
HERMES - Cognitive Care and Guidance for Active Aging
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Arjan Geven, Manfred Tscheligi (CURE)

Alex Conconi (TXT e-solutions)

HERMES

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Abstract

This dissemination report describes the activities that have taken place with regards to dissemination in the first year of the project towards (i) the scientific community, (ii) industry and (iii) general public. The first year has focused strongly on the scientific community as well as general dissemination through press releases, news paper articles and interviews that have been published in general media. This dissemination report also provides an outlook towards activities undertaken in 2009.

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1. Introduction

1.1 Scope of this Document

The purpose of this document is to outline the dissemination strategy and to report performed dissemination activities. The dissemination approach will support the definition of a well focused dissemination plan for year 2009 that directly reflects in actions and already performed activities during the current year (2008).

The dissemination report is updated every year, and provides an overview of the current status. The next dissemination report is also accompanied by an exploitation plan (D.9.4) which will highlight particular activities undertaken towards the industrial community and further uptake of the HERMES project results in further exploitation activities.

2. Dissemination Methodology

The first objective of dissemination is to make the scientific and industrial community aware of project developments and results presenting the project in terms of technologies and socio-sanitary benefits.

The second objective is to present and promote the HERMES platform to potential stakeholders and to network with third parties that can add value to HERMES services and support HERMES final users.

2.1 Dissemination and Exploitation Approach

The approach is to link the market analysis with dissemination actions, in order to keep dissemination focuses and pave the road for exploitation, as well as get a feedback on the project that can help to tune activities.

Interactions will be among:

- Market analysis and Exploitation Plan (requirements, potential customers, potential competitors)
- HERMES platform functionalities (build something usable from potential customers, in other words: describe benefits)
- Dissemination actions (self explaining)
- Selling strategies (exploitation plan)
- Customer support (exploitation plan)

According to the yet-to-be-prepared market analysis and the exploitation plan we foresee that the dissemination strategy will involve:

- End users
- IT companies
- Socio-Sanitary and Psycho-Social partners

The approach is based on an iterative analysis of:

- IT companies in the different areas of technological domains which could distribute the services achieved by the finalised HERMES prototype
- End users (focusing on elderly and people with memory impairments), identified with the support of INGEMA to check real needs, level of acceptance and target distribution.
- Competitors of the technological solutions, to better position the platform on the market.
- Universities and research Centres to support the monitoring of the market and the steps achieved in the research activities.

2.2 Target Users

End-users of HERMES will be older people suffering from (self-indicated) age-related decline of cognitive capabilities, i.e. people who have identified a need for themselves for using some means of additional safety mechanism and support. As cognitive decline is initially observed, in the majority of population, between the 50 and 60 years old age range, this is the initial stage in which the HERMES system becomes of interest to the general public.

2.3 Channels of Dissemination

After the identification of the potential business stakeholders, the next step is to reach all of them to disseminate the project results.

Dissemination actions are foreseen to be targeted to:

- Direct contacts by means of:
 - The research community
 - Industries and governments
 - The general public (meetings/seminars with groups of users)
- Indirect contact (“rain approach”) by means of:
 - Publications/Articles on specialized magazines
 - Advertising on magazines, internet sites, newsletters, ...
 - Leaflet, posters, DVD, etc. (dissemination package)

2.4 Potential Business Stakeholders

Concerning HERMES potential business partners, the Consortium identified a list of categories that could give a precious contribution to improve the platform during and after the project period as well as receive benefits coming from the adoption of HERMES and the achieved research results.

The following is a preliminary list of stakeholders, built basically considering the main modules/tasks and the related actors composing the HERMES platform, and thus prone to evolve during the various revisions that will naturally occur along a research project and, more in general, during the implementation of every software/hardware platform.

