MIDAS

Multimodal Interfaces for Disabled and Ageing Society

Project number: ITEA 2 - 07008

ITEA Roadmap application domains:
Major: Home
Minor: Nomadic

ITEA Roadmap technology categories:
Major: Human-Computer Interface
Minor: Data and Content Representation

WP7
Deliverable D7.6 (v3):
Dissemination plan for ITEA 2 MIDAS project

Due date of deliverable: Half a year update
Actual submission date:

Start date of project: 01/10/2008 Duration: 36 Months

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Organisation name of lead contractor for this deliverable: CEA LIST

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0. Executive summary

This document does not hold any differences with the December version D7.6 v2. The list of publications has been updated and can be obtained in the file Dissemination-itea2-MIDAS.xls on the web site.

1. Dissemination

MIDAS project has planned the Dissemination activities on Work Package 7, defining a clear route through the creation of a Dissemination plan.
The main dissemination channels considered in the MIDAS project are:

- Public project Website.
- Meetings with e-health sector companies and stakeholders.
- Participation to conferences, international fairs, seminars
- Organisations of workshops
- Scientific publications in magazines, specialised press and websites.

1.1. Electronic mailing lists

Internal Lists:
An electronic mailing list has been established for the project which aims to provide a mechanism for internal project communications. Currently this includes members of the project team from each partner site.

External Lists:
The set up of a dedicated mailing list including a wide range of companies and government institutions (e.g., hospitals) interested in the outcomes of the MIDAS project in different European countries will be one of the tasks performed in the dissemination work package. Such mailing list will allow MIDAS partners to keep strict contacts with potential end-users of the developed system. External mailing list can provide people with information on the evolution of the projects about public documents made available or important events about the project.

1.2. Project Website

Created at the very beginning of the project, this website reflects the project progress and results. It includes a white paper describing MIDAS R&D challenges and methodology. As the project proceeds, additional material addressing potential benefits for the end-users, identified application scenarios, and a more detailed description of the system will also be made available, together with public deliverables and project dissemination material (white papers, magazine papers, scientific papers etc.). Some of these materials will be targeted to end-users, and companies providing services to elderly and ill people.

1.3. Participation international fairs

Partners will organise face-to-face meetings with companies addressing the e-health sector and relevant stakeholders. This will help disseminating the results of the project and will allow challenging and assessing the assumptions made during the system design and set up.

1.4. Participation to conferences

Participation to a wide range of targeted conferences, international fairs, seminars, events and workshops, with presentations and practical demonstration of the MIDAS project results.

1.5. Organisations of workshops

MIDAS project will organised workshop Organisation of workshops with end-users and relevant stakeholders. These meetings will help identifying new user scenarios for the MIDAS system, assess the accessibility and usability of what built within MIDAS, and the fact it correctly reflects the end-users needs. The workshops will

- raise awareness about MIDAS activities, resources, etc.;
- act as training venues e.g. for disseminating instructional material as required by a particular stake holding community or communities;
- act as forums for more public discussion of research, development, collections, standards, or other strategic and substantive issues of interest to MIDAS and the wider community
- In addition, MIDAS hopes to supplement such events with those, which attempt to address same issues. Where appropriate MIDAS hopes to work with other programmes and organisations on these types of events.

1.6. Scientific publications

in magazines, specialised press and websites.

1.7. Exploitation of Results

The project has planned the Exploitation activities on Work Package 7, defining a clear route and monitoring through the creation of Exploitation plan taking into account the following particular interests:

1.7.1 ROBOTIKER

Robotiker-Tecnalia intends to exploit the results of the MIDAS project by transferring technology to third party companies as a way of improving their level of competitiveness. ROBOTIKER will also adapt MIDAS to the needs of Spanish Elderly Associations and explore its feasibility of use and adaptation for people with disabilities.

1.7.2 Telefonica ID

The main market opportunities for Telefónica I+D come from it's belonging to Telefónica group, a company totally owned by Telefónica S.A. Telefónica is an integrated operator of communication services and solutions. It has over 200 million customers in Europe and South América, being the leader telecom operator in most of the countries where it operates (second largest worldwide multinational mobile operator outside of China by number of subscribers). Telefónica is already cooperating with public organizations in Spain (regional or local governments) to offer telecare solutions (some of them developed by Telefónica I+D), with an increasing interest in this growing sector. Telefónica I+D has oriented the activity of one of its sites to projects related to telemedicine and telecare to better cover the new needs of Telefónica in these activities. This privileged situation offers a very wide market, and very clear market opportunities for the deployment of telecare platforms and solutions in Spain and abroad.

1.7.3 ESS

Being a consumer electronics manufacturer MIDAS will allow us to improve our knowledge and skills in different technological fields, cooperating with European experts in order to achieve an innovative global solution that will allow to build innovative products. The results reached within this project will allow Energy Sistem Soyntec to offer innovative products to its customers, specialising in the consumer electronics related to the elderly and handicapped people.

