnering in the project. This testing will ensure a product and service that is relevant and operable across the community.

PARTNERS

KG&S	SME,	UK	www.Karisgroup.com
Everdream Soft	SME,	Switzerland	www.everdreamsoft.com
Karis Homes Ltd	User Organisation	UK	www.beaumontvillage.co.uk
La Maison de Retraite du Petit-Saconnex	User Organisation	Switzerland	www.mrps.ch
Pyxima	SME,	Belgium	www.pyxima.com
Research Studio Austria	R&D	Austria	www.researchstudio.at
University of Geneva	R&D	Switzerland	www.unige.ch

Name of the project:

Enhancing Daily Life and Health through “One stop shop” user interaction. EDLAH

Coordinator: Karis Group (KG&S) UK.

Duration: 30 months

Starting Date: 01 May 2013

Total budget: € 2,900,000

Public contribution: Budgets are controlled by NFA.

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ELF@Home

elderly sELF-care based on sELF-check of health conditions and sELF-fitness at home

The proposed service will automatically generate a personalized fitness program based on the health status and the continuous monitoring of activity level of the user. This continuous monitoring will be accomplished by the development of a new wearable activity sensor specially designed for elderly needs. The health status monitoring will be done using biomedical sensors. A TV interface and a computer vision system will be used during fitness sessions to analyse fitness exercises execution. All these components will be connected to a service platform implementing the intelligence needed. The system will be tested by two groups of users: users who will be supervised by professional gerontologists, and elderly people living in spare areas and with no previous experiences with elderly fitness. The first group will allow the validation of the proposed system in comparison with the current approaches. The second group will validate technology deployment and usability in an important potential market.



PARTNERS

Fundación CTIC - Centro Tecnológico	Research Org.	Spain	www.fundacionctic.org
Izertis	SME	Spain	www.izertis.com/
Sociedad Gerontológica y Geriátrica del Principado de Asturias	User Org.	Spain	
Umeå University	University	Sweden	www.informatik.umu.se/english/?languageId=1
Explizit AB	SME	Sweden	www.explizit.se/
www.checkup.se	R&D	R&D	www.fh-linz.at
Skellefteå Kommun	User Org.	Sweden	www.skelleftea.se/
Franhofer Institute of Integrated Circuits	Research Org.	Germany	www.iis.fraunhofer.de/med
Innovationsmanufaktur GmbH	SME	Germany	www.innovationsmanufaktur.com/
2D Debus & Diebold Meßsysteme GmbH	SME	Germany	2d-datarecording.com/

Name of the project:

ELF@Home. elderly sELF-care based on sELF-check of health conditions and sELF-fitness at home

Coordinator: Fundación CTIC - Centro Tecnológico

Duration: 36 Months

Starting Date: 1/June/2013

Total budget: € 2.604.926,00

Public contribution: € 1.437.492,74

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GeTVivid

Let's do things together

Equipping an older adult's home with different technologies is not the solution to create a perfect home environment but already available technologies hold the ability to make a useful contribution. The TV as an integral part of peoples' everyday life can be found in many homes and is therefore one of the most widespread and familiar devices that influences people lives. While in former days the TV has been mainly used to retrieve news and as a medium for entertainment, Internet access has promoted the development of interactive TV.

GeTVivid aims at supporting older adults with mild impairments to manage their daily activities in their home and aims at improving the quality of life, autonomy and participation in social life. Our overall goal is to design for "natural" and easy-to-learn interactions that will lower cognitive demands and allow older persons to keep regular contact with people. Therefore, a platform connecting TV devices will be developed based on the HbbTV standard and complemented with a mobile second screen. Through push and pull customized information and services can be provided to the older adults. The access will be on-demand either by changing to a specific channel, pressing a button on the remote control or touching a button on the mobile frontend. By applying user-centered design the users and their

activities, goals and characteristics are placed in the center of the development process, i.e. the specification of potential services will be explored within this project together with them. As HbbTV is a rather new technology to many users and application developers, it will be crucial to get to know the affordances of the digital material (HbbTV) by exploring the properties (e.g., the combination with a second mobile screen).