2.4.1 Hardware-Related Profiles

Infrastructure Providers and Infrastructure Installers: Infrastructure providers and installers are responsible for providing, installing and configuring the hardware elements supporting the HERMES ageing services. These elements include the full range of sensors, devices, actuators, computing and network equipment required to support sensing,

networking and basic services in the smart room. This figures will be very important due to the fact that, to implement the platform at the user side, and then to make it useful, a crucial phase is represented by the proper setup of all the devices involved, meaning to correct positioning of sensors, actuators and the successful testing of all the hardware devices, including servers and mobile personal assistants.

Perceptual Technology Providers: Perceptual technology providers are ICT companies and ISVs that develop, install and configure perceptual components. The latter process sensorial input based on the range of sensors available in the HERMES environments. HERMES already has plans to harness a set of sensors to demonstrate its main capabilities; however, the architecture of the system will be designed in order to allow future extensions both in terms of software and hardware. Because of this, a perceptual technology provider could increase the set of sensors with new ones, if useful to improve the overall platform for the already planned capabilities as well as for new features that may be added.

2.4.2 Software-Related Profiles

HERMES Context Modellers and Context Model Developers: Context model developers build higher level contextual models that rely on recognition of situations (e.g., a peer-to-group human interaction). Situation recognition is likely to be based on a combination of a variety of perceptual interfaces. Situation models define the context triggers (i.e. contextual states) that drive the service logic of the application. Perceptive interfaces, actuating services and other service-related actions are accordingly combined to compose the service logic that is executed on each context state.

HERMES Service Providers / Service Developers: Service providers and service developers deploy and develop (respectively) ageing computing services leveraging situation models, perceptual components, hardware elements, as well as other actuating services. Service developers and/or providers are likely to deploy their services over HERMES infrastructures (e.g., devices, smart homes). This can be done within individual devices, as well as with home/service gateways via the OSGI (Open Services Gateway Interface) standard.

2.4.3 Socio-Sanitary and Psycho-Social Profiles with Technical Skills

Data/Knowledge Collectors. To correctly achieve a good degree of reliability in terms of audio, video and semantic algorithms achievements, it's requested to continuously increase the data base of knowledge that represents the ground-basis for the "smart modules" aimed at speech recognition, object/face recognition, automatic metadata collection, etc. Of course, all this structured knowledge, heavily influence the provided results. Data collectors responsibility is to properly collect information (i.e.: audio and vide streams, through interviews) that are going to feed the engines running behind HERMES.

Cognitive Games Designers/Developers. One of the more challenging features of HERMES is to provide the end-users with games that will help cognitive impairments, reduce or to delay the normal cognitive decline that takes place in the elderly through actively stimulating of memory. After the selection of the most appropriate training exercises for the enhancement of memory and other main cognitive functions, the general rehabilitation objectives will be translated into concrete exercises, with different levels of difficulty, different ways to be played, etc. This means to design and develop such games exploiting the structured data coming from the HERMES platform in order to achieve the goal. This figure should be an expert in the cognitive impairment field, with experience in elderly care and possibly with technical skills, too.

3. Dissemination Plan

3.1 Highlights

The HERMES project addresses two main issues:

1. Adoption of advanced technologies aimed at seamlessly support elderly people with memory decline problems in real life.
2. Increase knowledge, awareness and participation in ageing and cognitive care R&D initiatives by EU.

To reflect both issues, dissemination activities will target to:

- Research Community: dissemination of scientific results achieved in HERMES, mainly handled by Universities and Research Institutes through publications at conferences and workshops.
- Developers/Technical Community: IT partners who support industrial oriented external dissemination towards technical events, targeted seminars, workshops and conferences.
- End-Users. User groups and health organizations attending public workshops and advertising project results.

