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Abstract

The “Dissemination activities report” aims at describing the activities that the DOREMI consortium has implemented to communicate the results of the project to relevant stakeholders and the wider society in the last 18 months of the project.

The document contains a discussion of possible synergies that are already planned or that we plan to establish between DOREMI and other EU-projects/actions currently active in Europe.

In addition, a list of publications and newsletters are also presented.

Keywords

Dissemination activity plan; communication strategy and related activities; dissemination initiatives at individual level and for the consortium as a whole.

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1. Abbreviations

AAL: Ambient Assisted Living

DoW: Description of Work

EIP AHA: European Innovation Partnership for Active Healthy Ageing

EU: European Union

MS: Milestone

2. Executive Summary

The dissemination activity is regarded as a key factor for the success of the DOREMI project due to both its foundational level (of specific interest for academic partners) and its clear societal exploitation opportunities of promoting good and healthy behaviors, whose ultimate objectives are:

- To stress the advantages in the preventive care for aged persons, its benefits, use and applicability in the different health market sectors.
- Finding potential sponsors and partners for the enforcement of the DOREMI concept (hospitals, telecare operators, manufacturers, health insurance companies, etc.).
- Co-creating two-way communication channels with relevant stakeholders, research communities, policy makers, media and industry for disseminating the achievements and results.
- Ensuring that the project results will live in a commercial context after the project closure (thus assisting the Exploitation of the project results).

In this deliverable the dissemination activities of DOREMI consortium as whole and of each single partner of the last 18 months of the project is presented.

3. Introduction

As already observed in previous dissemination reports, one of the most important elements for the success of the DOREMI initiative is the awareness creation of the ongoing achievements within the enlarged community of stakeholders that is involved in the care management process of the aged population.

Achieving consensus on the project results across the scientific community is a fundamental step of our research activity. However, without acceptance of the project outputs by the health care organizations in charge of the care management process of the aged persons, as well as the rising interest of the various actors involved in the care activities, we could encounter difficulties to stimulate the health market towards DOREMI products and services and risk hindering a significant adoption of the proposed solution once availability for the market is established.

To this end, Chapter 4 describes the use of the on-line dissemination channels and tools (Twitter, Facebook, website) of DOREMI consortium while Chapter 5 shows the individual dissemination plan of each project partner.

Chapter 6 describes the synergies of the DOREMI project with other relevant initiatives during these last 18 months; Chapter 7 describes the DOREMI newsletter plan of 2015-2016.

Finally, Chapter 8 provides a description of the video developed during this last period to show to a general audience the results of DOREEMI project.

4. Action plan for increasing the effectiveness of DOREMI dissemination channels and their use.

AGE, UOC and CNR-IFC exploited the social media, especially Facebook and Twitter, to inform the on-line community interested in DOREMI, according to the calendar set up in D7.8.

4.1 Twitter

All three-core dissemination partners were responsible for monitoring and participating in the online discussions relevant to the main themes covered by the project and its pilots. The aim was to post one tweet per weekday and tweet directly at stakeholders when it is relevant. AGE was responsible for three tweets per week and CNR IFC-ISTI and UOC were responsible for posting one tweet per week according to the following scheme: Monday – AGE; Tuesday – CNR (IFC and ISTI); Wednesday –AGE; Thursday – UOC; Friday – AGE.

4.2 Facebook

The aim was to publish a minimum of one post every two weeks, preferably supported by a picture. AGE was responsible for posting updates, fed by inputs from all partners. The information on Facebook was not necessarily related to specific project results, but also comprised relevant information and results of other initiatives related to the project scope and expected results of DOREMI, such as the EIP-AHA events and news.

4.3 Website

The update of the website has been directly managed by CNR-IFC. A new section devoted to the DOREMI products was introduced to present the sensors and applications to a wide audience, with the help of pictures. The news section has been constantly updated, thanks to the blog-like structure, throughout the project; the news themselves are listed in chronological order, so to ease the navigation. Below it is presented a resume of the list of news presented on website.

Table 1. Content for website/blog

Period	Topic
July 2015	Newsletter #3
February 2016	UK trial start
March 2016	DOREMI on UK radio
April 2016	NU-AGE Conference, UK trial end, Newsletter #4
May 2016	IT trial start
June 2016	PERSSILAA Joint activities, Newsletter #5
July 2016	DOREMI video, IT trial end
September 2016	Newsletter #6
October 2016	DOREMI conference and speakers' presentations, DOREMI final review, Newsletter #7

4.4 Other support tools

With respect to other dissemination tools, AGE provided a flyer at the beginning of the project in order to start spreading the DOREMI visual identity and make the audience accustomed to its contents.

In the last year of activity of the project, AGE worked on a video, in collaborations with CNR-IFC, made with free available software, displaying the products of DOREMI and some basic information around them and their application in practice; the video is explained in a plain language, suitable to be understood from a wider audience, included older people themselves.

Throughout the whole project, AGE was responsible of issuing newsletters, in close collaborations with CNR-IFC and CNR-ISTI, which have been released regularly; they brought forward relevant updates on the development of products and the performance of the pilot sites. The very last issue of the newsletter was devoted to the final conference and its outcomes.

Workshops and conferences have also been attended to present and disseminate DOREMI. For the details on the events attended and the task performed, please see dedicated tables. CNR (IFC and ISTI) planned and organized the Final Conference in Brussels on 25th October 2016. AGE has been particularly active in the organization of this event.

DOREMI deliverables (those placed in the *public* dissemination level) have been uploaded on the website in order to disseminate the project and to allow stakeholders to access them. In addition, some tweets were produced in the project account to share these documents and to reach a wider audience. This allows opening debate with stakeholders, who can get acquainted with the project outcomes and who can use social media to share their views on the project, on the potential benefits of DOREMI and on ICT and ageing in general.

5. Individual dissemination activities

5.1 CRN-IFC

Conferences, exhibitions, workshops, seminars

Partner	Activities	
CNR-IFC	Event title	European Summit on Innovation for Active and Healthy Ageing
	Website	http://ec.europa.eu/research/innovation-union/index_en.cfm?section=active-healthy-ageing&pg=2015-summit-agenda#Day_1
	Date (start-end)	9-10 March 2015

	Location	Brussels
	Objective	Presentation of innovation (products and services) in the field of AHA.
	Target audience	Policy makers, researchers and users
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Display of the DOREMI flyer
	Participating partners	CNR-IFC, AGE
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	Useful to for networking with similar or competing realities and consortia.
	Publishable summary for DOREMI website	n.a.
	Useful for exploitation (Yes/No)	Yes

Partner	Activities	
	Event title	MEDITERRANEAN DIET (MedDiet) TO COMBAT AGING IN EUROPEAN COUNTRIES - The EC-Funded Project NU-AGE Final Conference
	Website	http://www.nu-age.eu/final_conf
	Date (start-end)	5 th April 2016
	Location	Brussels (Belgium)
	Objective	Describe the interaction between DOREMI and NU-AGE projects on nutritional and physical activity aspects
	Target audience	Clinicians, Nutritionists, Biologists, Researchers
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Oral presentation by title "DOREMI project: Walking through NU-AGE diet, crossing smart devices with

	release, etc.)	European research”
	Participating partners	CNR-IFC
	Report (event description, disseminating actions, presenters’ perception of impact on participants, comments, feedback, etc.)	The NU-AGE Final Conference offers an opportunity to better understand the nutritional needs for an improved quality of life in the over 65 years-EU population. In particular, the conference will give information on the main cellular and molecular pathways that can modulate the body response to nutrition and present new functional food prototypes and elderly-tailored foods, developed within NU-AGE, that will increase the competitiveness of the EU food industry.
	Publishable summary for DOREMI website	DOREMI was presented at the NU-AGE Final Conference, on April 5 in Brussels. The event offered an opportunity to better understand the nutritional needs for an improved quality of life in the over 65 years-EU population. The conference informed on the main cellular and molecular pathways that can modulate the body response to nutrition and present new functional food prototypes and elderly-tailored foods, developed within NU-AGE. The project coordinator, Prof. Oberdan Parodi, introduced DOREMI, its environment, its solutions, and preliminary results on a more personalized approach against malnutrition, sedentariness and cognitive decline.
	Useful for exploitation (Yes/No)	Yes

Partner	Activities	
	Event title	EUGMS - 12th Congress of European Union Geriatric Medicine Society
	Website	http://www.eugms.org/2016
	Date (start-end)	05-07/10/2016
	Location	Lisbon (Portugal)

	Objective	To present preliminary results of DOREMI trial
	Target audience	Clinicians, Researchers
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Poster presentation of work entitled "HEALTHY ACTIVE AGEING SUPPORTED BY TECHNOLOGICAL ENVIRONMENT: THE DOREMI EXPERIENCE"
	Participating partners	CNR-IFC, CNR-ISTI, UNIPI
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	The congress theme "Discovering new ways in the World of Geriatrics" has the goal to associate the pioneering spirit and the adventure of the Discoveries to the future paths of Geriatrics in the search for new knowledge that will enable to improve the older patients care.
	Publishable summary for DOREMI website	European population aging requires the design of innovative solutions able to support, in term of quality and time, its health status. DOREMI project has developed an innovative platform able to stimulate and monitor elder people as also to be customized on user requirements.
	Useful for exploitation (Yes/No)	Yes

Partner	Activities	
	Event title	EUGMS - 12th Congress of European Union Geriatric Medicine Society
	Website	http://www.eugms.org/2016
	Date (start-end)	05-07/10/2016
	Location	Lisbon (Portugal)
	Objective	To present preliminary results of test with DOREMI balance board for balance assessment
	Target audience	Clinicians, Researchers