PARTNERS

Paris-Lodron University of Salzburg	Research	Austria	icts.uni-salzburg.at
University of St. Gallen	Research	Switzerland	www.iwi.unisg.ch
CURAVIVA Verband Heime und Institutionen Schweiz	End User Organization	Switzerland	www.curaviva.ch
Institut fuer Rundfunktechnik GmbH	SME	Germany	www.irt.de/en/
Höwener & Trapp Evision GmbH	SME	Germany	www.evision.de
Ingenieria y Soluciones Informaticas del Sur, S.L.	SME	Spain	www.isoin.es
Verein für Menschen mit Körperbehinderung Nürnberg e.V.	End User	Germany	www.behinderte-nuernberg.de
EURAG Österreich	End User	Austria	www.eurag.at

Name of the project:

GeTVivid – Let's do things together. AAL-2012-5-200

Coordinator: Paris Lodron University of Salzburg

Duration: 36 months

Starting Date: 1st July 2013

Total budget: € 3.334.052

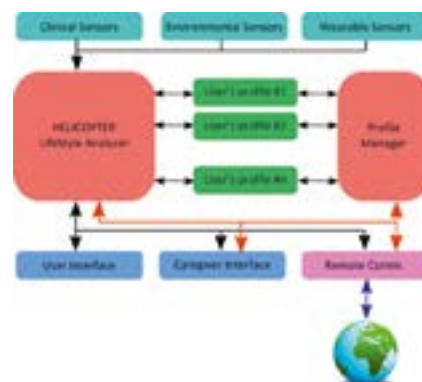
Public contribution: € 2.175.348

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HELICOPTER

HEalthy Life support through COmPrehensive Tracking of individual and Environmental Behaviors

Bad life habits play a major role in developing and progression of age-related diseases: nutrition, medical therapies and physical exercise are among the keys for prevention and control. Regular checking of health parameters is often overlooked, due to boredom, complexity or lack of motivation. HELICOPTER aims at inferring end-users' healthiness in an unobtrusive and simple way, through monitoring of daily life behaviours and will support end-user and their caregivers with feedback, advice, and motivation. The system will gather data coming from a heterogeneous set of (mostly off-the-shelf) devices, including medical, environmental and wearable sensors, to provide a qualitative and quantitative assessment of the activities carried out. This would make the health monitoring routine much less boring and demanding, possibly leading to reduce the need of frequent checking of clinical parameters and enable several services, fostering user's awareness and motivation and providing the caregiver with insights, alarms and reports.



PARTNERS

Me.Te.Da. S.r.l.	SME	Italy	www.meteda.it
Università degli Studi di Parma	R&D	Italy	www.unipr.it
SC Vision Systems SRL	SME	Romania	www.vision-systems.ro
University of Skövde	R&D	Slovenia	www.his.se
Laboratorio delle Idee S.r.l.	SME	Italy	www.labidee.com
Municipality of Skövde	End-users	Slovenia	www.skovde.se
Copenhagen Institute of Interaction Design	SME	Denmark	ciid.dk
Coöperatie Slimmer Leven 2020	End-users	Netherlands	www.slimmerleven2020.org
International Business School, Jönköping University	R&D	Sweden	hj.se/jibs

Name of the project:

HELICOPTER - HEalthy Life support through COmPrehensive Tracking of individual and Environmental Behaviors

Coordinator: Me.Te.Da. S.r.l.

