

 SEVENTH FRAMEWORK PROGRAMME	Project Acronym: GiraffPlus Project Title: Combining social interaction and long term monitoring for promoting independent living Grant agreement no.: 288173 Starting date: 1st January 2012 Ending date: 31st December 2014
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D7.5

Second Report on the Dissemination Activities

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Deliverable Summary

This document summarizes the dissemination effort done in the GiraffPlus project. The dissemination strategy and the dissemination tools used throughout the project and the work conducted on each task. The evaluation of criteria for dissemination success is presented and finally a number of appendices show our connection to related projects, project press releases, brochures, newsletters and a non-public report on the media coverage after the European Commission's press release on May 5th 2014 which reports on one of the long term test sites of GiraffPlus from the perspective of the various users of the system: : http://europa.eu/rapid/press-release_IP-14-515_en.htm.

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1 Introduction

1.1 Scope of the document

The purpose of the second report on dissemination is to provide a summary on the dissemination activities conducted during the GiraffPlus project as well as to evaluate how they meet the evaluation criteria for success outlined in D7.3 Communication and Dissemination Plan.

1.2 Deliverable structure

The report provides detailed updates on the various outlined dissemination tools in D7.3 in Section 2. Section 1.3 and 1.4 outline the work package objectives and the tasks of work package 7. The dissemination strategy, Task 7.1, is presented in sections 2. Task 7.2 General Dissemination Activities and Task 7.3 Dissemination Activities Related to Test Sites is presented in Section 3 and 4 respectively. Task 7.4 which considered the dissemination materials is presented in Section 5. The evaluation of criteria of dissemination success for the GiraffPlus project dissemination that were outlined in D7.3 is presented in section 6. Appendix A shows our connection to related projects, Appendix B collects the press releases, Appendix C presents the brochures and Appendix D presents the newsletters. Finally, appended to the deliverable as administered to the European Commission, their report on the European Commission press release dated May 5th 2014 (http://europa.eu/rapid/press-release_IP-14-515_en.htm). This information is excluded in the projects public version of the deliverable by request of the commission.

Work package objectives

The general objective of the dissemination activities has been to provide awareness about the “to date” status of the GiraffPlus project and its outcomes, and about GiraffPlus ultimate goals.

A goal with all dissemination activities has been to create a strong awareness of the GiraffPlus project at a European Level in order to facilitate a widespread adoption of GiraffPlus results by a large community of related business users of strategic importance.

Overall, within this work package:

- The knowledge developed by the project would be efficiently communicated to the academic, industrial business, and general-public communities.
- Activities aiming to promote the awareness and, hence, the exploitation of the project’s results would be identified and pursued.
- Potential stakeholders would be identified, and promotion activities targeting communication of knowledge and potential industrial/business applications would be undertaken.

Collectively, dissemination activities would provide an exhibition window for GiraffPlus’ development WPs, making their outcomes known to a wide range of potentially interested parties, whilst also providing the necessary important assistance and promotion opportunities for the results from the exploitation and business aspects part of the project. In addition to the standard dissemination activities, the work plan of GiraffPlus required special dissemination tasks specifically relevant for the test-sites that were used in the project. First, the establishment of a test-site was facilitated by successful dissemination. Second, once a test-site was established they provided an occasion to promote the project in the media and interest organizations. Third, results from the evaluation needed to feedback to the relevant actors at a test-site which include the elderly, their family, and caregivers. In addition, the results from the evaluation were to be widely disseminated in the scientific community, relevant organizations and in the media.

All partners have been requested to participate to dissemination activities. The partners coordinating the test sites have also been the main responsible for dissemination activities and part of the group establishing the dissemination plan and strategy. This is because the test sites are central in the dissemination activities.

1.3 Task descriptions

The work in this work package can be divided into four tasks; dissemination strategy and plan, general dissemination activities, dissemination activities related to test sites and dissemination materials. The description of each task, as outlined in the description of work is as follows.

Task 7.1 Dissemination Strategy and Plan

First a dissemination strategy for the dissemination of the GiraffPlus results will be set up. This strategy will consist of a preliminary research that will identify project stakeholders and the appropriate dissemination activities that need to be followed for the project’s results effective communication. The Dissemination Plan, that will include the identified dissemination strategy, will communicate the status of every aspect of the GiraffPlus project to each constituency amongst the intended stakeholders. How in particular to include the test sides establishment and the results of the evaluations in the dissemination plan will be considered. The first step in the Dissemination Plan will be to determine the

communication needs for each stakeholder, and agreement will be reached on what is feasible to be accomplished. This will be considered under three main headings:

- Mandatory communication;
- Informational communication;
- Marketing communications.

For each stakeholder/objective, it will be brainstormed how to fulfil the communication need and what information stakeholders need to know, how often they need an update, and which is the best manner is to deliver the information. The dissemination plan will be ready by month 6.

Task 7.2 General dissemination activities

Making GiraffPlus's results widely known outside the consortium will be achieved by a number of different dissemination activities. These will include a careful selection of workshops, conferences, journal and scientific publications and internet exposure, while parties to be targeted will include private and public organizations, industries, academia and research institutions.

Overall, this task will coordinate the monitoring and participation in workshops on related areas for the presentation of GiraffPlus's results and achievements, as well as the submission and publication of consolidated results to selected journals and magazines. At the end of GiraffPlus project, the consortium will also organize and manage one final workshop dedicated to promote and give awareness to the project most significant results. Publications in external conferences and journals is used for reaching academics, researchers, manufacturers and system-integrators, and the consortium is committed to make full use of them.

A workshop will be organized at the end of the project to disseminate the result achieved.

Task 7.3 Dissemination activities related to test sites

As the long term handling of a test site presupposes a good relation with the community and especially elderly organizations, municipality and other organizations near the elderly, The project needs to be view positively in such organization and in general by the general public. The establishment of a test site can give occasion to contact with the press and good results and experiences in a test site should be spread in the web, via newsletter and via press releases. Results from the test sites will also be part of the scientific dissemination strategy which includes publishing in relevant journals and conferences.

Upon commencement of the project, the first step is to chart the relevant organizations in each partner country and inform them of the GiraffPlus project and its commencement. Brochures and information material is sent where contact information is provided at each partner country to accept candidate test sites. Test sites are selected on consensus with the partners and once the test site is underway a work plan is made for each site that describes how information will be disseminated with respect of the test site, in particular the following are planned: press releases, information in the web portal, information in the newsletters and distribution of access to the web portal to external persons involved at the test site. While test site is ongoing, there will be efforts made for people who are involved in test sites share their experiences on the web portal as well in the monthly newsletters. The evaluation will regularly produce results from each of the test sites and in the dissemination plan for the test sites it will be outlined how these results are disseminated

via press release, newsletters and direct information with the relevant organizations via seminars and workshops.

Task 7.4 Dissemination materials

Brochures, promotional/informational materials and multimedia dissemination materials (such as presentation CD-ROMs and DVDs) will be produced, having several levels of technical depth to target different types of intended audience. In addition, internet dissemination (such as the development of a web-site and the issuing of electronic newsletters) will allow a larger community of interested potential users to access GiraffPlus for longer times and to keep them informed about the project's aims and progression.

The web portal of the project will be available by month 4 and will be regularly updated during the project. It will contain updated information about the project, but also a special section for the test sites containing information material and exchanges of experiences.

A project brochure and a description of the project will be available by month 2 and promotional/informational materials and multimedia dissemination materials will be available by month 6. Press releases in Sweden, Spain, Italy and Portugal will be sent regularly and in particular month 1 of the project and month 18 and 30 in occasion of the fulfilling of the milestones. Project newsletters will be prepared and sent every 4 months from the start of the project. All this material will be included in the two reports on dissemination activities at month 18 and 36.

The work in this work package should result in five deliverables:

- D7.1 Brief project presentation in English: [month 2]
- D7.2 Project website: [month 4]
- D7.3 Dissemination plan: [month 6]
- D7.4 First report on the Dissemination Activities: [month 18]
- D7.5 Second report on the Dissemination Activities: [month 36]

This deliverable D.7.5 reports on the cumulative Dissemination activities in the project and measures its success against the Dissemination Plan outlined in M6 of the project.

2 Dissemination Strategy

The work on Task 7.1 resulted in a communication and dissemination plan. A number of key aspects and target groups were outlined in D7.3 – Communication and Dissemination plan. In the following, we report on how this has been achieved in the project.