	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Poster presentation of work entitled "ICT SOLUTION FOR BALANCE ASSESSMENT IN ELDERLY: THE DOREMI SYSTEM VALIDATION AND APPLICABILITY"
	Participating partners	CNR-IFC, CNR-ISTI, UNIPI
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	The congress theme "Discovering new ways in the World of Geriatrics" has the goal to associate the pioneering spirit and the adventure of the Discoveries to the future paths of Geriatrics in the search for new knowledge that will enable to improve the older patients care.
	Publishable summary for DOREMI website	Aging process is characterized by decline of body functions: one of the major risks is represented by falls. Several screening tools/tests have been used to assess stability. We describe the integration between single-item Berg scale, Wii Balance Board and neural networks to create a new platform for balance assessment.
	Useful for exploitation (Yes/No)	Yes

Partner	Activities	
CNR-IFC	Event title	DOREMI final conference
	Website	https://ec.europa.eu/digital-single-market/en/news/doremi-project-final-conference https://www.cnr.it/it/evento/14728/the-doremi-final-conference and many more, including AGE website
	Date (start-end)	25 October 2016
	Location	Brussels (Belgium)
	Objective	Meeting up with potential stakeholders to present the DOREMI project and discuss about its products
	Target audience	Researchers, developers and business representatives, policy makers and older people as final users and their

		organisations
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Presentation of the project, discussion about its products with potential final users
	Participating partners	DOREMI Consortium partners
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	Potential users have provided useful feedbacks in order to improve products. Links with similar initiatives, such as NU-AGE and PERSSILAA have also been highlighted.
	Publishable summary for DOREMI website	<p>After 3 years of activities, DOREMI products have started to orchestrate active ageing and two trials have been completed. It is now time to share with stakeholders and the general audience what the project has achieved and what its legacy will be.</p> <p>The DOREMI Final Conference will highlight the approach implemented to support older people's independent living in the field of nutrition, physical and cognitive activity: it will provide an overview of the DOREMI environment and its tools, the feedback of a 85-year old tester from the UK pilot site, health professionals and private companies on the exploitation and commercialization of the DOREMI solutions.</p> <p>The participants played cognitive games, exercising, monitoring their diet and forming great social circles. The DOREMI solutions have been excellent for the residents in UK as it formed friendships in a group of residents who otherwise might not have got the chance, while encouraging a healthy lifestyle and active mind. The cognitive games have been very well received by the participants, with many of them playing as often as they can and growing attached the dog avatar! While some of the residents were quite skeptical of the tablet and the apps at first, with some training, they soon became proficient and were using it not just for the project, but also for their own enjoyment. The system, however,</p>

		<p>needs to face the reduced Ict alphabetization of older people, which is rather prevalent among Mediterranean countries.</p> <p>It is important to point out that in the B2B market clients are mostly regional healthcare services and hospitals or private hospitals, who rely on cost-effectiveness paradigms and are</p> <p>often reluctant and slow in introducing changes. On the other hand, in a B2C model where the final clients are end-users (older people or caregivers), it might be possible to find early adopters but the margins are lower there.</p>
	Useful for exploitation (Yes/No)	Yes

Publications

Partner	Activities	
	Article publication title	MALNUTRITION, SEDENTARINESS AMD COGNITIVE DECLINE ARE NOW CONTROLLED BY THE DOREMI SYSTEM
	Authors	Parodi O, Ferro E, Chessa S, Vozzi F
	Journal/magazine/book title	Research EU Magazine
	Field/sector	EU funded research and development projects
	Submission/acceptance date	Acceptance date 05/10/2016
	Web URL	http://cordis.europa.eu/research-eu/home_it.html
	Publication volume / issues/ day-month-year/ pages from-to	November 2016 Issue
	Article description	A summary of DOREMI objective, platform and exploitation results is presented together with

		perspective in prevention of frailty in older people
	Target audience	General population
	Participating partners	CNR-IFC, CNR-ISTI, UNIPI
	Publishable summary for DOREMI website	The EU-funded DOREMI project (Decrease of cognitive decline, malnutrition and sedentariness by elderly empowerment in lifestyle management and social inclusion) showed that in elderly people cognitive decline can be counteracted and social inclusion can be improved with the help of cognitive games and a virtual companion to be used with PCs, TVs and tablets. The decline of cognitive ability is strongly related to lifestyle, as well as social engagement, cognitive stimulation, nutrition and physical activity.

5.2 CNR-ISTI

Conferences, exhibitions, workshops, seminars

Partner	Activities	
CNR-ISTI	Event title	AI*AAL 2016 Second Italian Workshop on Artificial Intelligence for Ambient Assisted Living
	Website	http://aiia2016.istc.cnr.it/
	Date (start-end)	28/11/2016
	Location	Genova, Italy
	Objective	To present the data-driven Artificial Intelligence techniques used in the DOREMI project
	Target audience	Researchers, Academia
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Workshop organization Panel discussion
	Participating partners	

	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	The event aims at disseminating the problem of Exploratory Data Analysis techniques for data-driven Artificial Intelligence algorithms, as used in the DOREMI project.
	Publishable summary for DOREMI website	The Exploratory Data Analysis aspects in the activity recognition components of DOREMI have been presented at the second Italian Workshop on Artificial Intelligence for Ambient Assisted Living, which was held in Genova on 28 November, 2016. CNR-ISTI has been invited to show the obtained results in the unsupervised techniques applied to DOREMI Pilots during the workshop panel. This was intended to start a discussion on the requirement for AAL spaces consisting in the unobtrusiveness of AI solutions.
	Useful for exploitation (Yes/No)	Yes

Publications

Partner	Activities	
CNR-ISTI	Article publication title	A stigmergic approach to indoor localization using bluetooth low energy beacons
	Authors	Filippo Palumbo, Paolo Barsocchi, Stefano Chessa, Juan Carlos Augusto
	Journal/magazine/book title	IEEE conference proceedings
	Field/sector	Computer Science
	Submission/acceptance date	Submission: 18/6/2015; Acceptance date: 2/7/2015
	Web URL	http://ieeexplore.ieee.org/document/7301734/?arnumber=7301734
	Publication volume / issues/ day-month-year/ pages from-to	Advanced Video and Signal Based Surveillance (AVSS), 2015 12th IEEE International Conference on / 25-08-2015 / 1-6

	Article description	<p>Localization of people and devices is one of the main building blocks of context aware systems since the user position represents the core information for detecting user's activities, devices activations, proximity to points of interest, etc. While for outdoor scenarios Global Positioning System (GPS) constitutes a reliable and easily available technology, for indoor scenarios GPS is largely unavailable. In this paper we present a range-based indoor localization system that exploits the Received Signal Strength (RSS) of Bluetooth Low Energy (BLE) beacon packets broadcast by anchor nodes and received by a BLE-enabled device. The method used to infer the user's position is based on stigmergy. We exploit the stigmergic marking process to create an on-line probability map identifying the user's position in the indoor environment.</p>
	Target audience	Researchers, Academia
	Participating partners	UNIPI
	Publishable summary for DOREMI website	<p>An indoor localization technique, based on the stigmergic technique used in DOREMI, has been presented at the 12th IEEE International Conference on Advanced Video and Signal Based Surveillance, during the 3rd AMMDS Workshop on Activity Monitoring by Multiple Distributed Sensing.</p> <p>The paper won the best student paper award.</p>

Partner	Activities	
CNR-ISTI	Article publication title	Monitoring elderly behavior via indoor position-based stigmergy
	Authors	Paolo Barsocchi, Mario GCA Cimino, Erina Ferro, Alessandro Lazzeri, Filippo Palumbo, Gigliola Vaglini
	Journal/magazine/book title	Elsevier Pervasive and Mobile Computing
	Field/sector	Computer Science

	Submission/acceptance date	Submission: 9/10/2014; Acceptance date: 6/4/2015
	Web URL	http://www.sciencedirect.com/science/article/pii/S1574119215000772
	Publication volume / issues/ day-month-year/ pages from-to	Volume 23 / 01-10-2015 / 26-42
	Article description	<p>In this paper we present a novel approach for monitoring elderly people living alone and independently in their own homes. The proposed system is able to detect behavioral deviations of the routine indoor activities on the basis of a generic indoor localization system and a swarm intelligence method. For this reason, an in-depth study on the error modeling of state-of-the-art indoor localization systems is presented in order to test the proposed system under different conditions in terms of localization error. More specifically, spatiotemporal tracks provided by the indoor localization system are augmented, via marker-based stigmergy, in order to enable their self-organization. This allows a marking structure appearing and staying spontaneously at runtime, when some local dynamism occurs. At a second level of processing, similarity evaluation is performed between stigmergic marks over different time periods in order to assess deviations. The purpose of this approach is to overcome an explicit modeling of user's activities and behaviors that is very inefficient to be managed, as it works only if the user does not stray too far from the conditions under which these explicit representations were formulated. The effectiveness of the proposed system has been experimented on real-world scenarios. The paper includes the problem statement and its characterization in the literature, as well as the proposed solving approach and experimental settings.</p>
	Target audience	Researchers, Academia
	Participating partners	
	Publishable summary for DOREMI website	In this paper we present a novel approach for monitoring elderly people living alone and independently in their