3.2 Events categories

	Event	Characteristics	Target group
1	Participation in international and national IT conferences.	Participation in scientific conferences on multimedia and knowledge extraction topics. Conferences can be international or national. Universities and Research Institutes take part in this activity. Reports are made in conferences and papers are published in conference proceedings.	Scientists, researchers, high quality designers and developers, representatives of well known IT companies.
2	Participation in international and national AAL-related conferences.	Participation in health-related conferences on ageing and memory decline and cognitive care topics. Conferences can be international or national. Reports are made in conferences and papers are published in conference proceedings.	Caregivers, experts in psychosocial topics, ageing, memory impairments, human interactions.

3	Submission of articles to scientific journals	Submission articles to scientific journals. The articles in international journals and magazines should be related to HERMES topics especially to multimedia and knowledge extraction. Universities and Research Institutes take part in this activity.	Scientists, researchers
4	Submission of articles to specific journals related to AAL thematic	Submission articles to health journals. The articles in international journals and magazines should be related to HERMES topics especially to elderly, cognitive care and memory decline.	Elderly, people with memory decline problems, caregivers, experts in psychosocial topics, ageing, memory impairments, human interactions.
5	International scientific workshops	International scientific workshops on multimedia and knowledge extraction.	Scientists, researchers, high quality designers and developers, representatives of well known IT companies
6	User-oriented dissemination workshops	User oriented workshops for bringing project ideas and results to users: workshops centered on the selected application domains in the countries where the test-beds are deployed.	Elderly, people with memory decline problems, caregivers, experts in psychosocial topics, ageing, memory impairments, human interactions.
7	Electronic advertising of project results through Internet	Electronic advertising of project results through Internet: distribution of Newsletter and other information through the Web; creation of a project's WWW server open to users and public; electronic mailing of information and announcements, etc.	Elderly, people with memory decline problems, HERMES business stakeholders
8	Presentation ideas and results in the mass media	Presentation ideas and results through public newsletters, magazines as well as radio and TV.	Elderly, people with memory decline problems, HERMES business stakeholders (including IT companies)
9	Presentation of results at the exhibitions and fairs	Presentation results at the national and international exhibitions, fairs and other expositions.	Elderly, people with memory decline problems, HERMES business stakeholders
10	Bringing project results to Expert Groups and other organizations	Bringing project results to Expert Groups and other organizations.	Caregivers, experts in psychosocial topics, ageing, memory impairments, human interactions.

11	Presentation of ideas and results via immediate and distance studies	Presentation of ideas, theoretical issues and results by lectures for students.	Academic community (students and professors).
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Table 1 –Events categories

4. Dissemination activities report

4.1 Overview of Year 1

The dissemination activities in the first year of the project have been mainly focused on the scientific dissemination of the initial project results as well as the creation of awareness of the project at the general public.

Publications

For the first, scientific dissemination, all project participants have published project results on scientific workshops, conferences, and journals. These publications target the technological developments with regards to audio and video capture and processing (mainly WP4 and WP5 in the project) as well as the insights with respect to target users gathered from the user requirements analysis (WP2). The list of currently published articles can be found in section 4.2. A number of submitted papers can be found in section 4.3.

EU and Clustering

In a similar vein, a number of events have been attended that focused on clustering and harmonization activities within the EU. These activities can be grouped in three categories:

- (i) Clustering within the domain of ambient assisted living within the EU, through participation in the support activities of the ICT&Ageing and SENIOR projects.
- (ii) The organization of own initiatives, including a workshop on methods to analyse user requirements for AAL in conjunction with the Ambient Intelligence 2008 conference (Nürnberg) and a networking session on the user needs for AAL at the ICT 2008 Conference (Lyon).
- (iii) Specific collaboration with the VM – Vital Mind project, which is coordinated by CogniFit (IL).and aims on developing cognitive training games. A number of telcos have been held between INGEMA+CURE from the HERMES project and CogniFit+University of Dundee on analysis of user requirements. CogniFit and IBM have exchanged information about technical underpinnings.

These activities are used to increase awareness for the HERMES project as well as focus on the more general aim of increasing visibility of the topic ambient assisted living within the scientific community.