- 1) To raise the awareness of the GiraffPlus objectives in the **EC-ICT Community** and to foster collaborations and exploit synergies between projects. => Appendix A: Connection to Related Projects outlines the collaborations.
- 2) The results on a technological and business level are communicated and promoted to the **industrial community** at regular basis. Dissemination events to stakeholders and industry are listed in Table 1.
- 3) To raise the overall awareness of the GiraffPlus project and partners to a **wider/general public** to local media and to announce the general objectives of the project. During the duration of this project, there have been three GiraffPlus press releases at the start of the project, M18 and in M29. => Appendix B: Press Releases includes the press releases from the start of the project, M18, and M29. The project has also been promoting the results when they are available using the website, Facebook, Twitter and YouTube.
- 4) The European Commission and EUs digital agenda produced a video showcasing one of the Italian test persons and a press release in M29. The English version of the European Commission Press release from May 5th is available at: http://europa.eu/rapid/press-release_IP-14-515_en.htm . Translations to French, German, Spanish, Italian, Swedish and Finish are also available at that link. Appended to this deliverable is the European Commission's non-public report on the EC Media coverage from 05/05/2014 to 20/05/2014 (data as of 21/05/2014). The video is available via the press release but also via our YouTube-channel: <http://youtube.com/giraffplus>.
- 5) As a result of the dissemination efforts and the spread of EU's press release, EU's digital agenda tweeting that GiraffPlus is the *greatest digital story of 2014* on December 23rd 2014.
- 6) To raise the awareness of the project with specific focus on how it impacts the field of health and care. => See Table 1, and 4) and 9) in this section.
- 7) To promote the project results to specific groups which include journalists and online forums. => See 3) and 4) on this page.
- 8) To disseminate the results to the **scientific community**. => Dissemination events directed towards academia are listed in Table 1. Additionally, the scientific publications are presented in Section 3.1.

- 9) To further raise the awareness to a general public, GiraffPlus and ISA Intellicare organized a dissemination event at the University of Coimbra, Portugal on May 26th 2014. Among the audience were end users, formal and informal caregivers, ICT developers, regulators and opinion makers, media and GiraffPlus team members. They were provided with information about the project, its' current status, evaluations with users and exploitation. Demos of the GiraffPlus system were made and several in the audience took the chance to interact with an Italian test site while connected via a Giraff robot. *A similar event is planned to be hosted in Rome, Italy in conjunction with the final review of the project. Additionally, GiraffPlus will be exhibiting on the European summit on Active and Healthy ageing in Brussels on March 9th and 10th 2015.*
- 10) GiraffPlus has also been invited to give a number of talks at key local and international events. Such events include the RO-MAN 2014 conference (<http://rehabilitationrobotics.net/ro-man14/>) and its workshop on service robotics, Other notable dissemination results include an award at the "Nostalgia di Futuro" event in the category "Innovation in Services for People" in Rome 2014. Furthermore, CNR-ISTC and CNR-ISTI co organized the workshop: First Italian Workshop on Artificial Intelligence for Ambient Assisted Living AI*AALIT 2014 on December 12th 2014 in Pisa, Italy <http://aiia2014.di.unipi.it/aal/>). This workshop was sponsored by GiraffPlus and the other members of the consortium were also in the Program Committee. Additionally, CNR has represented the project in the framework of a traveling exhibition called "Italia del futuro" ("the future of Italy") (see <http://www.italiadelfuturo.cnr.it/>) which was presented in 3 EU capitals from June to December 2014.

3 General Dissemination Activities

Overall, Task 7.2 General dissemination activities has been a coordinated effort of monitoring and participating in workshops on related areas for the presentation of GiraffPlus results and achievements as well as the submission and publication of consolidated results to selected journals and management. Additionally, within this task, a workshop should be organized at the end of the project to disseminate the results achieved.

This section reports on the scientific articles produced throughout the project, how the GiraffPlus project contributes to standards and on workshop activities conducted to disseminate the results achieved within the project. Finally, this section reports on the participation in external conferences and events, on the web and in books.

3.1 Articles

A number of articles have been accepted for journals and conferences during the course of the project. These are outlined below. Additional papers which are currently under review have been submitted to journals and conferences. Hyperlinks are embedded in this document to allow access to the published work.

2015

F. Potorti, F. Palumbo

CEO: a Context Event Only indoor localization technique for AAL

To appear in Journal of Ambient Intelligence and Smart Environments. [\[pdf\]](#)

R. De Benedictis, A. Cesta, L. Coraci, G. Cortellessa, A. Orlandini

Adaptive Reminders in an Ambient Assisted Living Environment

To appear at Ambient Assisted Living: Italian Forum 2014.

Springer Book. Ambient Assisted Living Series.

P. Barsocchi, G. Bernardi, A. Cesta, L. Coraci, G. Cortellessa, R. De Benedictis, F. Furfari, A. Orlandini, F. Palumbo, A. Stimec

User-oriented services based on sensor data

To appear at Ambient Assisted Living: Italian Forum 2014.

Springer Book. Ambient Assisted Living Series.

M. Jaimez, J.L. Blanco, J. Gonzalez-Jimenez.

"Efficient Reactive Navigation with Exact Collision Determination for 3D Robot Shapes". International Journal of Advanced Robotic Systems. To appear 2015.

2014

R. De Benedictis, A. Cesta, L. Coraci, G. Cortellessa, A. Orlandini

A User-adaptive Reminding Service

Series Ambient Intelligence and Smart Environments. Volume 18: Workshop Proceedings of the 10th International Conference on Intelligent Environments, pp. 16-27, 2014.

DOI 10.3233/978-1-61499-411-4-16

IOS Press.

U. Ullberg, A. Loutfi, F. Pecora

A Customizable Approach for Monitoring Activities of Elderly Users in their Homes

In ICPR workshop on Activity Monitoring by Multiple Distributed Sensing (AMMDS), 2014 [\[pdf\]](#)

B. Östlund, E. Olander, O. Jonsson, S. Frennert

STS-inspired design to meet the challenges of modern aging. Welfare technology as a tool to promote user driven innovations or another way to keep older users hostage?

To appear in Technological Forecasting and Social Change. Available online 2 June 2014, DOI:

doi:10.1016/j.techfore.2014.04.012 [\[pdf\]](#)

S. Frennert, B. Östlund

Domestication of a telehealthcare system

Other presentations in ISG2014, The 9th World Conference of Gerontechnology (ISG 2014) in Taipei, Taiwan

June 18-21, 2014. In Gerontechnology 13(2):197, 2014. [\[pdf\]](#)

S. Frennert, B. Östlund

Review: Seven Matters of Concern of Social Robots and Older People

In International Journal of Social Robotics Volume 6(2):299-310, 2014, DOI:10.1007/s12369-013-0225-8. [\[pdf\]](#)

F. Palumbo, P. Barsocchi

SALT: Source-Agnostic Localization Technique based on context data from Binary Sensor Networks

European Conference on Ambient Intelligence (AmI 14), Eindhoven, The Netherlands.

P. Barsocchi, E. Ferro, F. Palumbo, F. Potorti

Smart meter led probe for real-time appliance load monitoring

To appear in SENSORS, 2014 IEEE, Valencia, Spain. [\[pdf\]](#)

S. Coradeschi, A. Cesta, G. Cortellessa, L. Coraci, C. Galindo, J. Gonzalez, L. Karlsson, A. Forsberg, S. Frennert, F. Furfari, A. Loutfi, A. Orlandini, F. Palumbo, F. Pecora, S. von Rump, A. Stimec, J. Ullberg, B. Östlund

GiraffPlus: A System for Monitoring Activities and Physiological Parameters and Promoting Social Interaction for Elderly

In Human-Computer Systems Interaction: Backgrounds and Applications 3 Advances in Intelligent Systems and

Computing Volume 300:261-271, DOI:10.1007/978-3-319-08491-6_22

F. Palumbo, D. La Rosa, S. Chessa

GP-m: Mobile middleware infrastructure for Ambient Assisted Living

Computers and Communication (ISCC), 2014 IEEE Symposium on (Volume:Workshops), Madeira, Portugal, pp.