		<p>own homes. The proposed system is able to detect behavioral deviations of the routine indoor activities on the basis of a generic indoor localization system and a swarm intelligence method. For this reason, an in-depth study on the error modeling of state-of-the-art indoor localization systems is presented in order to test the proposed system under different conditions in terms of localization error. More specifically, spatiotemporal tracks provided by the indoor localization system are augmented, via marker-based stigmergy, in order to enable their self-organization. This allows a marking structure appearing and staying spontaneously at runtime, when some local dynamism occurs. At a second level of processing, similarity evaluation is performed between stigmergic marks over different time periods in order to assess deviations. The purpose of this approach is to overcome an explicit modeling of user's activities and behaviors that is very inefficient to be managed, as it works only if the user does not stray too far from the conditions under which these explicit representations were formulated. The effectiveness of the proposed system has been experimented on real-world scenarios. The paper includes the problem statement and its characterization in the literature, as well as the proposed solving approach and experimental settings.</p>
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Partner	Activities	
CNR-ISTI	Article publication title	Detecting Socialization Events in Ageing People: the Experience of the DOREMI Project
	Authors	D. Bacciu, S. Chessa, E. Ferro, L. Fortunati, C. Gallicchio, D. La Rosa, M. Llorente, A. Micheli, F. Palumbo, O. Parodi, A. Valenti, F. Vozi
	Journal/magazine/book title	IEEE conference proceedings
	Field/sector	Computer Science
	Submission/acceptance	Acceptance date: 24/03/2016

	date	
	Web URL	http://www.intenv.org/?q=conferences/ie16/programme
	Publication volume / issues/ day-month-year/ pages from-to	In press.
	Article description	The detection of socialization events is useful to build indicators about social isolation of people, which is an important indicator in e-health applications. On the other hand, it is rather difficult to achieve with non-invasive solutions. This work reports the technological solution for the detection of socialization events adopted in the DOREMI project.
	Target audience	Researchers, Academia
	Participating partners	UNIFI, MYSPHERA, CNR-IFC
	Publishable summary for DOREMI website	The detection of socialization events is useful to build indicators about social isolation of people, which is an important indicator in e-health applications. On the other hand, it is rather difficult to achieve with non-invasive solutions. This work reports the technological solution for the detection of socialization events adopted in the DOREMI project.

5.3 UNIFI

Conferences, exhibitions, workshops, seminars

Partner	Activities	
	Event title	12th Int. Conference on Intelligent Environments
	Website	http://intenv.org/
	Date (start-end)	12-16 September 2016
	Location	London, UK
	Objective	Presentation of a contribution concerning the system for detection of social activities in DOREMI

	Target audience	Academy
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Oral presentation
	Participating partners	UNIFI
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	The audience was composed by about 25 people coming from academy and research centers in Europe. The feedback of the audience was extremely positive especially concerning the experimentation conducted at the pilot sites. Many participants was interested in the acceptance of the DOREMI end users and in the technical management of the pilots.
	Publishable summary for DOREMI website	The technologies developed in DOREMI concerning the detection of social activities of the users were presented at the International Conference on Intelligent Environments in London, UK (12-16 September 2016). The audience, showed particular interest in the complexity of the experimentation and in its management, and in the reactions and acceptance of the DOREMI technologies by the end users.
Useful for exploitation (Yes/No)	NO	

Partner	Activities	
	Event title	CINI annual conference on ICT for Smart Cities and Communities (I-CiTies)
	Website	http://www.unisannio.it/I-CiTies2016/
	Date (start-end)	29-30 September 2016
	Location	Benevento, IT
	Objective	Presentation of a contribution concerning the management of the pilot sites in DOREMI

	Target audience	Academy/Industry
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Oral presentation
	Participating partners	UNIFI
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	The audience was composed by about 20 people from academy, research centers and industry in Italy. The audience was interested in the exploitable results of DOREMI and shown particular interest in the balance board.
	Publishable summary for DOREMI website	The organization and management of the pilot sites of in DOREMI were presented at the I-Cities conference in Benevento, IT (29-30 September 2016). The audience, which was composed by researchers from Italian universities, research centers and industries, showed interest in the exploitable results of the project.
	Useful for exploitation (Yes/No)	YES

Partner	Activities	
	Event title	Internet festival
	Website	http://www.internetfestival.it/
	Date (start-end)	6-9 October 2016
	Location	Pisa, IT
	Objective	Presentation of DOREMI as an example of an IoT design
	Target audience	general audience with a prevalence of students
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Oral presentation
	Participating partners	UNIFI

	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	The audience was composed by about 40 people, and the presentation was in a form of general tutorial that used DOREMI as a meaningful case study. Some feedbacks concerned some details about the general architecture of DOREMI.
	Publishable summary for DOREMI website	A general description of DOREMI has been given in form of tutorial as an example of a meaningful experience of an IoT installation at the Internet Festival in Pisa (6-9 October 2016). The audience composed of about 40 students showed interest in the details of the design and the general architecture of DOREMI.
	Useful for exploitation (Yes/No)	NO

Publications

Partner	Activities	
	Article publication title	Human Activity Recognition using Multisensor Data Fusion based on Reservoir Computing
	Authors	F. Palumbo, C. Gallicchio, R. Pucci, A. Micheli
	Journal/magazine/book title	Journal of Ambient Intelligence and Smart Environments
	Field/sector	Computer science
	Submission/acceptance date	March 2016
	Web URL	http://content.iospress.com/articles/journal-of-ambient-intelligence-and-smart-environments/ais372
	Publication volume / issues/ day-month-year/ pages from-to	vol. 8, no. 2, March 2016, pp. 87-107,
	Article description	Activity recognition plays a key role in providing activity assistance and care for users in smart homes. In this work, we present an activity recognition system that classifies in the near real-time a set of common daily

		<p>activities exploiting both the data sampled by sensors embedded in a smartphone carried out by the user and the reciprocal Received Signal Strength (RSS) values coming from worn wireless sensor devices and from sensors deployed in the environment. In order to achieve an effective and responsive classification, a decision tree based on multisensor data-stream is applied fusing data coming from embedded sensors on the smartphone and environmental sensors before processing the RSS stream. To this end, we model the RSS stream, obtained from a Wireless Sensor Network (WSN), using Recurrent Neural Networks (RNNs) implemented as efficient Echo State Networks (ESNs), within the Reservoir Computing (RC) paradigm. We targeted the system for the EvAAL scenario, an international competition that aims at establishing benchmarks and evaluation metrics for comparing Ambient Assisted Living (AAL) solutions. In this paper, the performance of the proposed activity recognition system is assessed on a purposely collected real-world dataset, taking also into account a competitive neural network approach for performance comparison. Our results show that, with an appropriate configuration of the information fusion chain, the proposed system reaches a very good accuracy with a low deployment cost</p>
	<p>Target audience</p>	<p>academy</p>
	<p>Participating partners</p>	<p>CNR-ISTI, UNIPI</p>
	<p>Publishable summary for DOREMI website</p>	<p>Activity recognition plays a key role in providing activity assistance and care for users in smart homes. In this work, we present an activity recognition system that classifies in the near real-time a set of common daily activities exploiting both the data sampled by sensors embedded in a smartphone carried out by the user and the reciprocal Received Signal Strength (RSS) values coming from worn wireless sensor devices and from sensors deployed in the environment. In order to achieve an effective and responsive classification, a decision tree based on multisensor data-stream is applied fusing data coming from embedded sensors on the smartphone and environmental sensors before processing the RSS stream. To this end, we model the RSS stream, obtained from a Wireless Sensor Network (WSN), using Recurrent Neural Networks (RNNs) implemented as efficient Echo State Networks (ESNs), within the Reservoir Computing</p>

		<p>(RC) paradigm. We targeted the system for the EvAAL scenario, an international competition that aims at establishing benchmarks and evaluation metrics for comparing Ambient Assisted Living (AAL) solutions. In this paper, the performance of the proposed activity recognition system is assessed on a purposely collected real-world dataset, taking also into account a competitive neural network approach for performance comparison. Our results show that, with an appropriate configuration of the information fusion chain, the proposed system reaches a very good accuracy with a low deployment cost</p>
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Partner	Activities	
	Article publication title	A reservoir computing approach for balance assessment
	Authors	C. Gallicchio, A. Micheli, L. Pedrelli, L. Fortunati, F. Vozzi, and O. Parodi.
	Journal/magazine/book title	Advanced Analysis and Learning on Temporal Data: First ECML PKDD Workshop, Lecture Notes in Computer Science
	Field/sector	Computer science
	Submission/acceptance date	September 11, 2015
	Web URL	http://www.springer.com/gp/book/9783319444116
	Publication volume / issues/ day-month-year/ pages from-to	volume 9785 of Lecture Notes in Computer Science, September 2015, pages 65–77
	Article description	
	Target audience	academy
	Participating partners	CNR-ISTI, UNIPI, CNR-IFC
	Publishable summary for DOREMI website	

Partner	Activities	
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Article publication title	Smart environments and context-awareness for lifestyle management in a healthy active ageing framework
Authors	D. Bacciu, S. Chessa, C. Gallicchio, A. Micheli, E. Ferro, L. Fortunati, F. Palumbo, O. Parodi, F. Vozzi, S. Hanke, J. Kropf, K. Kreiner
Journal/magazine/book title	Progress in Artificial Intelligence, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Francisco Pereira, PenousalMachado, Ernesto Costa, Amílcar Cardoso editors, ISBN 978-3-319-23484-7
Field/sector	Computer science
Submission/acceptance date	September 2015
Web URL	http://www.springer.com/us/book/9783319234847
Publication volume / issues/ day-month-year/ pages from-to	Volume 9273, Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), 2015, Pages 54-66
Article description	Health trends of elderly in Europe motivate the need for technological solutions aimed at preventing the main causes of morbidity and premature mortality. In this framework, the DOREMI project addresses three important causes of morbidity and mortality in the elderly by devising an ICT-based home care services for aging people to contrast cognitive decline, sedentariness and unhealthy dietary habits. In this paper, we present the general architecture of DOREMI, focusing on its aspects of human activity recognition and reasoning
Target audience	academy
Participating partners	UNIPI, ISTI-CNR, IFC-CNR, AIT
Publishable summary for DOREMI website	Health trends of elderly in Europe motivate the need for technological solutions aimed at preventing the main causes of morbidity and premature mortality. In this