4.2 Published scientific papers

The following scientific publications have been delivered in the first year of the project:

- [1] J. Jiang, A. Geven, and S. Zhang. HERMES: A FP7 Funded Project towards Computer-Aided Memory Management Via Intelligent Computations. Lecture Notes in Computer Science: Springer pp249-253, ISSN: 1615-3871, 2008.

- [2] Vasileios Mylonakis, John Soldatos, Aristodemos Pnevmatikakis, Lazaros Polymenakos, Alex Sorin, Hagai Aronowitz. Using Robust Audio and Video Processing Technologies to Alleviate the Elderly Cognitive Decline, in the Proc. of the 1st International Conference on Pervasive Technologies Related to Assistive Environments, Athens, Greece, July 2008.
- [3] Subasi, Ö., Leitner, M., Geven, A., Dittenberger, S., Tscheligi, M., Buiza, C. (2008) User Requirements Analysis for Ambient Assistive Living (AAL): Affective Improvement of Methods for Technology Acceptance Evaluation, Evaluating new interactions in healthcare in conjunction with CHI'09, Boston, April 4-9, 2009
- [4] A. Anagnostopoulos and A. Pnevmatikakis. A realtime mixed reality system for seamless interaction between real and virtual objects. In Proceedings of the Digital Interactive Media in Arts and Entertainment (DIMEA 2008). Athens, Greece, Sept. 2008
- [5] V. Mylonakis, J. Soldatos, A. Pnevmatikakis, L. Polymenakos, A. Sorin and H. Aronowitz. "Using robust audio and video processing technologies to alleviate the elderly cognitive decline", in Proc. of PETRA 2008, July 2008, Athens, Greece.
- [6] A. Geven, M. Tscheligi, A. Sorin, H. Aronowitz. Presenting a speech-based mobile reminder system. In Proceedings of SIMPE 2008. September 2008, Amsterdam, Netherlands.
- [7] H.Aronowitz, Y.Solewicz. Speaker Recognition in Two-Wire Test Sessions. In Proceedings of INTERSPEECH 2008, pp. 865-868. Brisbane, Australia.
- [8] N. Katsarakis, A. Stergiou, A. Pnevmatikakis and L. Polymenakos, 'Detecting Single-Actor Events in Video Streams for TRECVID 2008', TRECVID 2008 workshop, Washington, Maryland, USA, Nov. 2008
- [9] Buiza, C., Gonzalez, MF., Etxaniz, A., Urdaneta, E., Yanguas, J., Geven, A., Höller, N., Tscheligi, M. (2008). Technology Support for Cognitive Decline and Independent Living - Presenting the HERMES project, Gerontological Society of America Conference.
- [10] Geven, A., Subasi, Ö., Leitner, M., Dittenberger, S., Tscheligi, M. (2008) Optimizing Qualitative User Needs Assessment through Affective Analysis, at Workshop "Capturing Ambient Assisted Living Needs in conjunction with AmI'08, Nuremberg, November 19-22th 2008.

4.3 Submitted scientific publications

In addition to the published papers, the following papers have been submitted to journals and conferences related to the HERMES project:

- [1] A. Pnevmatikakis and L. Polymenakos, 'Subclass Linear Discriminant Analysis for Video-Based Face Recognition', submitted to Pattern Analysis and Applications.
- [2] P. Papageorgiou, N. Katsarakis, A. Pnevmatikakis and N. Mitrou, "A synergistic detection- and track-level system for monitoring people in smart spaces", submitted to Machine Vision and Applications
- [3] F. Talantzis and A.G. Constantinides, "A Multi-Microphone Voice Activity Detection System Based on Mutual Information", submitted for publication to the Journal of Acoustical Engineering Society (AES).
- [4] C. Doukas, J. Soldatos, T. Petsatodis, V. Mylonakis, "Pervasive Computing Platform for Integrated Memory Aid and Cognitive Training for Ageing Well", submitted for Publication to the Journal of Pervasive and Mobile Computing (Elsevier)

[5] Thodoris Petsatodis, Aristodemos Pnevmatikakis and Christos Boukis, "Voice Activity Detection using Audio-Visual Information", submitted to the ICASSP 2009.