1-6, DOI:10.1109/ISCC.2014.6912623 [\[pdf\]](#)

P. Barsocchi, E. Ferro, L. Fortunati, F. Mavilia, F. Palumbo

EMS@CNR: An Energy monitoring sensor network infrastructure for in-building location-based services

In Proceedings of High Performance Computing & Simulation (HPCS), 2014 International Conference on, Bologna,

Italy, pp. 857-862, DOI:10.1109/HPCSim.2014.6903779 [\[pdf\]](#)

G. Koshmak, M. Linden, A. Loutfi

Dynamic Bayesian Networks for Context-Aware Fall Risk Assessment

In Sensors Vol. 14(5):9330-9347, 2014. DOI:10.3390/s140509330 [\[pdf\]](#)

This article belongs to the Special Issue Ambient Assisted Living (AAL): Sensors, Architectures and Applications

F. Palumbo, J. Ullberg, A. Stimec, F. Furfari, L. Karlsson, S. Coradeschi

Sensor Network Infrastructure for a Home Care Monitoring System

In Sensors Vol. 14(3):9330-9347, 2014. DOI:10.3390/s140303833 [\[pdf\]](#)

This article belongs to the Special Issue Ambient Assisted Living (AAL): Sensors, Architectures and Applications

R. De Benedictis, A. Cesta, L. Coraci, G. Cortellessa, A. Orlandini

Adaptive Reminders in an Ambient Assisted Living Environment

In Proceedings of the Fifth Italian Forum on Ambient Assisted Living (AAL 2014), Catania, Italy [\[pdf\]](#)

P. Barsocchi, G. Bernardi, A. Cesta, L. Coraci, G. Cortellessa, R. De Benedictis, F. Furfari, A. Orlandini, F. Palumbo, A. Stimec

Sensor-Based AAL Services for Active and Healthy Ageing

In Proceedings of the Fifth Italian Forum on Ambient Assisted Living (AAL 2014), Catania, Italy [\[pdf\]](#)

2013

S. Frennert

Older People and the Adoption of Innovations - A study of the expectations on the use of social assistive robots and telehealthcare systems

Licenciate thesis, Lund university, 2013, ISBN: 978-91-980817-3-2. [\[pdf\]](#)

M. Girolami, F. Palumbo, F. Furfari, S. Chessa

The Integration of ZigBee with the GiraffPlus Robotic Framework

To appear at the 2nd International Workshop of Adaptive Robotic Ecologies (ARE'13) in conjunction with the Fourth International Joint Conference on Ambient Intelligence (AmI-2013), Dublin, Ireland, 2013

L. S. d.C. Silva-López, and M. Broxvall

Empirical Methods for Evaluating Properties of Configuration Planning Algorithms

The 2nd International Workshop of Adaptive Robotic Ecologies (ARE'13) in conjunction with the Fourth International Joint Conference on Ambient Intelligence (AmI-2013), Dublin, Ireland, 2013

L. S. d.C. Silva-López, J. Ullberg, and L. Karlsson

On Combining a Context Recognition System and a Configuration Planner for Personalized Ambient Assisted Living

The doctoral symposium of the Fourth International Joint Conference on Ambient Intelligence (AmI-13), Dublin, Ireland, 2013

A. Cesta, L. Coraci, G. Cortellessa, R. D. Benedictis, F. Furfari, A. Orlandini, F. Palumbo, and A. Stimec

From Sensor Data to User Services in GiraffPlus

Fourth Italian Forum on Ambient Assisted Living (AAL 2013), Ancona, Italy

S. Longhi et al. (eds.), Ambient Assisted Living, DOI: 10.1007/978-3-319-01119-6_28, 269 Springer. 2014

A. Orlandini, A. Cesta, G. Cortellessa, R. D. Benedictis, L. Coraci, F. Palumbo, A. Stimec

End-to-End Personalized AAL Services for Elderly with Chronic Conditions

Poster presentation during the "Living with Chronic Conditions" session at AAL Forum 2013, Norrköping, Sweden [\[link\]](#)

S. A. Frennert, A. Forsberg, B. Östlund

Elderly People's Perceptions of a Telehealthcare System: Relative Advantage, Compability, Complexity and Observability

In Journal of Technology of Human Services, Vol 31(3):218-237, 2013.

DOI:10.1080/15228835.2013.814557 [\[pdf\]](#)

J. Gonzalez-Jimenez, C. Galindo, F. Melendez-Fernandez, J.R. Ruiz-Sarmiento

Building and Exploiting Maps in a Telepresence Robotic Application

In proceedings of 10th International Conference on Informatics in Control, Automation and Robotics (ICINCO), Reykjavic, Iceland, 2013. [\[pdf\]](#)

J. Gonzalez-Jimenez, J.R. Ruiz-Sarmiento, C. Galindo

Improving 2D Reactive Navigators with Kinect

In proceedings of 10th International Conference on Informatics in Control, Automation and Robotics (ICINCO), Reykjavic, Iceland, 2013. [\[pdf\]](#)

A. Cesta, L. Coraci, G. Cortellessa, R. De Benedictis, A. Orlandini, F. Palumbo and A. Stimec

Steps Toward End-to-End Personalized AAL Services

DOI 10.3233/978-1-61499-286-8-78 Series Ambient Intelligence and Smart Environments 8th Workshop on Artificial Intelligence Techniques for Ambient Intelligence (AITAmI'13), pp. 78-89, Athens, Greece, 2013. [\[pdf\]](#)

G. A. Koshmak, M. Linden and A. Loutfi*Evaluation of the Android-Based Fall Detection System with Physiological Data Monitoring*Proceedings of the 35th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC'13) Osaka, Japan [[pdf](#)]**F. Palumbo, P. Barsocchi, F. Furfari, and E. Ferro***AAL Middleware Infrastructure for Green Bed Activity Monitoring*In Journal of Sensors, Vol 2013, Article ID 510126, 15 pages, 2013. DOI:10.1155/2013/510126 [[pdf](#)]**S. Coradeschi, A. Cesta, G. Cortellessa, L. Coraci, J. Gonzalez, L. Karlsson, F. Furfari, A. Loutfi, A. Orlandini, F. Palumbo, F. Pecora, S. von Rump, A. Štimec, J. Ullberg and B. Östlund***GiraffPlus: Combining Social Interaction and Long Term Monitoring for Promoting Independent Living.*In Proceedings of the 6th International Conference on Human System Interaction (HSI 2013), pp. 578-585, Gdansk, Poland, June 2013. [[pdf](#)]

DOI 10.1109/HSI.2013.6577883 IEEE. 2013

2012**S. Coradeschi***GiraffPlus: Combining Social Interaction and Long Term Monitoring for Promoting Independent Living. (Abstract)*

In Proceedings of Medicinteknikdagarna 2012, Lund, Sweden, October 2012.

G. Koshmak, M. Ekström and M. Lindén*A Smart-phone Based Monitoring System with Health Device Profile.(Abstract)*

In Proceedings of Medicinteknikdagarna 2012, Lund, Sweden, October 2012.

S. Frennert, B. Östlund and H. Efring*Would Granny Let an Assistive Robot into Her Home?*

In proceedings of the 4th International Conference on Social Robotics (ICSR 2012), pp. 128-137, Chengdu, China, October 29-31, 2012.

S. Coradeschi, A. Loutfi, A. Kristoffersson and A. Wärn*GiraffPlus: Social integration i kombination med långsiktig bevakning för att främja ett självständigt liv.(Abstract)*

In Proceedings of Vårdforskningens dag 2012, Örebro, Sweden, November 2012.

M. Lidskog, L. Almquist, A. Forsberg, C. Fredriksson, I. Pettersson and H. Tholin*Tidig upptäckt av risk för ohälsa och behov av stöd hos äldre personer, vilka faktorer är viktiga att uppmärksamma?(Abstract)*

In Proceedings of Vårdforskningens dag 2012, Örebro, Sweden, November 2012.

J. Ullberg and F. Pecora*Propagating Temporal Constraints on Sets of Intervals.*

In ICAPS Workshop on Planning and Scheduling with Timelines (PSTL), 2012.

A. Cesta, G. Cortellessa, F. Fracasso, A. Orlandini and M. Turno*Monitoraggio ed Interazione per l'assistenza. Analisi dei requisiti utente nel progetto GiraffPlus.*

In "AAL in Italia - Primo Libro Bianco" pp. 89-94, tgbook editore, 2012.

Under review**Lia Susana d. C. Silva-Lopez, Mathias Broxvall, Amy Loutfi and Lars Karlsson***A partial-order configuration planner with local information heuristics for generating configurations of devices in robotic ecologies*

Journal of Ambient Intelligence and Smart Environments

Lia Susana d.C. Silva-Lopez* · Mathias Broxvall · Amy Loutfi · Lars Karlsson*Towards Configuration Planning with partially ordered preferences: representation and results*

Kunstliche Intelligenz

Jonas Ullberg, Amy Loutfi, Federico Pecora
A Context Recognition Toolset for Elder Care
International Journal on Artificial Intelligence Tools

3.2 Contribution to Standards

It has been the aim of the project to allow plug-and-play use of sensors/actuators and other equipment which is already available on the market. Our objective has been to design and develop a system compliant to the results of the most promising research projects in the field and to be UniversAAL compliant.

GiraffPlus sponsored the 2nd EvAAL Competition (Evaluating AAL Systems through Competitive Benchmarking) by offering to pay the registration cost at AAL Forum in Eindhoven, Netherlands for participants where the award ceremony took place. As a result, the GiraffPlus logo was made visible during the AAL Forum. The main objective of the competitions organized by EvAAL is to enable the comparison of different Ambient Assisted Living solutions, by establishing suitable benchmarks and evaluation metrics. EvAAL aims at the evaluation of complete AAL systems.

The GiraffPlus consortium has been accepted as an associate member of "Prevention of Falls Network for Dissemination" (ProFouND), call ICT PSP (CIP-ICT-PSP-2012-6, Objective 3.4: Fall Prevention Network for Older People) with an official start date of 01/03/2013

GiraffPlus has signed a protocol for collaboration with the AgeingWell Thematic Network (<http://www.ict-ageingwell.net/>). The collaboration is aiming at enhancing dissemination activities of both projects by sharing and informing about project progress and results, relevant public events that the projects are organising and sharing and inform about ICT4Ageing fields. The AgeingWell Thematic Network is co-funded by the European Commission, Information Society and Media Directorate-General, under the ICT Policy Support Programme (ICT PSP) as part of the Competitiveness and Innovation Framework Programme.