1.7.4 I&IMS

I&IMS aims at opening its market parts and perspectives in the health and disability sector and to strengthen its position in the field of products for remote services.

1.7.5 Moviquity

On the one hand, main business line of Moviquity is developing, selling and providing applications and services to both mobile operators and other service providers. By that way, Moviquity has the business chance to offer service companies, new value added services based on MIDAS oriented to final users. In between customers from MOVIQUITY will find such well known and established companies like TELEFONICA, SIEMENS, AMENA, VODAFONE, INDRA, ONCE (National Organisation of Disabled), GRUPO EULEN (32.000 employees), FACO (National Factory of electronic equipment), POLYTECHNIC UNIVERSITY (UPM), etc. MOVIQUITY is development partner from TELEFONICA MOVILES (TME) for the development of mobile applications and can provide a location based services platform. MOVIQUITY is also development partner from SIEMENS MOBILE, ERICSSON MOBILITY WORLD and NOKIA. Therefore Moviquity solutions based on MIDAS results will allow the project impact and market opportunities among our customers. Moviquity will apply the results of this project in the development and improvement of solutions for its clients, especially in the field of e-inclusion, e-health, e-commerce, e-work, etc. The new user interfaces will be integrated with current and future applications, looking for innovative approaches that will broaden the presence in the market of e-services such as the mentioned before. Special attention will be paid to study the potential extension of these results to mobile devices with different capabilities and resources, from mobile phones to handheld PC's.

1.7.6 CNRS

The project provides an interesting scheme to experiment approaches and transfer technologies. More particularly, CNRS will capitalize the results in the form of: publications, forums, conferences and events.

1.7.7 MORGAN CONSEIL

One of Morgan Conseil's priorities is to study the convergence between the healthcare system and the new telecommunications capabilities. The MIDAS project would help us in two key areas, firstly in enhancing current initiatives with healthcare authorities or civil protection

agencies and improving existing partnerships. Secondly by forecasting new opportunities to help Citizens in general, the Elderly in particular, access new technologies and innovative applications in conformance with regional, national and international regulations. Issues studied in MIDAS offer the possibility to provide high level, up to date expertise on both legal and ethical aspects in this promising market. Morgan Conseil intends to increase its knowledge of legal, ethical and regulatory issues. Morgan'Conseil will also participate in the definition of a new market and gain expertise in business modelling as well as in usability requirements definition and in end-user acceptance, especially for this target market where accessibility to ICT is not natural, with the objective to further provide consultancy services to different players of the value chain (system vendor, institution…).

1.7.8 CEA LIST

CEA will use the experience gained in the project to improve conception of human robot interfaces in a general frame tending to move towards more and more intuitive human machine dialog. CEA will patents developments made in the project when appropriate and transfer into industry will be initiated and followed. CEA LIST will organise workshops and make publication in international conferences to confront expert's opinions and let the community know about the results obtained.

1.7.9 ROBOSOFT

Being a service robotic designer firstly, MIDAS project will allow us to improve our knowledge and skills in different technological of multimodal user interfaces for service robotics in industry (transport cleaning), in security and especially in personal and home robotic system. Man machine interface is a significant part of personal and home service robotic systems and innovative solutions must give a real benefit to our future product. Our cooperation with European research experts will allow putting future technology transfer in this area. Our cooperation with industrial partners will allow having a best knowledge of home and personal equipments market.
New concepts in positioning devices, navigation and wireless communication, explored in this project, have also potentially a significant interest for us. So, ROBOSOFT global benefits are to build and sell innovative products in global robotic system and software for robot.

1.7.10 CITIC

CITIC will, inside its framework of fostering the knowledge area, related to the development of services for vulnerable groups, minorities, disabled and health (Ambient Living), increase the solid education of which the area already disposes.

1.7.11 FTRD

France telecom Research and Development is one of the largest telecom operators in Europe and has already addressed on one hand the home market sector with the LiveBox and on the other hand the business market with machine-to-machine communications.

Services for elderly and disable people, developed in the project, is really a set of services that France telecom is willing to commercialise because of the growth of that market in its European Footprint.
A dedicated team at France Telecom R&D focuses on the development of innovative services in the E-Health, Wellness, accessibility and Social domains. Those innovations are completely integrated in the road map of the E-Health Line of Business of the France Telecom group, aiming at becoming in 2010 the European leader in a market estimated at 6 B€. Elderly and Dependant people constitute one of the major markets addressed by the France Telecom Group on its European Foot Print (France, UK, Poland and Spain). As a service provider, the France Telecom group intends to exploit the results of the MIDAS project by improving its knowledge in several technical and usage fields, evaluating several products through an open E-Health multi-service platform, and integrating technologies in its delivered services.