		<p>framework, the DOREMI project addresses three important causes of morbidity and mortality in the elderly by devising an ICT-based home care services for aging people to contrast cognitive decline, sedentariness and unhealthy dietary habits. In this paper, we present the general architecture of DOREMI, focusing on its aspects of human activity recognition and reasoning</p>
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Partner	Activities	
	Article publication title	Preliminary Experimental Analysis of Reservoir Computing Approach for Balance Assessment
	Authors	C. Gallicchio, A. Micheli, L. Pedrelli, F. Vozi, O. Parodi,
	Journal/magazine/book title	CEUR Workshop Proceedings, 1st International Workshop on Advanced Analytics and Learning on Temporal Data, AALTD 2015
	Field/sector	Computer science
	Submission/acceptance date	September 2015
	Web URL	http://ceur-ws.org/Vol-1425/aaltd2015_proceedings.pdf
	Publication volume / issues/ day-month-year/ pages from-to	Volume 1425, CEUR Workshop Proceedings , 2015, Pages 57-62
	Article description	<p>Evaluation of balance stability in elderly people is of prominent relevance in the field of health monitoring. Recently, the use of Wii Balance Board has been proposed as valid alternative to clinical balance tests, such as the widely used Berg Balance Scale (BBS) test, allowing to measure and analyze static features such as the duration or the speed of assessment of patients' center of pressure. In an innovative way, in this paper we propose to take into consideration the whole temporal information generated by the balance board, analyzing it by means of dynamical neural networks. In particular, using Recurrent Neural Networks implemented</p>

		according to the Reservoir Computing paradigm, we propose to estimate the BBS score from the temporal data generated by the execution of one simple exercise on the balance board. Preliminary experimental assessments of the proposed approach on a real-world dataset show promising results.
	Target audience	Academy
	Participating partners	UNIPI, IFC-CNR
	Publishable summary for DOREMI website	Evaluation of balance stability in elderly people is of prominent relevance in the field of health monitoring. Recently, the use of Wii Balance Board has been proposed as valid alternative to clinical balance tests, such as the widely used Berg Balance Scale (BBS) test, allowing to measure and analyze static features such as the duration or the speed of assessment of patients' center of pressure. In an innovative way, in this paper we propose to take into consideration the whole temporal information generated by the balance board, analyzing it by means of dynamical neural networks. In particular, using Recurrent Neural Networks implemented according to the Reservoir Computing paradigm, we propose to estimate the BBS score from the temporal data generated by the execution of one simple exercise on the balance board. Preliminary experimental assessments of the proposed approach on a real-world dataset show promising results.

5.4 MYSPHERA

Conferences, exhibitions, workshops, seminars

Partner	Activities	
MYSPHERA	Event title	<i>19th National Congress of Hospitals and Health Management</i>
	Website	http://www.19congresohospitales.org/
	Date (start-end)	10/03/15 – 13/03/15

	Location	Elche and Alicante (Spain)
	Objective	Contact with stakeholders, networking
	Target audience	Hospital managers and service providers
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Attendance
	Participating partners	MYSIPHERA
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	The event was centered in the improvement of the efficiency of processes in public and private healthcare. There were conferences and networking time slots. MYSIPHERA disseminated the DOREMI project and the first preliminary results. The first DOREMI newsletter was used as support material, to provide some physical report of the activities of DOREMI. The comments in general were positive, with prudence until see real results of the project. In general, the idea of expanding the independent living of elderly by dedicated systems at home is well accepted by healthcare providers as a part of a presales operation (this is, link the potential customers of nursing homes to the company in early stages).
	Publishable summary for DOREMI website	MYSIPHERA representatives participated in the 19 th Congress in Hospitals and Healthcare management held on from 10/03/2015 to 13/03/2015 in the cities of Elche and Alicante. This congress, relevant at national context in Spain, gather more than 1500 healthcare and management professionals. The focus of the congress is the good use of resources in public and/or private healthcare, the innovations in the hospital technologies and new procedures and processes improvement. MYSIPHERA explained the DOREMI project as an example of a new process helping to manage elderly homecare, exposing the expected results in DOREMI and using as support material the 1 st DOREMI newsletter.
	Useful for exploitation (Yes/No)	Yes

Partner	Activities
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MYSOPHERA	Event title	<i>eHealth Week</i>
	Website	www.worldofhealthit.org/ehome/index.php?eventid=98290&
	Date (start-end)	11/05/15 – 13/05/15
	Location	Riga (Latvia)
	Objective	Exchange knowledge and share best practices in eHealth and IT healthcare representatives.
	Target audience	IT healthcare innovators, startups, healthcare systems managers.
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Stand
	Participating partners	MYSOPHERA
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	The eHealth week was an event for bringing together all the partners involved in the health sector to analyze the most important issues of e-health and healthcare process improvement, discuss the importance of patient involvement and look for the highest quality solution for cooperation between the EU Member States. The feedback from the health care professionals was positive.
	Publishable summary for DOREMI website	MYSOPHERA representatives attended the eHealth week in Riga in May 2015 to meet with potential stakeholders from public and private healthcare sectors, clinicians, hospital and IT managers for the DOREMI project. The stand showed the hardware prototypes, the system architecture and the potential benefits of using the DOREMI solution.
Useful for exploitation (Yes/No)	Yes	

5.5 AIT

Conferences, exhibitions, workshops, seminars

Partner	Activities	
	Event title	TechAAL2016

Website	http://www.theiet.org/events/tpn/techaal/programme.cfm
Date (start-end)	25.10. -26.10.2016
Location	London
Objective	Doremi System and Data Reasoning
Target audience	Scientific Experts
Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Short talk and discussion
Participating partners	AIT
Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	The audience was interested and we had an interesting discussion. The discussion was around the effects of the interaction and if people changed their lifestyle.
Publishable summary for DOREMI website	none
Useful for exploitation (Yes/No)	no

Partner	Activities	
	Event title	Doremi Final Conference
	Website	http://www.doremi-fp7.eu/news
	Date (start-end)	25.10.2016
	Location	Brüssels
	Objective	User interaction with the specialist: the DOREMI dashboard
	Target audience	Scientific Experts and Policy Makers
	Participation type (stand, symposium, seminar,	Short talk, presentation and discussion

	oral presentation, press release, etc.)	
	Participating partners	All the consortium
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	Interesting discussion about the overall Doremi system.
	Publishable summary for DOREMI website	none
	Useful for exploitation (Yes/No)	no

Publications

none

5.6 EXTRACARE

Publications

Partner	Activities	
ExtraCare	Article publication title	IT Works - DOREMI
	Authors	Rowland Sandys and Shirley Hall
	Journal/magazine/book title	Extra Life Magazine – ExtraCare magazine
	Field/sector	All ExtraCare residents
	Submission/acceptance date	March 2016
	Web URL	
	Publication volume / issues/ day-month-year/ pages from-to	March / April edition – Pages 47-48
	Article description	An update on the project and intervention and residents

		who took part at our 2 villages.
	Target audience	All 4500 residents and staff
	Participating partners	ExtraCare
	Publishable summary for DOREMI website	This article gives an overview of the project, and how it was implemented in the 2 ExtraCare villages. It gives a summary of what was involved for participants and also the view from a participant.

5.7 IMA

Conferences, exhibitions, workshops, seminars

Partner	Activities	
IMA	Event title	Connected Health: networking
	Website	http://www.connectedhealthmonaco.com
	Date (start-end)	10/06/2015
	Location	Monaco
	Objective	
	Target audience	Scientists and healthcare professionals
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	networking
	Participating partners	IMA
	Report (event description, disseminating actions, presenters' perception of impact on participants,	Event

	comments, feedback, etc.)	
	Publishable summary for DOREMI website	
	Useful for exploitation (Yes/No)	Yes

Partner	Activities	
IMA	Event title	2 nd Italian Digital Health Summit
	Website	http://www.aboutpharma.com/blog/2015/05/15/37talian-digital-health-summit-2015-mobile-health-and-wearable-devices
	Date (start-end)	16/06/2015
	Location	Milan
	Objective	Demos
	Target audience	Pharma Industry; PA
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	stand + 4 repeated demo sessions. Presentation of the Doremi cognitive games and demo interactive session, booth
	Participating partners	IMA
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments,	Event

	feedback, etc.)	
	Publishable summary for DOREMI website	Presentation: http://www.slideshare.net/lpannese/e-health-games-e-tecnologie-abilitanti?qid=266cd5cf-2680-42f2-8e85-4114dbb67db4&v=qf1&b=&from_search=8 .
	Useful for exploitation (Yes/No)	Yes

Partner	Activities	
IMA	Event title	Ernst & Young “LIFE SCIENCES EXECUTIVE INFORMATION DINNER: APPLIED INTERACTIVE TECHNOLOGIES”
	Website	
	Date (start-end)	14/07/2015
	Location	Frankfurt (DE)
	Objective	Games presentation
	Target audience	Pharma Sector
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	EY dinner meeting invitation
	Participating partners	IMA
Report (event description, disseminating actions, presenters’ perception of impact on participants, comments, feedback, etc.)	Event	