4.4 Attended events

Event	When and Where	Who	Description
19th IAGG World Congress of Gerontology and Geriatrics	January 2009 Paris	INGEMA	Every four years, the World Congress of Gerontology and Geriatrics represents a unique and irreplaceable event attended by experts from around the world to discuss the latest findings in the field of ageing. The 19th congress is particularly important, because lifespan extension and the growing number of elderly people, is increasing.
TRECKVID 2008	March to August 2008	Bradford University	TRECKVID'08 is an annual worldwide competition event on video processing Sponsored by NIST (National Institute of Standards and Technology) in the US. Major activities at University of Bradford focus on video summarization to process camera captured raw videos into a smaller amount of video clips without losing their core content.
SOPRANO project meeting about Service Oriented PRogrammable smArt enviroNments for Older Europeans.	San Sebastián, June 2008	INGEMA	In a SOPRANO meeting hold in San Sebastian (Consortium Agreement: 045212) an exhaustive presentation about HERMES project was done to the whole consortium.
INTERSPEECH 2008	22-26 September 2008 Brisbane	IBM	This work aims at one of the most important issues of HERMES project in the speech processing area and is highly relevant to many other applications of smart home technologies. A lecture was given on the advances in speaker recognition technology in a setup that is especially relevant to HERMES
Global Forum 2008	20-21 October 2008	AIT	Recent results of the HERMES project were presented in the scope of Global Forum 2008. Global Forum is an Annual High-Profile International & Independent Event dedicated to Business, Policy and Civil society issues affecting the successful evolution of the Information Society.

Event	When and Where	Who	Description
Athens Digital Week	16-19 October 2008	AIT	<p>AIT demonstrated recent technology developments of the HERMES project in the scope of the Athens Digital Week (http://www.athensdigitalweek.gr), a technology festival which was attended by more than 40,000 citizens.</p> <p>The demonstrations focused on:</p> <p>(a) HERMES Multi-touch surface, which was demonstrated to the public as a novel perceptive interface enabling end-users to execute commands based on multiple simultaneous touches of the surface. The importance of this technology for elderly and disabled users was illustrated through practical examples.</p> <p>(b) The HERMES real-time context-acquisition components including real-time FaceID, face detection and speaker localization. These systems were demonstrated as Real-time far-field systems enabling detection and identification of people and speakers with very high accuracy.</p> <p>(c) A Mixed Reality System enabling end-users to interact with virtual objects within the physical space. Two flavours of this system were demonstrated: first users interacting with virtual objects on a physical table, and second users to dragging a virtual map (the result was displayed in the screen). The Mixed reality systems were built based on HERMES hand and finger tracking technologies, which are developed in WP4 of the project.</p>
Symposium „eHealth in OÖ im Vergleich zu Europa“	5th of June 2008, Linz, Austria.	CURE	A poster presentation of the HERMES project titled: HERMES - A home-based and mobile device to support the user's cognitive state and prevent cognitive decline based on intelligent audio and visual processing and reasoning.
Workshop on Speech in Mobile and Pervasive Environments	2th of September 2008	CURE	Workshop on the use of speech technology (input + output) in mobile environments. For HERMES, main discussion focused on the quality of the recorded signal and the resulting necessity of errors in the transcription which result in interface challenges.
Information day for the Ambient Assisted Living Joint Program (AAL Auftaktveranstaltung)	24th of April, 2008	CURE	A presentation titled “HERMES – Cognitive Care and Active Guidance” (Manfred Tscheligi) was presented to the audience of the Austrian AAL-JP information day. The presentation was aimed at presenting general information about the project, its goals, and its current status with respect to user requirements engineering that had been done up to the date of the presentation (M4 of the project)
Acceptec Workshop “Technologie und Akzeptanz”	30th of September 2008	CURE	A presentation titled “User Experience & Acceptance” (Michael Leitner) was given as a discussion basis for technology acceptance for older people in relation to the HERMES project and initial results from the user requirements analysis in the project.
ICT & Ageing Workshop	9th of September 2008	CURE	Clustering workshop for projects in FP6 and FP7 that deal with the population of older people. Discussed ways to cluster the efforts in specific areas of the project.