As a result of the participation in events organized by the European Innovation Partnership on Active and Healthy Ageing (EIP-AHA) at the European Commission in Brussels during 2012, a request for commitment was presented by ISTC-CNR for allowing the GiraffPlus consortium to join the EIP-AHA. The GiraffPlus project has now been invited to join "Action Group C2: Development of Interoperable Independent Living Solutions, Including Guidelines for Business Models". GiraffPlus was presented also in the action group meeting held in Brussels on 5th June 2013.

3.3 Workshop activities

To raise the awareness to a broad public GiraffPlus and ISA Intellicare organized a dissemination event at the University of Coimbra, Portugal on May 26th 2014. Among the audience were end users, formal and informal caregivers, ICT developers, regulators and opinion makers, media and GiraffPlus team members. They were provided with information about the project, its' current status, evaluations with users and exploitation. Demos of the GiraffPlus system were made and several in the audience took the chance to interact with an Italian test site while connected via a Giraff robot.

A similar event is planned to be hosted in Rome, Italy in conjunction with the final review of the project. Additionally, GiraffPlus will be exhibiting on the European summit on Active and Healthy ageing in Brussels on March 9th and 10th 2015.

CNR-ISTC and CNR-ISTI co-organized the First Italian Workshop on Artificial Intelligence for Ambient Assisted Living.

*AI*AAL.it 2014 <http://aiia2014.di.unipi.it/aal/> 12 December 2014 Pisa, Italy. During the panel of the workshop Gabriella Cortellessa from CNR-ISTC presented the GiraffPlus project. The workshop has been also sponsored by GiraffPlus.*

3.4 Participation in External Conferences and Events

Table 1 contains information about how the project has been represented at external conferences, events, on the web and in books. While D7.3 outlined a format (see Figure 1) for how events should be reported upon, the table requested for (D9.4 - Final Report of the project), has a different layout. Therefore, there is no record of the size of the audience for most dissemination activities conducted within the project. Please note that the activities listed for 2012 and 2013 are included also in D9.2 and D9.3 respectively.

Not listed in this table are activities such as:

- ULund spoke about the GiraffPlus project while giving lectures to university students
- Örebro University and Örebro City Council has spoken about the GiraffPlus project while showcasing the research and innovation apartment, Ängen, in Örebro Sweden. An activity which is conducted on a frequent basis to pensioner organizations, politicians and others and received over 900 visitors in 2014
- SAS has supervised a number of master thesis degrees under the scope of GiraffPlus.
- CNR-ISTC supervised a master thesis (May 2013) and a PhD program that partially is related to the GiraffPlus scope and that is expected to be delivered end of 2015.

Additionally, the spread of the EC Press release has not been easy to monitor. Therefore, the European Commission's non-public report on the EC Media coverage from 05/05/2014 to 20/05/2014 (data as of 21/05/2014) is appended to the non-public version of this deliverable.

Figure 1 Format for dissemination reporting as outlined in D7.3

Summary of dissemination activities to date (Date)	Place	Event Name	Target Audience	Scope	Partner Involved	Type of Participation
2012-04-03	Brussels	Concertation Meeting: EU funded ICT projects (FP7, AAL, CIP) on fall detection/prevention for elderly persons.	Institutions/Academic/Industrial	European	ISTC-CNR	speaker

Table 1 Dissemination Activities in the Project

LIST OF DISSEMINATION ACTIVITIES								
No.	Type of activities	Main leader	Title	Date/Period	Place	Type of Audience	Size of audience	Countries addressed
	Presentation	ISTC-CNR	Concertation Meeting: EU funded ICT projects (FP7, AAL, CIP) on fall detection/prevention for elderly persons.	2012-04-03	Brussels, Belgium	Institutions/Academic/Industrial	N/A	Europe
	Presentation, Conference	ULUND	Participatory Design Conference	2012-06-01	Copenhagen, Denmark	Academic	N/A	Europe
	Presentation, Conference	ULUND	Participatory Design Conference	2012-08-13/15	Roskilde, Denmark	Academic	N/A	Europe
	Video	UMA, SAS	The Spanish partners describe the GiraffPlus project in a promotional video.	2012-09-21	Malaga, Spain	General Public	N/A	Spain
	Presentation, Conference	ORU,MDH	Swedish Conference on Medical Technologies	2012-10-03	Lund, Sweden	Academic/Industrial	N/A	Sweden
	Presentation, Conference	ISTC, ASL RM/A	GiraffPlus Represented in Telemedicine Training Days in Rome	2012-10-27	Rome, Italy	Academic	N/A	Italy
	Other	SAS, ASL RM/A, CNR-ISTC	End User Representatives Provide Input on Visualization Services	2012-10-30	Rome, Italy	End-Users	N/A	Italy
	Presentation, Conference	CNR-ISTC	The GiraffPlus Project was Presented at the FORUM on Ambient Assisted Living	2012-11-07	Parma, Italy	All	N/A	Italy
	Presentation, Conference	GIRAFF	Eastern Sweden Chamber of Commerce Conference in Katrineholm	2012-11-08	Katrineholm, Sweden	Industrial	N/A	Sweden
	Presentation, Conference	GIRAFF	Rehabilitation Care Trends Conference, University of Southern Denmark	2012-11-13	Esbjerg, Denmark	End-Users	N/A	Denmark
	Presentation, Conference	ORU	The GiraffPlus Project was Presented on The Health Research Day	2012-11-14	Örebro, Sweden	Academic/End User Organizations	N/A	Sweden
	Presentation, Workshop	GIRAFF	AAU Robotics Workshop @ Aalborg University	2012-11-15	Aalborg, Denmark	Academic/Industrial/End-Users	N/A	Denmark
	Presentation	GIRAFF	IRBC Conference 2012	2012-11-29	Helsinki, Finland	Academic/Industrial/End-Users	N/A	Finland

	Web	GIRAFF	Robotdalen Giraff- a mobile solution for the home	2012	Web	All	Web	International
	Web	MDH	Novamedtech GiraffPlus Project – Project Description and Link on Front Page (Fall 2012) http://www.novamedtech.se	2012	Web	All	Web	Sweden
	Other	ORU	Party leader for Social Democrats in Sweden (prospective Prime Minister) is told about GiraffPlus via a special visit to Ängen. Receiving a lot of media attention. http://www.sisp.se/nyheter/2012/stefan-l%C3%B6fven-bes%C3%B6kte-%C3%B6rebro-science-park-och-inkubera	2012-15-06	Örebro, Sweden	All	N/A	Sweden
	Article	GIRAFF	GIRAFFrobot featured in “10 robots that could change healthcare”. IW healthcare article. http://m.iwhealthcare.com/135368/show/50bbce2476f12345bf4cc48e5b5469ce&t=esvg7ocahfaj2dg4c0vtfa3cf0	2012-12-07	Web	All	Web	International
	Other	ASL RM/A	Una notte senza luna. Manuale di base per l'orientamento degli operatori psicogeriatrici (A moonless night. Basic textbook for psychogeriatrics operators) Second edition. A paragraph in the textbook “New perspectives for the aging and live independently: the project GiraffPlus”.	2013	Book	Academic	N/A	Italy
	Other	ULUND	A paragraph is dedicated to GiraffPlus in “Teknik, IT och åldrande : hur fungerar det för patienter, omsorgstagare och äldre medborgare?”.	2013	Book	All	N/A	Sweden
	Presentation	CNR-ISTC	19 French students and 2	2013-01-14	Rome, Italy	Academic	21	France

			professors have been visiting CNR-ISTC in Rome, Italy. During the visit, the overall GiraffPlus project has been presented.					
	Presentation, Conference	GIRAFF	Attended regional conference on welfare technologies in eldercare, organized by the Swedish Institute of Assistive Technologies.	2013-01-23	Västerås, Sweden	Stakeholders	N/A	Regional
	Presentation, Conference	GIRAFF	Attended regional conference on welfare technologies in eldercare organized by the Swedish Institute of Assistive Technologies.	2013-02-07	Gothenburg, Sweden	Stakeholders	N/A	Sweden
	Article	Intellicare	ISA desenvolve solução de tele saúde para robot sueco (Aicep) [Download (pdf)]	2013-02-13	Article	All	N/A	Portugal
	Article	Intellicare	ISA desenvolve solução de tele saúde para robot sueco (DC Saúde) [Download (pdf)]	2013-02-14	Article	All	N/A	Portugal
	Other	ORU	Sweden's Minister for Children and the Elderly, Maria Larsson, visited the Ången apartment. Amy Loutfi presented the research and development of the GiraffPlus system.	2013-02-20	Örebro, Sweden	Stakeholders	N/A	Sweden
	Presentation, Conference	GIRAFF	Attended regional welfare conference on welfare technologies in eldercare organized by the Swedish Institute of Assistive Technologies	2013-02-20	Umeå, Sweden	Stakeholders	N/A	Sweden
	Presentation, Conference	Intellicare	António Damasceno presented the GiraffPlus project in congress of the Ageing@Coimbra initiative.	2013-03-08/09	Coimbra, Portugal	Academy, SME, Caregivers, Organizations	N/A	Regional
	Presentation, Conference	CNR-ISTC	Andrea Orlandini attended the ProFouND Kick Off Meeting and presented the GiraffPlus project highlighting the connections with Falls Prevention issues	2013-03-25/26	Manchester, U.K.	Stakeholders, Institutions/Academic/Industrial	N/A	U.K.
	Presentation, Exhibition	ORU	At UniversAAL Open Day, Andrey Kiselev gave an introduction to	2013-04-11	Vienna, Austria	Academic and Stakeholders	N/A	Austria