	Publishable summary for DOREMI website	
	Useful for exploitation (Yes/No)	Yes

Partner	Activities	
IMA	Event title	NHS test bed event
	Website	
	Date (start-end)	29/07/2015
	Location	London
	Objective	games presentation to NHS representatives and GPs
	Target audience	NHS representatives and GPs
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	games presentation to NHS representatives and GPs
	Participating partners	IMA
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	Event
Publishable summary for		

	DOREMI website	
	Useful for exploitation (Yes/No)	Yes

Partner	Activities	
IMA	Event title	Serious games Conference
	Website	http://2015conf.seriousgamesconference.org/
	Date (start-end)	14-16.08.2015
	Location	Singapore
	Objective	games presentation
	Target audience	researchers and stakeholder of the serious games sector
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	games presentation
	Participating partners	IMA
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	Event
	Publishable summary for DOREMI	

	website	
	Useful for exploitation (Yes/No)	Yes

Partner	Activities	
IMA	Event title	NHS test bed event
	Website	
	Date (start-end)	03/09/2015
	Location	Manchester
	Objective	games presentation
	Target audience	NHS representatives and GPs
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	games presentation
	Participating partners	IMA
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	Event
Publishable summary for DOREMI website		

	Useful for exploitation (Yes/No)	Yes
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Partner	Activities	
IMA	Event title	IED Immersive Education conference
	Website	
	Date (start-end)	7-10/09/2015
	Location	Paris (F)
	Objective	
	Target audience	Schools and teaching professionals and students
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	
	Participating partners	IMA
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	Conference
	Publishable summary for DOREMI website	
Useful for exploitation	Yes	

	(Yes/No)	
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Partner	Activities	
IMA	Event title	Rehab@home final conference (showcase)
	Website	http://www.rehabathome-project.eu/rehabhome/
	Date (start-end)	15.09.2015
	Location	Milan Fondazione Don Gnocchi
	Objective	Presentation of the DOREMI mobile games
	Target audience	doctors, therapists, providers of medical IT, PA, stakeholders in general
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Demo session
	Participating partners	IMA
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	Event
	Publishable summary for DOREMI website	
Useful for exploitation (Yes/No)	Yes	

Partner	Activities	
IMA	Event title	#Sgames 2015 - 5th EAI International Conference on Serious Games, Interaction and Simulation
	Website	http://sgamesconf.org/2015/show/home
	Date (start-end)	18.09.2015
	Location	Novedrate
	Objective	Presentation of the DOREMI mobile game
	Target audience	research
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Keynote Presentation of games for health and workshop
	Participating partners	IMA
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	Conference
	Publishable summary for DOREMI website	
Useful for exploitation (Yes/No)	Yes	

Partner	Activities	
IMA	Event title	TeleMediCare 2015. Tele-Medicine & Tele-Care for elderly and disability People V - International Conference and Exposition IX - Italian National Workshop
	Website	http://www.aodesiovimercate.it/web/index.php/eventi/mostra/36223
	Date (start-end)	1-2.10.2015
	Location	Desio Hospital
	Objective	Presentation of Games for Health and the DOREMI mobile games
	Target audience	research and medical
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Presentation about games for active ageing and presentation of the Doremi project
	Participating partners	IMA
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	Conference
	Publishable summary for DOREMI website	
Useful for exploitation (Yes/No)	Yes	

Partner	Activities	
IMA	Event title	V workshop neuroinformatica Neuroimaging, neurorobotica, neuroriabilitazione, neurorigenerazione
	Website	
	Date (start-end)	30.09.2015
	Location	Milan CNR Research Area
	Objective	Presentation of Games for Health
	Target audience	research and medical
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Presentation of games for health and DOREMI mobile games
	Participating partners	IMA
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	Workshop
	Publishable summary for DOREMI website	
Useful for exploitation (Yes/No)	Yes	

Partner	Activities	
IMA	Event title	ICT 2015: networking and B2B meetings
	Website	https://www.b2match.eu/ict2015/participants/66
	Date (start-end)	20-22.10.2015
	Location	Lisbon
	Objective	Networking and B2B Meetings
	Target audience	research and medical and other serious games stakeholders
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	
	Participating partners	IMA
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	Event
	Publishable summary for DOREMI website	
Useful for exploitation (Yes/No)	Yes	

Partner	Activities	
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IMA	Event title	Meeting Ivan Boo CEO Life Data Solutions Singapore
	Website	
	Date (start-end)	9-10.11.2015
	Location	London
	Objective	Pre exploitation
	Target audience	Interest in serious games for health
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	
	Participating partners	IMA
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	F2F Meeting
	Publishable summary for DOREMI website	
Useful for exploitation (Yes/No)	Yes	

Partner	Activities				
IMA	Event title	6 th	International	Forum	on Lifestyles and Health

		and Chongqing Bonded Area International Health Industry Exhibition
Website		http://www.zngx.cc/index-product-1.html
Date (start-end)		28-30.11.2015
Location		Chongqing
Objective		Demo of the games and exploitation activities
Target audience		Specialist of health sector
Participation type (stand, symposium, seminar, oral presentation, press release, etc.)		booth
Participating partners		IMA
Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)		Trade fair
Publishable summary for DOREMI website		
Useful for exploitation (Yes/No)		Yes

Partner	Activities	
IMA	Event title	Technology, knowledge and society conference: Demo session, "The

		impact of lifestyle technologies on society"
Website		http://techandsoc.com/about/history/2016-conference
Date (start-end)		18-19.02.2016
Location		Buenos Aires
Objective		Demo of the games
Target audience		Academics, students, publishers, public sector
Participation type (stand, symposium, seminar, oral presentation, press release, etc.)		Demo session: "The impact of lifestyle technologies on society" http://www.slideshare.net/dwortley/lifestyle-technologies-and-society
Participating partners		IMA
Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)		Conference
Publishable summary for DOREMI website		http://www.slideshare.net/dwortley/lifestyle-technologies-and-society
Useful for exploitation (Yes/No)		Yes

Partner	Activities	
IMA	Event title	Medicon 2016- XIV MEDITERRANEAN CONFERENCE ON MEDICAL AND

		BIOLOGICAL ENGINEERING AND COMPUTING:
Website		http://medicon2016.org/
Date (start-end)		31.03-02.04.2016
Location		Paphos, Cyprus
Objective		Demo of the games and pre exploitation activities
Target audience		Academic and health
Participation type (stand, symposium, seminar, oral presentation, press release, etc.)		Demo of the game, "Gamified wellbeing for all ages" How technology and gamification can support physical and mental wellbeing in the ageing society" – Actual system use presentations http://www.slideshare.net/dwortley/gamified-wellbeing-for-all-ages
Participating partners		IMA
Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)		Conference
Publishable summary for DOREMI website		
Useful for exploitation (Yes/No)		Yes

Partner	Activities	
IMA	Event title	Asia Pacific Healthcare Simulation Conference

	Website	http://www.mnmconferences.com/Asia-Pacific-Healthcare-Simulation-Conference-20161
	Date (start-end)	21-22, April, 2016
	Location	Kuala Lumpur, Malaysia
	Objective	Demo of the games and pre exploitation activities
	Target audience	Medical Practitioners, Academics, Healthcare Simulation Providers
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Oral presentation
	Participating partners	IMA
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	Conference
	Publishable summary for DOREMI website	
	Useful for exploitation (Yes/No)	Yes

Partner	Activities	
IMA	Event title	Bangkok International Digital Content Festival

	Website	http://www.bangkokdc.com/
	Date (start-end)	25-26/04/2016
	Location	Bangkok, Thailand
	Objective	demo of the games and pre exploitation activities at “BIDC Bangkok International Digital Content Festival” with business matching
	Target audience	Teenagers/Industries/Teachers/Schools/Policy Makers etc.
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Oral presentation
	Participating partners	IMA
	Report (event description, disseminating actions, presenters’ perception of impact on participants, comments, feedback, etc.)	Conference
	Publishable summary for DOREMI website	
	Useful for exploitation (Yes/No)	Yes

Partner	Activities	
IMA	Event title	Medilink Digital Health SIG Meeting

	Website	http://www.lboro.ac.uk/departments/ssehs/staff/academic-research/dale-esliger/
	Date (start-end)	April 13th 2016
	Location	Loughborough, Leicestershire (UK)
	Objective	To explore potential collaboration with Loughborough University specialist facility on sensors, exercise and diet and Leicester University on big data analytics as part of Medilink Digital Health SIG with Dr Dale Eslinger (Loughborough) and Dr Jonathan Tedds (Leicester)
	Target audience	Academics, medical professionals
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Oral presentation
	Participating partners	IMA
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	Event
	Publishable summary for DOREMI website	
	Useful for exploitation (Yes/No)	

Partner	Activities
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IMA	Event title	Meeting with the MD of Spirit Healthcare
	Website	http://spirit-healthcare.co.uk/
	Date (start-end)	15.04.2016
	Location	Oadby, Leicester, UK
	Objective	Communicate with their MD to develop the opportunities in Asia
	Target audience	Business
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	
	Participating partners	IMA
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	F2F Meeting
	Publishable summary for DOREMI website	
Useful for exploitation (Yes/No)	Yes	

Partner	Activities	
IMA	Event title	Meeting with the Singapore Hospital

Website	http://www.sgh.com.sg/Pages/default.aspx
Date (start-end)	2.05.2016
Location	Singapore
Objective	Discuss with Prof Fatimah Bte Abdul Lateef. She works in the hospital and she is also a member of Parliament in Singapore with responsibilities for Healthcare. The meeting with her was to discuss Ageing Society
Target audience	Health specialists
Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	
Participating partners	IMA
Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	F2F Meeting
Publishable summary for DOREMI website	
Useful for exploitation (Yes/No)	Yes