Event	When and Where	Who	Description
Workshop "Capturing Ambient Assisted Living Needs"	19th of November, 2008, at AMI'08	CURE + INGEMA	This workshop aims at innovative methods to analyse and evaluate users' needs and requirements with regards to smart assistive home environments. Users typically do not have a full picture of what smart home technology can offer them or what the implications are with respect to privacy or autonomy and might participate ill-informed in evaluation - making further realistic evaluation and predictions on acceptance difficult. This workshop address such issues as: how can we capture user needs with this knowledge in mind? Which evaluation methods can use to evaluate early prototypes of intelligent but error-prone technology, where not all functionality is integrated (yet) or can only be used with certain limitations?
Networking session at the ICT 2008 Event in Lyon	26th of November, 2008	CURE, AIT, All	A networking session initiative "Effectuating User Needs in ICT-Development to Support Aging and Independent Living"

4.5 Other activities

Event	When and Where	Who	Description
Advertise about the project in press	Spanish Press, 2008	INGEMA	In a special issue of a local newspaper INGEMA presented some of its current projects, among them HERMES project.
Interview in "Tanea"	01 August 2008	AIT	AIT was interviewed by a journalist for an article on ambient intelligence where among other things HERMES's vision was stated. This article appeared in Tanea, Greece's most popular newspaper.
"Digital" Radio show		AIT	HERMES was featured in "Digital", a radio show aired on Flash 96, a very popular news-station in Athens.
Advertise about the project in press	PTE Presstext, 30.09.2008	CURE	Press release „HERMES - Technologie im Kampf gegen das Vergessen, EU-gefördertes Ambient Assisted Living Projekt unter der Leitung von CURE“
Interview in "Milano Finanza"	November 2008	TXT	Italian Weekly Magazine about Finance Approx 200.000 paper copies sold + online subscription Dedicated section on IT business. Very good opportunity to reach B2B market.
Advertise about the project in press	November 2008	TXT	Press release to appear in „Assistenza Anziani“, Italian magazine dedicated to elderly care in healthcare facilities and at home Addressed to target groups of professionals working in the elderly care (B2B). 8 issues/year and 15.000 copies/issue.

5. Planned activities

Planned activities are categorized by the same event categories that have been highlighted in chapter 3 (Dissemination Plan). The events planned for 2009 are described in the table below.