Duration: 3 years

Starting Date: July 1, 2013

Total budget: € 2.880.010,00

Public contribution: € 1.655.905,00

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MEDiate

Collaborative and interMEDiating solution for managing Daily Activities for The Elderly at home

The baseline activity around which MEDiate is designed and deployed is a multi-functional and multi-role support to the requirement of the information circulation and coordination between the elderly and their informal network, as well as between the informal and the formal network. The fundamental originality of MEDiate is to build upon the multi-talent openness, initiatives and active implication of all informal stakeholders, in the design, testing and dissemination of both the formal and more informal services. This aims basically at enriching the overall supportive capability to the elderly, in particular reinforcing the linkage between the social and medical strands of the care delivered, providing only the required information to the proper stakeholders. MEDiate is a solution which is independent from any specific technology. It leaves room for the integration of other similar platforms or technological as well as service delivery evolutions in the future. To design such a system, a user-centered approach is in the heart of the development.



PARTNERS

CRP Henri Tudor	Tudor	Public Research Centre	www.tudor.lu
Ecole Polytechnique Fédérale de Lausanne	EPFL	Academic	www.epfl.ch
Camera Contact	CCC	SME	camera-contact.com/offre.html
Fondation Suisse pour les Téléthèses	FST	End User	www.fst.ch/fr.html
Pôle de Gériologie Interrégional Bourgogne Franche-Comté	PGI	End User	www.pole-gerontologie.fr
SIVCO	SIV	Large Entreprise	www.sivco.ro/en
G4S Security Solutions S.à.r.l.	G4S	Large Entreprise	www.g4s.lu/fr-LU
EGLU	EGLU	SME	www.eglu.net
Dessine-Moi Mon Répit	DMMR	End User	www.dmmr.fr

Name of the project:

MEDiate: collaborative and interMEDiating solution for managing Daily Activities for The Elderly at home

Coordinator: Public Research Centre Henri TUDOR

Duration: 2 years

Starting Date: 1st June 2013

Total budget: € 2.799.694

Public contribution: € 1.578.177

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NITICS

Networked InfrasTructure for Innovative home Care Solutions

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.



NITICS system's architecture / functional scenarios

PARTNERS

ECLEXYS SAGL	SME	Switzerland	www.eclexys.com
SSW, Knowledge Society Association	End-user/SME	Poland	www.ssw.org.pl
CITST	End-user/SME	Romania	www.citst.ro
Warsaw University of Technology	Research	Poland	www.ire.pw.edu.pl
Siemens	Industry	Romania	www.siemens.com
MKS Electronic Systems Ltd.	End-user	Slovenia	www.mks.si
Camera-Contact	SME	France	www.camera-contact.com
SAPHYRION Sagl	Research	Switzerland	www.saphyrion.ch
Eeleo	SME	France	www.eleo.com

Name of the project:

Networked InfrasTructure for Innovative home Care Solutions, NITICS, 2012-5-255

Coordinator: ECLEXYS SAGL

Duration: 27 months

Starting Date: 1 May 2013

Total budget: € 4155944

Public contribution: € 2458145

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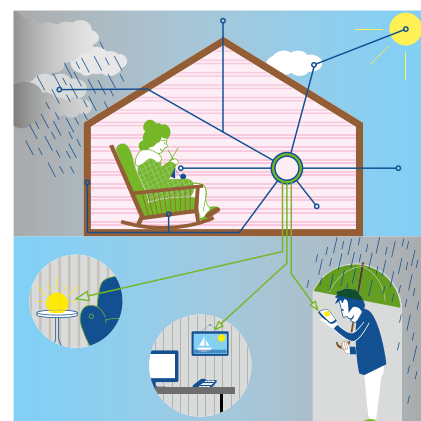
RelaxedCare

Unobtrusive connection in care situations

RelaxedCare: follows the user-inspired innovation process in combination with ISO 9241 and basis its technological developments on existing AAL middleware platforms that will be adopted and extended. A focus is put on the mathematical models and algorithms for the multi-level behaviour pattern recognition approach including a social activity layer and the development of pervasive user interfaces that are nicely designed and fun to use.