Partner	Activities
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IMA	Event title	UPSI Gamification Day'
	Website	http://www.uerl.upsi.edu.my/#!/upsi-gamification-seminar—exhibition/c1blj
	Date (start-end)	6 may 2016
	Location	Tanjong Malim, Perak, Malaysia
	Objective	Presentation of the project within the “Pervasive wellness: gamification is the answer” presentation.
	Target audience	Academics; policy makers and private sector organisations
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Presentation of the project within the “Pervasive wellness: gamification is the answer” presentation
	Participating partners	IMA
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	Laboratory
	Publishable summary for DOREMI website	
Useful for exploitation (Yes/No)	Yes	

Partner	Activities
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IMA	Event title	Meeting with CTR Primavera and Centro Medico OTTO20 del dr Giuseppe Labate
	Website	http://www.centromedicocarbonia.com/centromedicootto20.html
	Date (start-end)	9.05.2016
	Location	Cagliari, ITA
	Objective	the aim was to discuss interest to test the games for an extension of their use also in pediatric settings, conducting adaptation studies. Great interest was shown and by the end of June testing should begin in both centres.
	Target audience	Health specialists
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	
	Participating partners	IMA
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	F2F Meeting
	Publishable summary for DOREMI website	
Useful for exploitation (Yes/No)	Yes	

Partner	Activities	
IMA	Event title	Meeting with Cooperativa Le Api.
	Website	http://www.coopleapi.it/v3/index.php
	Date (start-end)	09.05.2016
	Location	Sant'Antioco, ITA
	Objective	the aim was to discuss interest to test the games for an extension of their use for autistic children and teens as well as children and teens with learning difficulties and attention disorders
	Target audience	Health specialists
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	
	Participating partners	IMA
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	F2F Meeting
	Publishable summary for DOREMI website	
Useful for exploitation (Yes/No)	Yes	

Partner	Activities	
IMA	Event title	Communic Asia 2016
	Website	http://communicasia.com/
	Date (start-end)	31 May – 2 June 2016
	Location	Singapore
	Objective	Presentation of the DOREMI app in an immersive gamified experience incorporating a replica of a typical room in a Senior Activity Centre
	Target audience	ICT, health and business
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Presentation of the DOREMI app in an immersive gamified experience incorporating a replica of a typical room in a Senior Activity Centre
	Participating partners	IMA
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	Exhibition & Conference
	Publishable summary for DOREMI website	
Useful for exploitation (Yes/No)	Yes	

Partner	Activities	
IMA	Event title	6 th Annual Digital Medicine Academic Meeting of Chinese Medical Association and the 1 st International Conference of Digital Medicine & Medical 3D Printing
	Website	http://www.bitcongress.com/nccsdm2016/WelcomeMessage.asp
	Date (start-end)	June 17-19, 2016
	Location	Nanjing
	Objective	Presentation of the Project and the DOREMI app through the video within “Digital health and gamification”
	Target audience	Medical practitioners and academics
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Oral presentation
	Participating partners	IMA
	Report (event description, disseminating actions, presenters’ perception of impact on participants, comments, feedback, etc.)	
	Publishable summary for DOREMI website	
Useful for exploitation (Yes/No)	Yes	

Partner	Activities	
IMA	Event title	Digital Awards AboutPharma
	Website	http://www.aboutpharma.com/digital-awards-2016/
	Date (start-end)	26.10.2016
	Location	Milan
	Objective	Presentation of the project and the DOREMI platform
	Target audience	Pharma sector
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Written presentation of the Award
	Participating partners	IMA
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	Award
	Publishable summary for DOREMI website	
Useful for exploitation (Yes/No)	Yes	

Publications

Partner	Activities	
	Article publication title	Musian D, Ascolese A,
	Authors	<i>Handbook of Research on Holistic Perspectives in Gamification for Clinical Practice.</i>
	Journal/magazine/book title	Gamified cognitive training
	Field/sector	2015
	Submission/acceptance date	http://www.igi-global.com/chapter/gamification-and-health-literacy/137821
	Web URL	D. Novák, B. Tulu, & H. Brendryen (Eds.), (2015) Handbook of Research on Holistic Perspectives in Gamification for Clinical Practice. Hershey, PA: IGI Global
	Publication volume / issues/ day-month-year/ pages from-to	<p>Due to the ageing population, cognitive decline is becoming a widespread problem that requires immediate and preventive intervention to avoid the transition to dementia and the associated consequences for the individual and for society. For these reasons, strategies and interventions to prevent and reduce progressive decline have attracted increasing attention in scientific community and wide population. Computer based cognitive training has been widely used and tested to maintain and improve the cognitive performance of older people engaging users in serious games. Typically, cognitive training packages also utilise gamification techniques to increase engagement. Although gamification can be a powerful motivator for people completing cognitive training, it could be overwhelming for people with cognitive impairments if designed poorly. The DOREMI project aims to design cognitive training games for older people with cognitive impairment, using a user-centered design process to ensure that the gamification tools used to motivate participation are effective, meaningful, and user-friendly.</p>
Article description	Clinical experts	

	Target audience	
	Participating partners	IMA, SI4life
	Publishable summary for DOREMI website	Musian D, Ascolese A,

Partner	Activities	
	Article publication title	Gamified wellbeing for all ages- How technology and gamification
	Authors	Ascolese A., Pannese L., Wortley D.
	Journal/magazine/book title	IFMBE Proceedings vol. 57
	Field/sector	
	Submission/acceptance date	31.03-02.04.2016
	Web URL	http://www.readcube.com/articles/10.1007/978-3-319-32703-7_245
	Publication volume / issues/ day-month-year/ pages from-to	1281-1285
	Article description	<p>This paper explores the role of technology and gamification strategies in addressing serious societal health issues by providing tools and practices which support healthy ageing (thereby reducing the cost of care for the elderly). The-se tools and practices also provide an infrastructure and eco-system that enables effective care and rehabilitation to take place in a home environment with more cost effective patient management from remote medical professionals. This paper emphasizes the importance and cost effectiveness of preventive healthcare based on influencing patient lifestyle behaviors, awareness and understanding and the value of citizen empowerment in personal health management. The paper is based on the experiences of major European projects Rehab@Home, Pegaso and</p>

		Doremi where the author's company has been developing technology tools and gamified applications to improve physical and mental well being for ages from teenagers to the elderly.
	Target audience	
	Participating partners	
	Publishable summary for DOREMI website	

5.8 DMU

Conferences, exhibitions, workshops, seminars

Partner	Activities	
	Event title	Occupational Health Psychology
	Website	
	Date (start-end)	23-24 October 2015
	Location	Wuhan University, China
	Objective	To discuss health psychology
	Target audience	Academics and students
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Invited talk
	Participating partners	DMU
	Report (event description, disseminating actions, presenters' perception of impact on participants,	Mark Scase gave an invited talk to a conference on Occupational Health Psychology at Wuhan University in China and described the DOREMI project in October 2015. The title of his talk was "Enhancing the health and

	comments, feedback, etc.)	wellbeing of older people through the use of gamified serious games.”
	Publishable summary for DOREMI website	
	Useful for exploitation (Yes/No)	Yes

Partner	Activities	
	Event title	World at One
	Website	http://www.bbc.co.uk/programmes/b0745d3g
	Date (start-end)	24 March 2016
	Location	Milton Keynes
	Objective	To describe DOREMI and the benefits of EU funded work
	Target audience	General public
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Radio interview
	Participating partners	DMU, Extracare
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	Mark Scase was interviewed by Andrew Bomford from BBC Radio 4 World at One about the DOREMI project and the benefits of EU funded work. This interview was broadcast on UK national radio on 24 March 2016. http://www.bbc.co.uk/programmes/b0745d3g
	Publishable summary for DOREMI website	
	Useful for exploitation (Yes/No)	Yes

Partner	Activities	
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	Event title	Stronger in Europe
	Website	http://www.dmu.ac.uk/about-dmu/news/2016/april/education-secretary-visits-dmu-with-the-britain-stronger-in-europe-campaign.aspx
	Date (start-end)	12 April 2016
	Location	De Montfort University Leicester
	Objective	To promote EU funded research
	Target audience	Politicians
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Stand
	Participating partners	DMU
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	On 12 April 2016 Mark Scase and Blessing Marandure met with UK Secretary of State for Education, Nicky Morgan MP, and demonstrated the cognitive games from the DOREMI project as an example of how research at DMU works for the public good.
	Publishable summary for DOREMI website	
	Useful for exploitation (Yes/No)	No

Partner	Activities	
	Event title	Stronger in Europe
	Website	http://www.dmu.ac.uk/research/research-news/2016/june/dmu-research-picked-to-highlight-benefit-of-eu-funding-at-national-rally.aspx
	Date (start-end)	9 June 2016
	Location	London, UK

	Objective	To promote DOREMI and EU funded research
	Target audience	Politicians, media, general public
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Speech, stand, TV interview
	Participating partners	DMU
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	<p>On 9 June 2016 Mark Scase gave an invited speech at an event at Universities UK in London involving Universities minister Jo Johnson MP. The speech was on the advantages of collaborative work in the EU and concentrated on the DOREMI project.</p> <p>At the same event Mark Scase and Blessing Marandure presented the DOREMI project to delegates and described the features of the cognitive games.</p> <p>Also on 9 June 2016 Mark Scase was interviewed by NHK television (Japanese TV) about the DOREMI project.</p>
	Publishable summary for DOREMI website	
	Useful for exploitation (Yes/No)	Yes