			GiraffPlus mostly focusing on motivation and objects of the project and the results achieved during the first year. Of particular interest in the discussion was the collaboration and competition between UniversAAL and GiraffPlus.					
	Presentation	ORU	Annica Kristoffersson talked about the process of gathering user requirements at a seminar on usability	2013-04-16	Karlskoga, Sweden	Industry	20	Sweden
	Conference	ULUND	Conference Advanced Home Care 2025: Communications with Life Science Foresight Institute, Sweden	2013-04-25	Lund, Sweden	Industry and Academic Stakeholders	N/A	Sweden
	Presentation	Örebro Municipality	As a result of the user evaluation group in Sweden, Lena Almquist and Malin Nilsson were invited to talk about development of new information and communication technologies, welfare technology, challenges with an ageing population and ongoing work in the project.	2013-04-30	Örebro, Sweden	End users	N/A	Local
	Presentation, Exhibition	CNR-ISTC	Amedeo Cesta provides an invited talk at the special session "Smart Living and Ageing: Assistive Networks, Homes and Objects" at PTE Expo. The project was also visible during the exhibit.	2013-05-14/16	Bologna, Italy	Academic, Industry, Stakeholders, End-users	N/A	Italy
	Article	CNR-ISTC	The Robot and the GiraffPlus concepts were included in an article related to the PTE EXPO event published on "Resto del Carlino" newspaper, the main newspaper in the Bologna area.	2013-05-16	Article	Academic, Industry, Stakeholders, End-users	N/A	Italy
	Presentation, Conference	Intellicare	António Damasceno talked about the project at a telemedicine	2013-05-17	Coimbra, Portugal	Academy/Industry	N/A	Portugal

			conference.					
	Other	ASL RM/A	GiraffPlus has been introduced by Marcello Turno to psychology students (of the psychogeriatric course) of the Lumsa university in Rome. The short film performed in Ången has been shown together with others. The debate has generated interesting remarks and criticality.	2013-05-16/17	Rome, Italy	Academic	N/A	Local
	Presentation, Conference	GIRAFF	Stephen von Rump presented the GiraffPlus system at the “Innovative Proposals for an Efficient Elderly Care” conference. The event, aims to increase awareness and visibility of Swedish solutions among care providers, key opinion leaders and decision makers on the German market.	2013-05-29	Berlin, Germany	Stakeholders	N/A	Germany
	Exhibition, Presentation	CNR-ISTC	Andrea Orlandini attended the C2 Action Group “Action Group C2: Development of interoperable independent living solutions, including guidelines for business models” of the European Innovation Partnership on Active and Healthy Ageing.	2013-06-05	Brussels, Belgium	Stakeholders, European Commission	N/A	Europe
	Presentation, Conference	Consortium	Stephen von Rump presented a GiraffPlus system overview paper at HSI 2013 (the 6 th International Conference on Human System Interaction).	2013-06-07	Gdansk, Poland	Academia	N/A	Poland
	Presentation, Exhibition	GIRAFF	Stephen von Rump spoke about and exhibited GIRAFF and the GiraffPlus project.	2013-06-17	Oslo, Norway	Academy, Stakeholders	N/A	Norway
	Web (blog)	XLAB	XLAB and partners join forces. http://www.xlab.si/category/blog/page/11/	2013-08-20	XLAB / Blog	Industry	Web	International

	Presentation, Conference	GIRAFF	Stephen Von Rump presented the GiraffPlus service concept and vision at the "Sweden Stairway Conference." This event was organized in part by the SKL, the Swedish municipality and country organization, and was attended by AAL product and service providers in Sweden. Its purpose was to discuss ideas for promoting AAL solutions and to identify synergies between suppliers, especially in developing integrated solutions such as GiraffPlus.	2013-08-23	Västerås, Sweden	Stakeholders and industry	N/A	Sweden
	Conference	ULUND	EU SSH in Horizon2020	2013-09- 22,24	Vilnius, Lithuania	Social Science and Humanities (SSH)	N/A	Europe
	Workshop, Presentation	GIRAFF	AAL Workshop "Practical experiences in commercializing innovation in the AAL market"	2013-09-23	Norrköping, Sweden	Industry, Stakeholders	N/A	International
	Presentation	GIRAFF	Future of Robotics in Elderly Care, AAL FORUm	2013-09-26	Norrköping, Sweden	Industry, Stakeholders, Academia	N/A	International
	Presentation	Intellicare	Clustering Event Ambient Intelligence Advanced Technologies in Support of Healthcare and Assisted Living	2013-09-26-27	Heraklion, Greece	Participants in 25 EU funds projects on AAL	N/A	Europe
	Presentation	GIRAFF	Swedish Dementia Conference	2013-10-02	Uppsala, Sweden	Stakeholders, End users	N/A	Regional
	Presentation, Conference	Örebro Municipality	Presentation and demonstration at The Elderly Festival.	2013-10-05	Örebro, Sweden	Health care professionals users, stakeholders	N/A	Sweden
	Conference, Presentation	GIRAFF	Elderly care technology conference "Teknik- och hjälpmedelsmässan".	2013-10-09	Norrtälje, Sweden	Stakeholders, End users	N/A	Regional
	Presentation, Exhibition	CNR-ISTC	The 2nd edition of the Smart City Exhibition.	2013-10-16/18	Bologna, Italy	Academia, industry, stakeholders	N/A	International
	Presentation	SAS	IV Innovation Seminar: "Active	2013-10-17	Sevilla, Spain	Health care	N/A	Spain

			Ageing and Healthy Lifestyle"			professionals, industry		
	Presentation	GIRAFF	Presentation and demonstration at Poland National Elderly Care Conference	2013-10-18	Warsaw, Poland	Stakeholders, Industry, End users	N/A	Poland
	Presentation	CNR-ISTC	Project presentation and demo at the Italian FORUm on Ambient Assisted Living	2013-10-23/25	Ancona, Italy	Italian Academia, Industry, Stakeholders	N/A	Italy
	Exhibition	GIRAFF	"Äldremässan" elderly care exhibition	2013-10-25	Motala, Sweden	Stakeholders, End users	N/A	Regional
	Presentation, Workshop	GIRAFF	Presentation at AAL Commercial Workshop.	2013-11-05	Vienna, Austria	Academia, Stakeholders, Industry	N/A	International
	Presentation	GIRAFF, CNR-ISTC	Project presentation and demonstration at ICT 2013	2013-11-06/08	Vilnius, Lithuania	Industry, academia, researchers, stakeholders	N/A	Europe
	Presentation	GIRAFF	Presentation at ICT Commercial Workshop "Adaptive intelligent spaces for integral care and wellbeing"	2013-11-07	Vilnius, Lithuania	Academia, Industry, Stakeholders	N/A	International
	Presentation	ORU	"Dataföreningen Västra Kretsen" (a computer association)	2013-11-12	Gothenburg, Sweden	Computer association members	N/A	Sweden
	Conference, Presentation	SAS	Project presentation and Round Table at the 18th Congress of the Andalusia Society for Quality Healthcare	2013-11-21	Granada, Spain	Academic (University) and SAS management	N/A	Spain
	Conference	CNR-ISTC	The 2nd Conference of Partners of European Innovation Partnership on Active and Healthy Ageing (EIP-AHA) .	2013-11-25	Brussels, Belgium	Academia, stakeholders, industry	N/A	Europe
	Presentation	ULUND	The Elderly Life Parliament (Äldrelevsparlamentet)	2013-12-05	Stockholm, Sweden	Academia, users, stakeholders	N/A	Sweden
	Presentation, Conference	GIRAFF	Presentation at the HEB Smart Home Conference	2013-12-05	San Antonio, USA	Stakeholders, Industry	N/A	U.S.
	Presentation	Intellicare	Opportunities and Challenges in H2020 in Research and Innovation at Faculty of Medicine of the	2013-12-12	Coimbra, Portugal	Principal Investigators and SME in the	N/A	Portugal