To create a working system, reliability and acceptance are crucial. Therefore two end user organisations as well as experienced designers and usability experts will include informal caregivers and assisted persons throughout the project in the development process.

Basing RelaxedCare on working AAL infrastructure (middleware, components) from research institutions and extending it with innovative products from business orientated companies will put the focus on a solution with high potential to reach the AAL market designed by and with end users, for end-users.



PARTNERS

AIT Austrian Institute of Technology GmbH	R&D	Austria	www.ait.ac.at
Hochschule Luzern Technik & Architektur – iHomeLab	R&D	Switzerland	www.ihomelab.ch
50plus GmbH	end-users, SME	Austria	www.50plusgmbh.com
New Design University	R&D	Austria	www.ndu.ac.at
Mobili	SME	Slovenia	www.mobili.si/
Szenografie	SME	Switzerland	www.szenografie.com
Ibernex	business	Spain	www.ibernex.es/EN/Index.php
soultank AG	SME	Switzerland	soultank.ch
Schweizerisches Rote Kreuz Luzern	end-users, SME	Switzerland	www.srk-luzern.ch

Name of the project:

RelaxedCare - Unobtrusive connection in care situations

Coordinator:

AIT Austrian Institute of Technology GmbH

Duration: 36 Month

Starting Date: 1st of May 2013

Total budget: € 3,062 Mio

Public contribution: € 1,834 Mio

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Salig++

Smart Assisted Living Involving Informal Caregivers

People prefer to live independently in their own homes for as long as possible. However, demographic changes, rising costs and new family structures are increasing the demands for new care solutions. Self-care and informal carers will play a key role in these new solutions. In order to support the ability of informal carers it becomes essential to reduce the impact of physical distance, increase informal carer presence in the daily life of elderly and to support cooperation between formal and informal carers to foster complementarity. To address these challenges, new care solutions should go beyond state of the art and enhance presence, awareness and complementarity.

The SALIG++ project offers novel solutions based on ICT-support for self-care by elderly and the bidirectional awareness and interaction between elderly and informal carers in collaboration with formal care in order to promote and prolong the well-being of elderly in living at home. SALIG++ makes it possible for carers to, for example, visit the home of the elderly from a distance and experience it as if they were actually there. The primary benefit is that carers become fully informed about the status of the elderly, her medical status as well as her home and devices (such as stove and faucets).

The key components of SALIG++ are three-dimensional (3D) AV capturing and visualization in combination with sensing, actuation and identification

techniques in support of remote presence and awareness. These techniques are introduced in the home as self-managed extensions to existing home audio visual equipment such as a networked media centre and surround systems, thereby avoiding introducing new intrusive physical apparatus, such as mobile robots.



PARTNERS

Stockholm University	University	Sweden	www.su.se
Divitel BV	SME	Netherlands	www.divitel.com
Almende BV	SME	Netherlands	www.almende.com
HI Iberia	SME	Spain	www.hi-iberia.es
TU Delft	University	Netherlands	www.tudelft.nl
Stockholm LänsLandsting	End user	Sweden	www.sll.se
Actimage	SME	Luxemburg	www.actimage.fr
PIAP	Institute	Poland	www.piap.pl

Name of the project:

Smart Assisted Living Involving Informal Caregivers, SALIG++, AAL- 2012 -5- 232

Coordinator:

Gustaf Juell-Skielse, Stockholm University, Sweden

Duration: 36 Months

Starting Date: June 1, 2013

Total budget: € 4,175,433.00

Public contribution: € 2,494,421.00

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TOPIC

The Online Platform for Informal Caregivers

In TOPIC, we aim at providing a solution by diminishing family carers' burden, by then decreasing all the related problems, and offer them a better quality of life and independence. It will then reduce all the related costs of these "hidden patients". The solution we offer to develop, the CarePortfolio, will provide multimodal social support to informal carers by means of a set of accessible online services, which would be available at all times via a portal, available on the Internet, via tablets, smart phones, and/or iTV. This set of services will cover the three dimensions of social support: informational, emotional, and tangible. Informational support means the flow of information, advice, or opinions that allow an individual to assess and understand the problem she/he is facing. Emotional support refers to sympathy, empathy, friendship, or love expressed through the support. This dimension is generally recognised as essential to social support. Tangible support means providing support in terms of goods (e.g., donated clothing or equipment) or services (for example, providing assistance in completing the paperwork). This way, TOPIC contributes to the research and industrial production of systems for elderly population and health care settings in Europe. How these systems will be deployed in the market will be defined via the definition of rental services by the business partners.



PARTNERS

Vienna University of Technology	R&D	Austria	www.tuwien.ac.at
ilogs mobile software GmbH	SME	Austria	www.ilogs.com
SOZIAL GLOBAL Aktiengesellschaft	End Users SME	Austria	www.sozial-global.at
University of Siegen	R&D	Germany	www.uni-siegen.de
SOPHIA Franken GmbH & Co KG	End Users SME	Germany	www.sophia-franken.de
AVINOTEC GmbH	SME	Germany	www.avinotec.de
Technology University of Troyes	R&D	France	www.utt.fr
E-Seniors	End Users SME	France	www.eseniors.eu
Lokeo	SME	France	www.lokeo.fr
Webinage	SME	France	www.webinage.fr

Name of the project:

The Online Platform for Informal Caregivers - TOPIC - AAL-2012-5-169

Coordinator:

Vienna University of Technology, Assoc. Prof. Hilda Tellioglu

Duration: 36 Months

Starting Date: 1.5.2013

Total budget: € 745,095.00

Public contribution: € 558,821.00

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understAID

A Platform that helps informal caregivers to understand and aid their demented relatives

The understAID project focuses on easing the lives of informal caregivers and directly addressing their currently unmet needs for accessible educational support. The solution will be based on new user-centered, personalized and context-based e-learning models that will provide customized and relevant guidance on how to deal with dementia and their inflicted relatives. The project's major novelty consists of the development of a sophisticated search methodology – based on advanced interactive profiling and surveying methods – for matching learning material and content with an individual's situational context and needs. This represents considerable advancements over today's information search and classification system. understAID will help the informal caregiver look ahead to and prepare for future situations and thus provide prophylactic content in mobile and web applications. The understAID solutions will involve and be tested among end users in Denmark, Spain and Poland – and individuals heavily burdened by demented relatives will constitute the main target group. After testing, the consortium expects to start commercializing understAID solutions 6 months post-project in the 3 countries.



PARTNERS

VIA University College	R&D	Denmark	www.viauc.com
Sekoia Assisted Living ApS	SME	Denmark	www.sekoia.dk
The Centre of Supercomputing of Galicia – CESGA	R&D	Spain	www.cesga.es
Balidea Consulting and Programming	SME	Spain	Balidea.com
Poznan University of Medical Sciences	R&D	Poland	pums.ump.edu.pl
Danish Alzheimer Association	End-user	Denmark	www.alzheimer.dk
The Gerontological Complex La Milagrosa – UDP A Coruña	End-user	Spain	www.centrolamilagrosa.org/lamilagrosa
Ortopedyczno-Rehabilitacyjny Szpital Kliniczny nr 4 im. W. Degi	End-user	Poland	www.orsk.ump.edu.pl
Skanderborg Municipality	End-user	Denmark	www.skanderborg.dk

Name of the project:

A Platform that helps informal caregivers to understand and aid their demented relatives. understAID AAL-2012-5-107

Coordinator:

VIA University College, Denmark

Duration: 36 Month

Starting Date: 11 Apr 2013

Total budget: € 1,526,217

Public contribution: € 962,846

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VictoryaHome

A robot for integrated care@home and peace of mind of carers

Be Well – VictoryaHome – Create Possibilities; this is the vision of a project that does not depend on automated functions, but augments them with immediate human presence when needed or desired by older adults or their caregivers.