5.9 AGE

Conferences, exhibitions, workshops, seminars

Partner	Activities	
AGE	Event title	Health Literacy in Europe. Empowering patients - how can technology contribute to improving health literacy?
	Website	https://epthinktank.eu/2015/06/23/health-literacy-and-the-role-of-technology-in-europe/
	Date (start-end)	1 July 2015
	Location	Brussels

	Objective	The workshop has investigated best practices to deliver health literacy, and the role that technology could play in increasing health literacy in Europe. Both e-Health and m-Health have been presented, and the need to teach people how to get the most from the information available has been discussed.
	Target audience	eHealth and mHealth stakeholders, including representatives of users and policy makers
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Display of the DOREMI flyer
	Participating partners	AGE
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	Useful to for networking and raising awareness on the activities of DOREMI
	Publishable summary for DOREMI website	n.a.
	Useful for exploitation (Yes/No)	Partially, in terms of contacts

Partner	Activities	
AGE	Event title	Launch of the Covenant on Demographic Change
	Website	http://www.afeinnovnet.eu/event/launch-covenant-demographic-change
	Date (start-end)	7-9 December 2015
	Location	Brussels
	Objective	The workshop covered from the participatory approaches in initial needs' assessments and planning, to the design of action plans in cross-sectoral cooperation, the definition of outputs and outcomes, and finally the

		monitoring and evaluation of results.
	Target audience	Local and regional public authorities, researchers, business representatives, older people associations
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Display of the DOREMI flyer
	Participating partners	AGE
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	Useful to for networking and raising awareness on the activities of DOREMI
	Publishable summary for DOREMI website	n.a.
	Useful for exploitation (Yes/No)	Partially, in terms of contacts with business representatives and older people organisations

Partner	Activities	
AGE	Event title	TechSoup - Technology for Social Good
	Website	http://www.techsoupeurope.org/
	Date (start-end)	13 June 2016
	Location	Brussels
	Objective	The workshop focused on technology solutions for increased social impact across Europe, showcasing examples of successful projects, and discussing possibilities for future collaboration
	Target audience	Policy-makers, donors, non-profit organisations and corporations
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Display of the DOREMI flyer

	release, etc.)	
	Participating partners	AGE
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	Useful to for networking and raising awareness on the activities of DOREMI
	Publishable summary for DOREMI website	n.a.
	Useful for exploitation (Yes/No)	Partially, in terms of contacts with business representatives

Partner	Activities	
AGE	Event title	EIP AHA A3 Action Group Meeting
	Website	n.a.
	Date (start-end)	13 June 2016
	Location	Luxembourg
	Objective	Meeting up with the stakeholders of the EIP AHA A3 Action Group on Frailty and checking the state of the art
	Target audience	EIP AHA reference sites and committed partners
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Display of the DOREMI flyer
	Participating partners	AGE
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	Useful to for networking and raising awareness on the activities of DOREMI

	Publishable summary for DOREMI website	n.a.
	Useful for exploitation (Yes/No)	Partially, in terms of liaising with similar projects and pool together on the exploitation side

Partner	Activities	
AGE	Event title	ACCESS – Assisting Carers for Cooperative Services to Seniors, European Conference
	Website	www.access-project.org
	Date (start-end)	30 August 2016
	Location	Brussels
	Objective	Meeting up with the ACCESS designers and developers
	Target audience	the ACCESS designers and developers
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Display of the DOREMI flyer
	Participating partners	AGE
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	Useful to for networking and raising awareness on the activities of DOREMI
	Publishable summary for DOREMI website	n.a.
Useful for exploitation (Yes/No)	Partially, in terms of liaising with technicians that developed components for integrated monitoring and care of seniors at home and to check their exploitation plan	

Partner	Activities	
AGE	Event title	"Towards early detection of age-related health risks: understanding users' needs, unobtrusive sensing and data analysis"
	Website	Not found in the official page of the EC
	Date (start-end)	4 October 2016
	Location	Brussels
	Objective	Discussion on future challenges in collecting, storing, using, sharing and analysing data for Active and Healthy Ageing from an interdisciplinary perspective.
	Target audience	PHC-21 projects (i-PROGNOSIS, FrailSafe, PreventIT, REACH, my-AHA, City4Age) and similar projects
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Display of the DOREMI flyer
	Participating partners	AGE
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	Useful to for networking and raising awareness on the activities of DOREMI
	Publishable summary for DOREMI website	n.a.
Useful for exploitation (Yes/No)	Not of DOREMI, but for the PHC-21 projects that just started their work	

Partner	Activities	
AGE	Event title	AGE Task Force Meeting on Healthy Ageing and Accessibility
	Website	n.a.

	Date (start-end)	24 October 2016
	Location	Brussels
	Objective	Meeting up with AGE experts of both task force to present the DOREMI project and video and discuss about its products
	Target audience	Older people as final users and their organisations
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Presentation of the project and its video, display of the DOREMI flyer, discussion about its products
	Participating partners	AGE
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	Useful feedback have been provided the following day, during the DOREMI final conference, in order to improve such products (e.g. including the time of sleep, the need for drinking water, the issue of dexterity, ...)
	Publishable summary for DOREMI website	n.a.
	Useful for exploitation (Yes/No)	Yes, potentially, with respect to the improvement of some features of the products

Partner	Activities	
AGE	Event title	DOREMI final conference
	Website	https://ec.europa.eu/digital-single-market/en/news/doremi-project-final-conference https://www.cnr.it/it/evento/14728/the-doremi-final-conference and many more, including AGE website
	Date (start-end)	25 October 2016
	Location	Brussels

	Objective	Meeting up with AGE experts of both task force to present the DOREMI project and video and discuss about its products
	Target audience	Researchers, developers and business representatives, policy makers and older people as final users and their organisations
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Presentation of the project, display of the DOREMI last newsletter, discussion about its products with potential final users
	Participating partners	The whole DOREMI consortium
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	Useful feedback have been provided by potential users, in order to improve such products (e.g. including the time of sleep, the need for drinking water, the issue of dexterity, ...). Links with similar initiatives, such as NU-AGE and PERSSILAA have also been highlighted.
	Publishable summary for DOREMI website	<p>After 3 years of activities, Doremi products have started to orchestrate active ageing and two trials have been completed. It is now time to share with stakeholders and the general audience what the project has achieved and what its legacy will be.</p> <p>The Doremi Final Conference will highlight the approach implemented to support older people's independent living in the field of nutrition, physical and cognitive activity: it will provide an overview of the Doremi environment and its tools, the feedback of a 85-year old tester from the UK pilot site, health professionals and private companies on the exploitation and commercialization of the Doremi solutions.</p> <p>The participants played cognitive games, exercising, monitoring their diet and forming great social circles. The Doremi solutions have been excellent for the residents in UK as it formed friendships in a group of residents who otherwise might not have got the chance, while encouraging a healthy lifestyle and active mind. The cognitive games have been very well received by the participants, with many of them playing as often as they</p>

		<p>can and growing attached the dog avatar! While some of the residents were quite skeptical of the tablet and the apps at first, with some training, they soon became proficient and were using it not just for the project, but also for their own enjoyment. The system, however, needs to face the reduced lct alphabetization of older people, which is rather prevalent among Mediterranean countries.</p> <p>It is important to point out that in the B2B market clients are mostly regional healthcare services and hospitals or private hospitals, who rely on cost-effectiveness paradigms and are</p> <p>often reluctant and slow in introducing changes. On the other hand, in a B2C model where the final clients are end-users (older people or caregivers), it might be possible to find early adopters but the margins are lower there.</p>
	Useful for exploitation (Yes/No)	Yes, potentially, with respect to the improvement of some features of the products and joint venture with NU-AGE and PERSSILAA.

Publications

AGE has not published scientific papers, but was responsible of the project newsletters, the introductory video, the flyer and a set of web-articles, whose details have been provided in the section of the final report devoted to dissemination and exploitation.

5.10 SI4LIFE

Conferences, exhibitions, workshops, seminars

Partner	Activities	
	Event title	<i>"La ricerca che crea innovazione per un futuro sostenibile"</i>
	Website	http://www.ticass.it/index.php?option=com_docman&task=cat_view&gid=161&Itemid=44&lang=it
	Date (start-end)	20 02 2015

	Location	Palazzo Ducale, Genova
	Objective	Disseminates, transfers and enhances research and technology transfer with particular attention to sustainable development and the Quality of Life.
	Target audience	Policy Makers, End users and Research and Innovation clusters.
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Conference Poster: DOREMI "Decrease of cognitive decline, malnutrition and sedentariness by elderly empowerment in lifestyle Management and social Inclusion"
	Participating partners	SI4LIFE
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	"Three years of commitment to research and technology transfer in Liguria. Many people, companies, university institutions, institutions have participated in the work referred TICASS has promoted. Have been analyzed the results, to discuss the effectiveness of the actions and design the future of research at the regional level, in the context of the national framework and on the new European just begun. The meeting was also an opportunity for a discussion and an exchange active and constructive on the state of research and innovation for the benefit of our businesses and the future of our society and sustainable as possible, on the internationalization and enhancement of research and represents the first stage of a journey that the ICE is building together with Innovation Poles Italian. The meeting also gave space to reflect on the knowledge and prevention of health risks. "
	Publishable summary for DOREMI website	
	Useful for exploitation (Yes/No)	YES