5.1 Scientific Dissemination

Event	When and Where	Who	Description
19th IAGG World Congress of Gerontology and Geriatrics	Paris January 2009	INGEMA	<p>Every four years, the World Congress of Gerontology and Geriatrics represents a unique and irreplaceable event attended by experts from around the world to discuss the latest findings in the field of ageing. The 19th congress is particularly important, because lifespan extension and the growing number of elderly people, is increasing.</p> <p>The technology and the ethical issues will be dealt in this congress. It would be interested to analyze HERMES project under the latest discovers in these field exposed in this congress.</p>
International Neuropsychological Society 37th Annual Meeting: Lifespan Neuropsychology: Transdisciplinary Issues and New Horizons	11-14 February 2009 Atlanta-USA	INGEMA	<p>In this congress the most important recent discovers in elderly people's cognition are presented.</p> <p>INGEMA sent an abstract that has been accepted and it will be presented as a poster. This poster will show the results found in the memory assessment carried out into WP2.</p>
DRT4ALL	Barcelona, April 2009	INGEMA	<p>Its main goal is to know about latest advances in ICT supporting independent living of people with functional limitations, and to show how these can work together to give everybody an easier life and improve social integration for the elderly and people with disabilities.</p> <p>This congress is relevant to HERMES because the topics are related with it.</p>
Persuasive 2009	April 2009, Claremont, California.	CURE	<p>The leading international conference on the design and evaluation of persuasive, i.e. how to motivate people to change behavior. CURE is preparing a paper to be submitted to the conference.</p>
CHI 2009	April 2009. Boston, USA	CURE	<p>The main international conference on human-computer interaction, with special sessions on interaction design for older people. This conference is highly relevant for the design of the user interfaces for HERMES.</p>
MedeTel 2009	Luxembourg, 1-3 April 2009	TXT	<p>Med-e-Tel focuses on ehealth and telemedicine applications and a wide range of other medical ICT applications and on the convergence of information and communication technology with medical applications, which lead to higher quality of care, cost reductions, workflow efficiency, and widespread availability of healthcare services.</p>
International Conference on Acoustics, Speech, and Signal Processing (ICASSP)	Taipei, April 2009	AIT	<p>The ICASSP Conference focuses on acoustics and speech processing, required for e.g. voice activity detection and audio processing for the HERMES system. AIT has submitted the paper, "Voice Activity Detection using Audio-Visual Information" to be presented on this conference.</p>
InterSpeech 2009	Sept 2009. Brighton, UK	IBM	<p>A major international conference on speech processing technology and its applications – highly relevant to HERMES</p>
AAATE, 2009 Conference	September, 2009, Italy	INGEMA	<p>Though this is a more technological conference, the social point of view is taken into account. So, the feedback form both sides, technological and social, may suppose a valuable input for the project.</p>

Table 2: Planned Scientific Dissemination Events for 2009

5.2 Awareness of AAL and Clustering

Clustering activities have been planned for 2009. Since the ICT 2008 Networking Session and the workshop on capturing user needs for AAL were a great success, we will continue this kind of events in 2009.

Particularly, the following events are planned for 2009 that are organized by members of the consortium to increase awareness for the topic and to present a venue for researchers in Europe to share their results.

In addition, the SENIOR and ICT&Ageing projects will continue their clustering activities through 2009, and the HERMES project will participate in these activities as much as possible when deemed useful for the harmonization of HERMES efforts and results with other European AAL projects.

Event	When and Where	Who	Description
Cluster Workshop HERMES + VM	Haifa, Israel, March 2009	Consortium	The HERMES and VM (VitalMind) projects both aim to develop cognitive training games for the older population. A collaborative workshop between the two projects aims to integrate results from each other in the ongoing developments.
2009 AIT Summer School	Athens, Greece, AIT premises, July 2009	AIT	This international Summer School will be organized by AIT during the first week of July, and it will attract students from multiple countries. A one-day workshop within the Summer School will be devoted to presenting HERMES results on perceptual processing, the multi-touch surface, as well as the development of cognitive training games.
Data Mining in Bio-medicine	Paiania, Greece, May 2009	AIT	AIT organizes the Data Mining in Bio-medicine conference. The conference focuses on data analysis for large amounts of data, i.e. with respect to data mining techniques to be applied on data collected by HERMES system.

5.3 Public Dissemination

Public dissemination in 2009 will continue the line that has been set in 2008 with frequent media awareness in the national press about the project, its goals and its intermediate results.

The second milestone of the project, the successful completion of the first prototype, will also provide us with hands-on material that can be more easily disseminated to the public, as it gives potential users a chance to see and touch how HERMES technology can support the user in everyday life.

This milestone will also be the start of the user trial which give us feedback from a larger audience about the project, and also provides user feedback that can be used to enhance the public dissemination towards the end of 2009.