What if at Irene's home there was a robot that “knows” what is happening with her in the house and share this knowledge with her carers? It does not tell all it knows, but will let them know when there might be a problem. The robot knows its user, if she took medication and when, whether she is taking enough water, what her activity level is or if she has fallen down and it can automatically call for help.

At this stage the carer can come in the house “virtually” using the tele-presence function. The robot will put in Irene's hands the responsibility of drinking water more frequently, taking the medicines on time and being more active. She knows this will let her carers stay informed regarding key status indicators and activities, showing she is OK so that the carers will feel greater confidence.

The tele-presence function of the robot is the starting point and it will be expanded with additional services. This will be done based upon an iterative design process with older adults, informal carers, formal carers and other stakeholders. Four trials will take place in Norway, Sweden, the Netherlands and Portugal where older adults at home will interact with remote informal carers and professional carers using the developed VictoryaHome services.



PARTNERS

Stichting Smart Homes	Research Institute	The Netherlands	www.smart-homes.nl
FFO Funksjonshemmedes Fellesorganisasjon	End User Organization	Norway	www.ffo.no
GroenekruisDomicura	Care Organization	The Netherlands	www.groenekruisdomicura.nl
SOS International	Care Organization	Norway	www.sos.eu/da/privat
Norwegian Centre for Integrated Care and Telemedicine, University Hospital of North Norway	Research Institute	Norway	www.telemed.no
Bluecaring	SME	Portugal	oncaring.com
Giraff Technologies AB	SME	Sweden	www.giraff.org
Tromsø Telemedicine Consult As	SME	Norway	telemedicineconsult.com
R&D Council, Sörmland County	End User Organization	Sweden	www.fou.sormland.se

Name of the project:

VictoryaHome - a robot for integrated care@home and peace of mind of carers

Coordinator: Stichting Smart Homes

Duration: 36 Months

Starting Date: 1.4.2013

Total budget: € 2,36 Million

Public contribution: € 1,31 Million

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Website: www.victoryahome.com

YouDo

We help!

The number of people in need of care increases constantly because of the increasing average age & quantity of people with physical limitations, especially in Europe. Also, there is manpower shortage in the care sector, which is more & more in financial straits. This is the reason why very many seniors will depend on their close relatives for the care needs. These people need help in overcoming the challenges they have to face & their problem is a lack of needed knowledge. The first confrontation with the notion of an intensive support for their family members comes often insidiously (e.g. dementia) or suddenly (e.g. stroke) through changing life circumstances.

In such situations the relatives need solutions, orientation & support - especially to analyse their own realistic possibilities & abilities. They should have access to all information that will help them to fulfil their role as informal carers; to all special training programs aimed to improving the quality of their nursing.

The innovation of our idea consists of gathering all the needed content for the top 6 care topics distributed to the informal carer on their personal trusted device (TV-set or computer) – depending on their age & preferences.

In a 2nd step we have to research in which way the content could be transformed, so that the end user really understands it. With the TV technology we use it is possible to set up own IP-TV-channels & feed them with own content.



PARTNERS

b-mobile	SME	Switzerland	www.b-mobile.ch
AIT Austrian Institute of Technology	Research	Austria	www.ait.ac.at
Fachhochschule Vorarlberg	Research	Austria	www.fhv.at
iHomeLab	Research	Switzerland	www.iHomeLab.ch
Diakonie München-Moosach	Enduser	Germany	www.diakonie-moosach.de
Meditrainment	SME	Germany	www.meditrainment.com

Name of the project:

YouDo – we help!, YouDo, AAL-2012-5-155

Coordinator:

b-mobile GmbH
Thomas Bugal

Duration: 3 years

Starting Date: September 2013

Total budget: € 1.572.698

Public contribution: € 2.827.260

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AMBIENT ASSISTED LIVING

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