			University of Coimbra			Health and AAL domains		
	Presentation	ASL RM/A	Official Training day on: Caregiver for elderly and disables. In this context, there was the session: New assistive technology: the system GiraffPlus.	2013-12-12	Rome, Italy	Health care professional, stakeholders	N/A	Italy
	Presentation	Intellicare	Presentation of the GiraffPlus project and collaboration opportunities with Ageing@Coimbra network at University of Coimbra.	2014-01-24	Coimbra, Portugal	Ageing@Coimbra Board	N/A	Local
	Presentation	UMA	Seminar entitled "Robotic Telepresence: An emerging Quality of Life Technology" at Lincoln University, School of Computer Science.	2014-01-27	Lincoln, U.K.	Research funding agencies, researchers, and students	N/A	N/A
	Presentation	GIRAFF	FTTH Council of Europe Web Cast	2014-01-27	Sweden	FTTH Council Members and Users	500	Europe
	Article	N/A	Article under the heading "How Smart Tech Will Take Care of Grandma". "http://www.popularmechanics.com/science/health/med-tech/how-smart-tech-will-take-care-of-grandma-16455410" .	2014-02-04	U.S. newspaper "Popular Mechanics"	International	N/A	N/A
	Workshop, Presentation	CNR-ISTC	Presentation of GiraffPlus Telepresence Robot at the Workshop Robot Interface Design @ Scuola Politecnica dell'Università di Genova – Dipartimento di Scienze per l'Architettura	2014-02-11/13	Genova, Italy	Students, End-users, Researchers	N/A	Local
	Conference, Workshop	GIRAFF	FTTH Council of Europe Annual Conference	2014-02-18	Stockholm, Sweden	FTTH and users	25	N/A
	Conference	GIRAFF	FTTH Council of Europe Annual Conference	2014-02-20	Stockholm, Sweden	FTTH and users	200	N/A

	Web	SAS and UMA	A report about the GiraffPlus system and the users' experience in Spain http://www.ciencicola.com/2014/03/una-jirafa-robotica-convive-con-los-mayores-y-los-comunican-con-sus-medicos-y-cuidadores/	2014-03-04	A Spanish blog "Ciencicola"	Blog readers (this blog is specialized in Scientific news)	Web	N/A
	Web (blog) +	XLAB	Sensor Network Infrastructure for a Home Care Monitoring System http://www.xlab.si/blog/sensor-network-infrastructure-for-a-home-care-monitoring-system/	2014-03-04	XLAB Blog/LinkedIn/Twitter/Facebook	Industry	Web	International
	Conference	SAS	ProFouND - EIP-AHA meeting	2014-03-(12-13)	Vilanova i la Geltrú (Spain)	ProFouND - EIP-AHA partners and associate members	N/A	N/A
	Workshop, Presentation	CNR-ISTC	Presentation of GiraffPlus 2nd year Results at the Workshop on Service Robots & Smart Environment (Eu-Robotics FORUM)	2014-03-13	Rovereto, Italy	Researchers, EU Commission representatives, Industry, General Public	N/A	Europe
	Presentation	Örebro municipality, OLL	Presentation of the GiraffPlus system (Technology for people with muscle disease)	2014-03-14	Örebro, Sweden	Health care professionals	N/A	Local
	Presentation	GIRAFF	Botkyrka Elderly Day	2014-03-20	Botkyrka, Sweden	Botkyrka community	75	Local
	Article	ORU	An article entitled "Smart Robots in Ordinary Homes" in Örebro University Magazine No.1 2014.	2014-03-25	Örebro, Sweden	Örebro County	N/A	Local
	Conference, Presentation	GIRAFF	Griffith University Dementia Conference	2014-03-26	Brisbane, Australia	Elderly and their families	75	N/A
	Presentation	Intellicare	Aalliance2 final event. Antonio Damasceno talked about exploration of the GiraffPlus infrastructure in future projects.	2014-03-26	Brussels, Belgium	Potential users of GiraffPlus infrastructure	N/A	Europe
	Presentation	Intellicare	Biomedical Engineering	2014-04-09	Coimbra,	Professionals	N/A	Portugal

			Conference		Portugal	and Students of biomedical engineering		
	Presentation	Intellicare	AAL JP Info Day and Consortium Building seminar. Antonio Damasceno talked about exploration of the GiraffPlus infrastructure in future projects	2014-04-(16/17)	Brussels, Belgium	Potential users of GiraffPlus infrastructure	N/A	Europe
	Presentation	GIRAFF	MedTech and 3 networking sessions	2014-04-29 2014-04-30	Lausanne, Switzerland	Industry participants and investors	50	N/A
	TV clip	SAS and UMA	Report on daily news http://www.telecinco.es/informativos/informativo_21_h/Informativo_21-00-Pedro_Piqueras_2_1791330260.html (report starts at 8:07 minutes to the ending of the news)	2014-05-06	"Telecinco" (A National Spanish TV channel)	Generalist	N/A	Spain
	TV clip	SAS and UMA	Report on daily news "http://www.cuatro.com/noticias-cuatro/en-directo/noticias-cuatro-20h/Noticias_Cuatro_20-00-Hilario_Pino_2_1791330248.html" (report starts at 17:39 minutes to the ending of the news)	2014-05-06	Cuatro" (A national Spanish TV channel)	Generalist	Web	Spain
	Article	SAS and UMA	Article http://ecodiario.eleconomista.es/interstitial/volver/50023286782/ciencia/noticias/5758421/05/14/GiraffPlus-El-robot-de-asistencia-desarrollado-por-Europa-para-personas-mayores.html#.Kku81FmoQsx48T3	2014-05-06	Online Business magazine "El economista"	People interested in Economy	N/A	Spain
	Article	SAS and UMA	Article http://www.muyinteresante.es/inovacion/tecno/articulo/desarrollan-un-robot-para-asistir-a-	2014-05-06	Magazine "Muyinteresante"	Generalist	N/A	Spain

			personas-mayores-421399365937					
	Presentation	GIRAFF	Presentation of the GiraffPlus Concept for Finland delegation of municipalities	2014-05-07	Västerås, Sweden	Researchers that are studying home care technology in Sweden and throughout EU	25	Europe
	Web (blog)	XLAB	Robin the robot helps take care of 94 year old Italian Grandma Lea http://www.xlab.si/blog/robin-the-robot-helps-take-care-of-94-year-old-italian-grandma-lea/	2014-05-07	XLAB Blog	Industry	Web	International
	Article	XLAB	Article published in the popular press, serious general circulation paper. XLAB sodeluje pri razvoju robota za starejše. http://www.delo.si/gospodarstvo/podjetja/xlab-sodeluje-pri-razvoju-robota-za-starejse.html	2014-05-08	Newspaper DELO	Industry	Largest national daily, with 160.000 readers approx.	Slovenia
	Article	XLAB	Articles published on Slovene News Portals. Xlab sodeluje pri razvoju robota za starejše http://www.financesi.com/novice-xlab-sodeluje-pri-razvoju-robota-za-starejše http://novice.najdi.si/predogled/novica/62e28d1f865e3177ac11518630e34	2014-05-08	Finance Slovenia, Telex and numerous smaller Slovene news portals and Portal seniorji.info	Industry	N/A	Slovenia
	Article	XLAB	Article published in the popular press - Xlab sodeluje pri razvoju robota za starejše osebe. http://novice.najdi.si/predogled/novica/41e434eccf8d588b4f2ac0e1f4357dba/Moj-mikro/Znanost-in-IT/Xlab-sodeluje-pri-razvoju-robota-za-starejše-osebe	2014-05-08	IT Magazine: Moj mikro	Industry	N/A	Slovenia
	Article	XLAB	Article published in the popular	2014-05-12	IT Magazine:	Industry	58000	Slovenia

			press - Robin the robot helps take care of 94 year old Italian Grandma Lea. http://www.racunalniske-novice.com/novice/dogodki-in-obvestila/robot-robin-spremlja-94-letno-italijanko-na-njenem-domu.html?RSSae98c3a8b42d8512eb2f3c3dbc8faf1d		Računalniške novice		readers (published twice a month)	
	Presentation	Intellicare	Project presentation at eHealth FORUm 2014	2014-05-12	Athens, Greece	Full range of eHealth Stakeholders	N/A	N/A
	Presentation	GIRAFF	Allmänläkarkongressen (Swedish Physicians Convention)	2014-05-15	Västerås, Sweden	Doctors and other health care professionals	50	Sweden
	TV-clip	XLAB	Press briefing (video). Kako starostnikom pomagati na drugačen, moderen način https://www.facebook.com/photo.php?v=10152134032406443	2014-05-15	News on Kanal A, SVET	Industry, Media	2nd most popular TV channel in Slovenia	Slovenia
	Article	ORU	An article titled "Meet Mr. Robin, grandma's robot buddy", written by Kieron Monks. http://edition.cnn.com/2014/05/16/tech/innovation/meet-mr-robin-grandmas-robot	2014-05-16	CNN web edition	Generalist	Web	N/A
	Exhibition	GIRAFF	Eldery Care Technology Exhibition	2014-05-16	Sollentuna, Sweden	Social care professionals, elderly and their family members in the Stockholm area	100	Local
	Article	SAS and	Article	2014-05-19	The	Generalist	N/A	Spain