1.7.12 Kaletron

Kaletron will use the results of the project to improve and diversify its offers of simulation products and services in driving environment. Kaletron will exploit the results in the domains of defence, automotive and transportation corporations. The exploitation will concern also solution offers in a wide variety of simulation and training needs, ranging from unit training devices, part task trainers and tactical simulators to virtual maintenance trainers and turn-key visualization systems.

1.7.13 LI2G

LI2G, as an end-user, consider the project as an important opportunity to study and use new multimodal interface technologies for the management of fragile elderly in order to prevent medical consequences.

1.7.14 Geomobile

Geomobile provides a localization service for elderly and disable people who need to secure their moving using GSM and GPS technology.
MIDAS project will allow us to improve our skills in multimodal architecture and to extend our commercial offer by providing a multimodal localization system working in outdoor and indoor environment.
Our main interest is to work on new positioning devices with industrial partners to offer associated, coherent and innovative services to end-users.

1.7.15 TAS-F

Thales Alenia Space is integrating telemedicine solutions for more than ten years and has built its own related products and solutions offer. Thales Alenia Space is addressing the Export market to deliver turnkey solutions and networks to customers. MIDAS components and services provide added value to Thales telemedicine offer and open new markets' opportunities.

1.7.16 Siel Bleu

SIEL Bleu Association is involved in the research field as the provider of a new method that enhances healthcare and support of persons at home with the help of new technologies.

1.7.17 Intuilab

Being a recognized leader in Collaborative Surface Computing, IntuiLab intend to address the consumer market (following current expansion in the B2B market). MIDAS provides an extraordinary opportunity to address one of the fastest growing segments in the consumer market: the elderly. Even if full of various challenges, IntuiLab believes Collaborative Surface Computing can help elderly get a much better access to the upcoming services that are targeting this slice of the world population.

1.7.18 FICOTRIAD

FICOTRIAD, as an automotive industry supplier and as a command and control consolidated business unit belonging to FICOSA INTERNATIONAL S.A., our main goal is to increase and extend our research and development activities through ageing and handicapped people fields inside MIDAS project.
Currently, automotive OEMS interest is focused to develop and integrate new physiological gathering techniques inside cars, a fact coming from related problems of poor situation awareness of drivers when, for instance, using navigation devices in route or getting fatigued while driving. Thus, new certain problems are going to appear increasingly with integration of new fashionable human centred devices inside car that will achieve critical levels of drivers inattention.
FICOTRIAD research team is consequently considering MIDAS as a perfect context to investigate, develop and test new technological systems focused on gathering information from elderly and disabled people, to obtain physiological information, to compute it and to show related information to user in a friendly way.

2. Plan for using and disseminating knowledge

See attached Excel file: Dissemination-itea2-midas.xls

Upcoming events of potential interest in 2011:

- **ASSISTH** 17-19 january 2011 (Paris, France) http://www.irit.fr/ASSISTH2011/
- **ICAART** 28-30 january 2011 (Rome, Italy) http://www.icaart.org/
- **IMED** 4-7 february 2011 (Vienna, Austria) http://imed.isid.org/
- **CeBIT** 1-5 march 2011 (Hanover, Germany) http://www.cebit.de/home
- **VISAPP** 5-7 march 2011(Algave, Portugal) http://www.visapp.visigrapp.org/
- **SOFMER** 22-26 march 2011 (Aix les Bains, France) http://www.sofmer.com/
- **eHealth Week** 10-12 may 2011 (Bundapest, hungary) http://www.worldofhealthit.org/
- **IAGG** 14-17 april 2011 (Bologna, Italy) http://www.iaggbologna2011.com/
- **ICOST** 20-22 june 2011(Montreal, Quebec, Canada) http://www.icost2011.org/
- **ICORR** 29 june-1 july 2011 (Zurich, switzerland) http://www.rehabrobotics.org/
- **pHealth** 29 june-1 july 2011 (Lyon, France) http://www.insavalor.fr/phealth2011/index.php?page=welcome&location=p_contenu
- **IROS** 25-30 september 2011 (San Fransisco, California USA) http://www.iros2011.org/
- **ITEA & ARTEMIS Co-summit** 25-26 october 2011(Helsinki, Finland) http://www.itea2.org/news_and_events

Partners' implication:

- The CEA-LIST, with the help of Siel Bleu and Robosoft, submitted an article to ICORR; The CEA-LIST also plan to participate in IROS; another interesting conference is AAATE 31st August -2nd September 2011 (Maastricht, Netherlands) http://www.aaate2011.eu
- Orange Labs will participate in IPIN 2011: International Conference on Indoor Positioning and Indoor Navigation21-23 September 2011. http://ipin2011.dsi.uminho.pt/cfp.php
- LI2G will participate in the 15th International Congress Reinventing aging through Innovation Care 6-9 September 2011 (The Hague, Netherlands) http://www.ipa-online.org/ipaonlinev4/main/homepagearticles/15thcongress_cfa.html

It was suggested during the 10th Plenary Meeting to organize some sort of workshop around the Midas project, around September 22nd 2011 (final review).

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