Partner	Activities	
	Event title	EIP AHA - Action Group A3 Prevention of functional

		decline and frailty
	Website	https://ec.europa.eu/eip/ageing/home_en
	Date (start-end)	25/01/2016
	Location	Brussels
	Objective	The Action Group A3 brings together around 100 organizations, among which public health authorities, care organisations, academia, research centers, industries, patients associations and professional bodies, which have committed themselves to the objectives of understanding the underlying factors of frailty, exploring the association between frailty and adverse health outcomes in older people and better preventing and managing the frailty syndrome and its consequences.
	Target audience	public health authorities, care organisations, academia, research centers, industries, patients associations and professional bodies
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Meeting
	Participating partners	SI4LIFE
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	It has been presented the progress status of the DOREMI project to the A3 partners.
	Publishable summary for DOREMI website	
	Useful for exploitation (Yes/No)	Yes

Partner	Activities	
	Event title	EIP AHA - Action Group A3 Prevention of functional

		decline and frailty
	Website	https://ec.europa.eu/eip/ageing/home_en
	Date (start-end)	29/06/2016
	Location	Luxemburg
	Objective	The Action Group A3 brings together around 100 organizations, among which public health authorities, care organisations, academia, research centers, industries, patients associations and professional bodies, which have committed themselves to the objectives of understanding the underlying factors of frailty, exploring the association between frailty and adverse health outcomes in older people and better preventing and managing the frailty syndrome and its consequences.
	Target audience	public health authorities, care organisations, academia, research centers, industries, patients associations and professional bodies
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Meeting
	Participating partners	SI4LIFE, AGE PLATFORM
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	It has been presented the progress status of the DOREMI project to the A3 partners.
	Publishable summary for DOREMI website	
	Useful for exploitation (Yes/No)	Yes

Publications

Partner	Activities	
SI4LIFE	Article publication title	Gamified cognitive training to prevent cognitive decline
	Authors	Musian D, Ascolese A,
	Journal/magazine/book title	<i>Handbook of Research on Holistic Perspectives in Gamification for Clinical Practice.</i>
	Field/sector	Gamified cognitive training
	Submission/acceptance date	2015
	Web URL	http://www.igi-global.com/chapter/gamification-and-health-literacy/137821
	Publication volume / issues/ day-month-year/ pages from-to	D. Novák, B. Tulu, & H. Brendryen (Eds.), (2015) Handbook of Research on Holistic Perspectives in Gamification for Clinical Practice. Hershey, PA: IGI Global
	Article description	<p>Due to the ageing population, cognitive decline is becoming a widespread problem that requires immediate and preventive intervention to avoid the transition to dementia and the associated consequences for the individual and for society. For these reasons, strategies and interventions to prevent and reduce progressive decline have attracted increasing attention in scientific community and wide population. Computer based cognitive training has been widely used and tested to maintain and improve the cognitive performance of older people engaging users in serious games. Typically, cognitive training packages also utilise gamification techniques to increase engagement. Although gamification can be a powerful motivator for people completing cognitive training, it could be overwhelming for people with cognitive impairments if designed poorly. The DOREMI project aims to design cognitive training games for older people with cognitive impairment, using a user-centered design process to ensure that the gamification tools used to motivate participation are effective, meaningful, and user-friendly.</p>
Target audience	Clinical experts	

	Participating partners	IMA, SI4life
	Publishable summary for DOREMI website	

Partner	Activities	
	Article publication title	The European Innovation Partnership on Active and Healthy Ageing Synergies: Protocol for a prospective observational study to measure the Impact of a Community-based Program on Prevention and Mitigation of Frailty (ICP – PMF) in community-dwelling older adults.
	Authors	Liotta G, Orfila F, Vollenbroek M, Roller-Winsberger R, Illario M, Musian D, Alvino S, O'Caomh R, Cano A, Molloy W, Iaccarino G, Paul C, Csonka P, Vince AC, Marazzi MC, Inzerilli MC, Madaro O, Menditto E, Maggio M, Scarcella P, Gilardi F, Lucaroni F, P Abete, V Girardi, R Barra, Palombi L
	Journal/magazine/book title	Journal of Translational Medicine
	Field/sector	Medicine
	Submission/acceptance date	Submission – September 2016
	Web URL	http://translational-medicine.biomedcentral.com/
	Publication volume / issues/ day-month-year/ pages from-to	UNDER REVIEW
	Article description	Aim of this paper is to describe the protocol of the study “Impact of a Community-based Program on Prevention and Mitigation of Frailty in community-dwelling older adults” developed in the framework of the European Innovation Partnership on Active and Healthy Ageing.

		<p>This proposal has been developed by the Partnership Action groups involved in the analysis of frailty, fall prevention and polypharmacy in older adults living in European Countries. The proposal wants to assess the impact of community-based programs aimed to counteract three main outcomes related to frailty: a) hospitalization; b) institutionalization; c) death. Bringing together researchers from seven European countries, the proposal aims to achieve the critical mass and the geographical extension enough to provide information useful to all older European citizens. An observational study will be carried out to calculate the incidence of the different outcomes in relation to the various interventions that will be assessed; results will be compared with data coming from already established data set at national, regional and local level using the observed/expected approach. The sample will be made up by at least 2000 citizens for each considered outcome. All the citizens will be assessed at the baseline with two multidimensional questionnaires: the RISC questionnaire and the Short Functional Geriatric Evaluation questionnaire. The outcomes will be assessed every six-twelve months</p>
	Target audience	Clinical experts
	Participating partners	SI4LIFE
	Publishable summary for DOREMI website	

5.11 ACCORD

No dissemination activities

5.12 UOC

Conferences, exhibitions, workshops, seminars

Partner	Activities	
	Event title	Meeting with BSA (public social care provider in Catalonia)

	Website	N.A.
	Date (start-end)	July 2016
	Location	Badalona (Spain)
	Objective	Explore exploitation opportunities
	Target audience	Public health sector
	Participation type (stand, symposium, seminar, oral presentation, press release, etc.)	Meeting with stakeholders
	Participating partners	UOC
	Report (event description, disseminating actions, presenters' perception of impact on participants, comments, feedback, etc.)	UOC had a meeting with Badalona Serveis Assistencials (BSA), a public health and social care provider, to inform them about the DOREMI solution, its different components, and the potential benefits for the elderly. In return, BSA shared their views on DOREMI exploitation, commented on its experiences in trials with similar solutions and explained its approach of seeking for innovation in the health and social care sector.
	Publishable summary for DOREMI website	
	Useful for exploitation (Yes/No)	Yes

Publications

Partner	Activities	
UOC	Article publication title	The UOC participates in a European research project on technological development to improve senior citizens' quality of life
	Authors	UOC
	Journal/magazine/book title	UOC website

Field/sector	ICT and ageing
Submission/acceptance date	10/05/2016
Web URL	http://transfer.rdi.uoc.edu/en/news/uoc-participates-european-research-project-technological-development-improve-senior-citizens
Publication volume / issues/ day-month-year/ pages from-to	N.A.
Article description	In order to promote the project on its website, UOC published an article when the technical meeting took place in its facilities, in which it explained the project's main goals. This was available in English, Catalan and Spanish. It was also published in the University twitter account as well as another activity from one of the partners.
Target audience	UOC students, research community and personnel. As well as UOC contacts. Both in Spain and in other countries in Europe and around the world.
Participating partners	UOC
Publishable summary for DOREMI website	

6. DOREMI synergies with other initiatives

AGE has operated as a connection between DOREMI and the campaign on age-friendly environments; the DOREMI solutions contribute to ease the live of seniors and improve its quality, thus taking into account the need for greater accessibility and reliability of the system, and working for a more friendly and suitable home environment.

AGE has moreover constantly updated the whole consortium on initiatives of potential interest for DOREMI and its partners, both at project level and at policy level. Although the coordinator directly worked with the EIP AHA, AGE also contributed to liaise with the Action Group A3 (Frailty) and D4 (Age-friendly environments), informing the key stakeholders about the project.

The synergy-creating opportunities are listed below.

- Accepted Membership to Action Group A3 (CNR-IFC);
- Collaboration within EIP-AHA (already active for AGE and UOC);
- DOREMI and PERSSILAA: an active collaboration was developed between these two projects focused on Balance board testing in PERSSILAA population. In June 2016, CNR-IFC specialists moved to Department of Translational Medical Sciences of Federico II Medical School (Naples, Italy) to assess balance in 30 subjects, included in PERSSILAA project (CNR-IFC);
- DOREMI and NU-AGE: the exchange of information on dietary pyramid in older and biomarkers had let to include NU-AGE project guidelines for healthy nutrition. Furthermore, Project Coordinator was invited to talk about DOREMI project and links with NU-AGE at the NU-AGE Final Conference in April 2016 (CNR-IFC)
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7. DOREMI newsletter plan

Although the DoW did not foresee a project newsletter, AGE proposed such a task to the coordinator, who accepted it. Since 2013 AGE has been able to issue #6 newsletters, highlighting the main results of the semester after having consulted the whole consortium. In 2015-2016, the following newsletters have been produced: [#3](#) June 2015, [#4](#) April 2016, [#5](#) June 2016 and [#6](#) October 2016. A last newsletter, [#7](#), has been published, at the end of October 2016, after the DOREMI conference. The newsletters included information on the main project achievements and other highlights derived from the information provided by the project partners.

8. DOREMI short video

During the first project meeting in Valencia, 2014, the coordinator suggested the idea to have a DOREMI video. However, the consortium had no financial resources to commit to that. AGE then proposed that it could have taken care of working on a video to be done with AGE in-house resources, meaning no technical staff/no professional in design and video making, and with the use of a freely available software (Movie Maker). It was then decided at the end of 2015 to proceed with such an idea of video. The final outcome, produced with the support of CNR, AIT, EXTRACARE, MYSPHERA and IMAGINARY, is available online in the DOREMI website, as well as [here](#)

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