		UMA	http://www.larazon.es/detalle_movil/noticias/6403524/sociedad/la-sueca-el-robot-que-asiste-a-los-mayores#.U3snoihqOno		Newspaper "La Razón"			
	Article	SAS and UMA	Article http://www.elconfidencial.com/ultima-hora-en-vivo/2014-05-19/la-sueca-el-robot-que-asiste-a-los-mayores_262625/	2014-05-19	National newspaper "El confidencial"	Generalist	N/A	Spain
	Article	SAS and UMA	Article http://www.laopiniondemalaga.es/malaga/2014/05/20/sueca-robot-asiste-mayores/678309.html	2014-05-20	Malaga local newspaper "La Opinión de Málaga"	Generalist	N/A	Local
	Article	SAS and UMA	Article http://www.malagahoy.es/article/malaga/1776492/la/sueca/robot/asiste/los/mayores.html	2014-05-20	Malaga local newspaper "Málaga hoy"	Generalist	N/A	Local
	Article	XLAB	Article published in the popular press. Razmah robotov za hitrejšo okrevanje in nego starejših. http://industrija.finance.si/8802736/Razmah-robotov-za-hitrejs-okrevanje-in-nego-starejsih	2014-05-20	Newspaper. Finance.	Industry	N/A	Slovenia
	Exhibition, Presentation	CNR-ISTC	Exposanità 2014, an Italian Health exhibition.	2014-05-21	Bologna, Italy	N/A	N/A	Italy
	Article	SAS and UMA	Article and video published in "Agencia SINC" Public agency specialized in scientific and technological news. http://www.agenciasinc.es/Multimedia/Videos/La-Sueca-el-robot-que-asiste-a-los-mayores	2014-05-21	"Agencia SINC" Public agency specialized in scientific and technological news.	People interested in science, technology and Innovation	N/A	Spain
	Presentation	Intellicare	FENGE 2014	2014-05-21	Coimbra, Portugal	Software Engineering and Biomedical Engineering Students	N/A	Local
	Presentation	GIRAFF	Sunside Seminar	2014-05-23	Västerås,	Swedish	40	Sweden

					Sweden	municipalities and organizations that provide home care technology		
	Workshop, Presentation	Consortium	Giraffplus Workshop, General overview and project demo	2014-05-26	Coimbra, Portugal	End users, ICT Providers, Decision makers, Press	N/A	Portugal
	Presentation	GIRAFF	French Health Care Delegation	2014-05-30	Stockholm, Sweden	French health and social care authorities	25	France
	TV clip	SAS and UMA	Report on the news. 32:05 min. http://www.rtve.es/alacarta/videos/telediario/telediario-15-horas-01-06-14/2592974/	2014-06-01	"La primera" (The Public national TV channel)	Generalist	N/A	Spain
	Article, Video	CNR-ISTC	An article and video. The article entitled "Skype-like robot stands in as caregiver for elderly" http://www.euronews.com/2014/06/02/skype-like-robot-stands-in-as-caregiver-for-elderly	2014-06-02	Euronews	Generalist	N/A	N/A
	Uppsala Health Summit	GIRAFF	Uppsala Health Summit	2014-06-03	Uppsala, Sweden	Health Care officials from EU and the U.S.	300	Europe, U.S.
	TV clip	SAS and UMA	Report on the news. Time 44:50 min. http://www.atresplayer.com/television/noticias/lasexta-noticias/noticias-fin-de-semana/2014/Junio/dia-7-artur-mas-por-respeto-institucional-asistir-coronacin-nuevo-rey-espaa_2014060700057.html	2014-06-07	"La sexta" (A national Spanish TV channel)	Generalist	N/A	Spain
	Conference, Presentation	ULUND	ISG2014 Conference (International Society for Gerontechnology)	2014-06-19	Tai-Pe, Taiwan	Research in engineering and social sciences.	N/A	International
	TV clip	SAS and	Special documentary, time 26:50	2014-06-20	"Europe 2014"	Generalist	N/A	Spain

		UMA	min. (http://www.rtve.es/alacarta/videos/europa/europa-2014-20-06-14/2625080.shtml)		(24h information channel of the National Public TV "La primera")			
	Workshop, Presentation	CNR-ISTI	International workshop on Distributed Mobile Systems & Services (DMSS 2014) Dissemination of GiraffPlus Mobile Middleware	2014-06-23	Madeira, Portugal	Researchers	N/A	International
	Exhibition, Presentation	CNR-ISTC, GIRAFF	Italian Technology Exhibit	2014-06-27	Stockholm, Sweden	Delegation of Italian authorities including the Italian ambassador to Sweden	N/A	Italy
	Workshop, Presentation	CNR-ISTC	The Workshop on Artificial Intelligence Techniques for Ambient Intelligence (AITAmI) co-located with the 10th IEEE International Conference on Intelligent Environments (IE 2014).	2014-06-30	Shanghai, China	Researchers	N/A	International
	TV clip	CNR-ISTC	Article and video "An Italian grandma and her robot nurse" http://en.cncnews.cn/news/v_show/41344_An_Italian_grandma_and_her_robot_nurse.shtml	2014-07-04	CNC (a 24 hour global English-language Chinese news channel)	Generalist	N/A	International
	Video	CNR-ISTC, CNR-ISTI	Video interview with Italian Primary User "Robot carer offers company and security to 94-year-old grandmother". https://www.youtube.com/watch?v=4EPE5hecoX4	2014-07-08	Reuters	Generalist	N/A	GiraffPlus Concept
	Article	SAS	An article entitled "Un robot vigila	2014-07-18	Diario Médico	Health care	N/A	Spain

			la salud de los mayores en casa".		(an important Spanish magazine for health care professional)	professionals		
	Article		An article entitled "The Future of Robot Caregivers". http://www.nytimes.com/2014/07/20/opinion/sunday/the-future-of-robot-caregivers.html? r=1	2014-07-19	New York Times	Generalist	N/A	International
	Article		An article entitled "A Robotic Companion for the Elderly?", http://www.ideaslaboratory.com/post/94619189589/a-robotic-companion-for-the-elderly	2014-08-13	Ideas Lab web site	N/A	Web	N/A
	Interview	ULUND	Susanne Frennert was interviewed in a programme by the Swedish Radio-channel P1 entitled "Future and serving robots": http://sverigesradio.se/sida/avsni tt/415542?programid=4091	2014-08-13	Sweden Radio Channel P1	Generalist	N/A	Sweden
	Article, Video	CNR-ISTC CNR-ISTI	An article/video entitled "The Savvy Robot That's Half-Carer, Half-Friend". http://www.wallstreetdaily.com/2014/08/19/giraffplus-robot/	2014-08-19	Wall Street Daily	Generalist	N/A	International
	Presentation, Conference	GIRAFF	A speak on the Digital Health 2014 conference during the session "Domo arigato Dr. Roboto - IoT near you" entitled "Meet the Future – Say Hello!". http://www.digitalhealthdays.se/	2014-08-25	Stockholm, Sweden	N/A	N/A	N/A
	Workshop, presentation	ORU	A talk entitled "Combining Long Term Monitoring and Social Interaction: An Overview of the GiraffPlus Project after Two Years" at The workshop "New Frontiers of Service Robotics for the Elderly".	2014-08-25	Edinburgh, Scotland	Researchers	N/A	N/A

			http://www.tech.plym.ac.uk/SoCC/E/CRNS/staff/adinuovo/NFSRE/proceedings.pdf					
	Presentation, Conference	CNR-ISTC	The 5th Italian FORUm on Ambient Assisted Living (ForitAAL)	2014-09-05	Catania, Italy	Practitioners, end users and authorities	N/A	Italy
	Presentation	Intellicare	AAL Forum 2015. Antonio Damasceno talked about exploration of the GiraffPlus infrastructure in future projects including presentation to potential investors.	2014-09-(8-12)	Bucharest, Romania	Potential users of GiraffPlus infrastructure, Investors	N/A	Europe
	Article, interview	ULUND	Susanne Frennert was interviewed. http://www.forskning.se/nyheter/akta/teman/aldrande/tiofragorochsvar/kanrobotartahandomfarmor.5.3b19111a146b5b338a61596.html	2014-09-09	Forskning.se	Accessible for all, website on research	Web	Can Robots Take Care of Grandma?
	TV clip	SAS	Report in the TV program "Solidarios" http://alacarta.canalsur.es/television/programa/solidarios/262	2014-09-13	Canal Sur (Spanish TV channel)	N/A	N/A	Spain
	Presentation	Intellicare	Growing Silver Economy in Europe. Antonio Damasceno talked about exploration of the GiraffPlus infrastructure in future projects including presentation to potential investors	2014-09-13	Brussels, Belgium	Potential users of GiraffPlus infrastructure, Investors	N/A	Europe
	Presentation, conference	ULUND	"Peppar, Peppar, Peppar – Internationella äldredagen" (A day dedicated to senior security)	2014-10-08	Lund, Sweden	Local politicians and elderly	N/A	Local
	Presentation, conference	ULUND	Malmö centrala pensionärsråds årskonferens (Malmö's central organisation for pensioners, yearly conference)	2014-10-20	Malmö, Sweden	Local politicians and representatives from the different pensioner organizations	N/A	Local
	Presentation,	ULUND	Event "Gilla jobbet" (The meeting	2014-10-22/23	Stockholm,	N/A	5000	Sweden

	conference		place for working life)		Sweden			
	Conference, Presentation	CNR-ISTI	The 5th international conference on Indoor Positioning and Indoor Navigation (IPIN 2014) in BEXCO. http://www.ipin2014.org/sub/sub17.asp?sub_param=17	2014-10-29	Busan, Korea	Academic and industrial research communities	N/A	N/A
	Presentation	Intellicare	Identification of synergies and scenarios and new business models to explore GiraffPlus and Vivago technology.	2014-10-(30-31)	Helsinki, Finland	Potential partners for exploitation	N/A	Europe
	Web, video, presentation	CNR-ISTC	Neelie Kroes, the Vice-President of the European Commission and responsible for the "Digital Agenda for Europe" visited one of the Italian test sites. https://twitter.com/DigitalAgendaEU/status/528208892946579456 https://www.youtube.com/watch?v=88ps3EWhv08	2014-10-31	Rome, Italy, Web	N/A	Web	N/A
	Conference, other	SAS	A regional dissemination event, organized by the European Interregional IVC project CASA (Consortium for Assistive Solutions Adoption). http://www.casa-europe.eu	2014-10-31	Seville, Spain	N/A	N/A	N/A
	Conference, Presentation	CNR-ISTC	The International Conference and Exposition "TeleMediCare 2014".	2014-10-2--4	Desio, Italy	N/A	N/A	N/A
	Presentation, Conference	CNR-ISTC	The XIV Italian Congress of the Telemedicine and Medical Informatics Association (ITIM 2014)	2014-11-6--7	Trento, Italy	Researchers, healthcare professionals, national and international organisations and NHS representatives	N/A	N/A
	Presentation + Article + Video	CNR-ISTC, CNR-ISTI	Receiving a prize at the event "Nostalgia di Futuro" (in English "Nostalgia for the Future")	2014-11-18	Rome, Italy	N/A	N/A	Italy

			organized by the Italian Magazine "MediaDuemila" for discussing about media and communication. http://www.media2000.it/etica-trasparenza-nellera-dei-big-data https://www.youtube.com/watch?v=ToVPSuXvRpA					
	Presentation	CNR-ISTC	NanoTechITALY 2014 (http://www.nanotechitaly.it/). Talk entitled "New e-health environments integrating Ambient Assisted Living and Robotics".	2014-11-27	Venice, Italy	N/A	N/A	Italy
	Presentation	OLL, Örebro Municipality	Rotary meeting	2014-11-28	Örebro, Sweden	N/A	25	Local
	Presentation, Workshop	CNR-ISTC, CNR-ISTI	Workshop Artificial Intelligence for Ambient Assisted Living (AI*AAL.it 2014) sponsored by the project. Gabriella Cortellessa and Filippo Palumbo were co-chairs of the Workshop. The project has been presented to the attendees.	2014-12-12	Pisa, Italy	Academic	50	National
	Web (Wikipedia)	XLAB	Links to GiraffPlus publications, website. http://en.wikipedia.org/wiki/User:Ppinia/XLAB	2014-12	XLAB Wiki	N/A	N/A	International

4 Dissemination Activities Related to Test Sites

This section reports on the activities conducted with respect to Task 7.3 Dissemination Activities related to test sites.

Several of the test sites have been used in the project dissemination. In particular, high resolution, free to use photos of one of the Swedish test persons has been shot. Additionally, one of the Italian test sites, Nonna Lea, agreed to be featured in the EC Press release. Another Spanish test site, Adolfo, was featured in the GiraffPlus M30 video. Both videos are available in the GiraffPlus YouTube-channel: (<http://www.youtube.com/giraffplus>). These two test persons have also agreed to be filmed and interviewed by numerous journalists after the EC Press release. While many of the test site specific disseminations are listed in connect to the table to be placed in 3.4, it should also be noticed that many of the countless number of news items are listed only in the European Commission's non-public report on the EC Media coverage from 05/05/2014 to 20/05/2014 (data as of 21/05/2014). This report is appended to the deliverable submitted to the European Commission but excluded in the public version of the deliverable. These reports are included in Appendix F and G. Worth highlighting is also the fact that the test site commonly called Nonna Lea, in Italy has her own blog: <http://nonnalea.wordpress.com/> in which several posts regard the GiraffPlus project have been made.

5 Dissemination Materials

This section reports on the work conducted on Task 7.4 Dissemination Material. It contains information regarding the website structure, the project brochures produced for the project, the project's standard presentation, the newsletters, the press releases and also how social media has been used to facilitate project dissemination.

5.1 GiraffPlus Website

The public GiraffPlus website is dedicated to dissemination and is one of the main promotional tools of the project. Here, the news and latest information about the project has been made available.

The domain name <http://www.giraffplus.eu> is used for accessing the website of the project. The website is multilingual. The full website is provided in English while selected content is also provided in Italian, Spanish and Swedish.

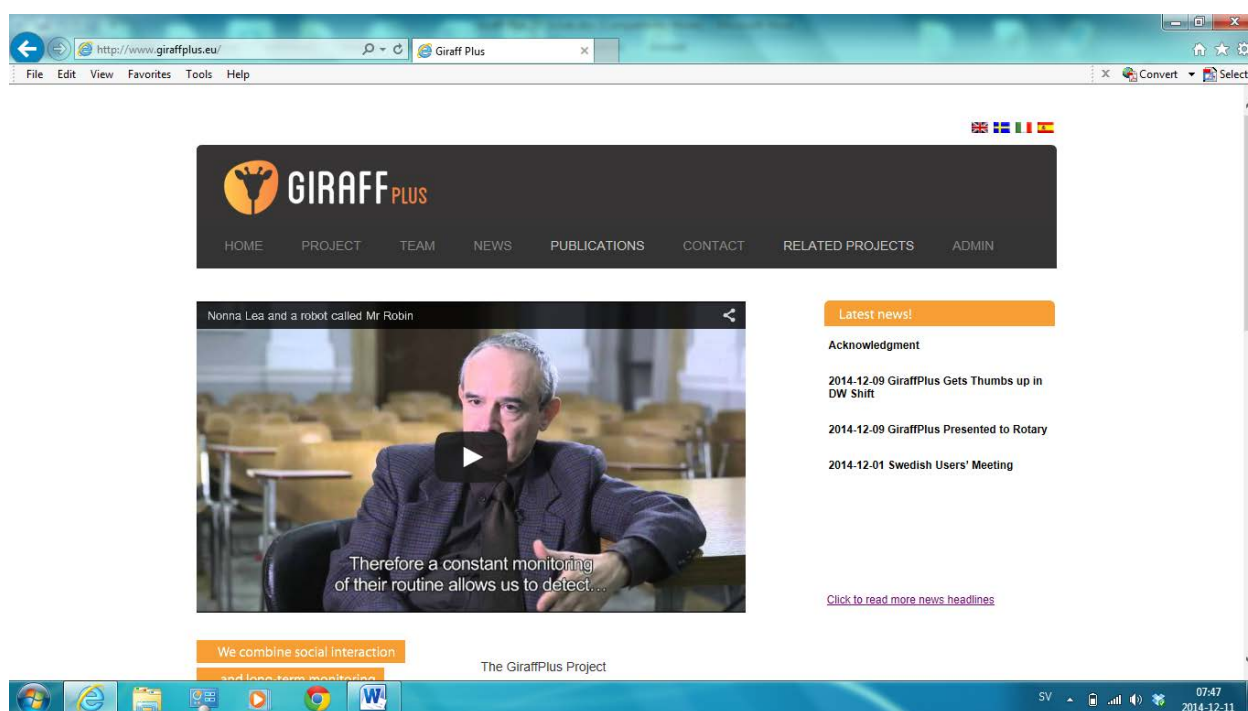


Figure 2 screenshot from the GiraffPlus website

All partners of the consortium have been responsible for providing information regarding updates and news to the GiraffPlus website when publications, events, news clippings and articles occur.

5.1.1 Structure

The current structure of the English version of the GiraffPlus website is outlined below. The items marked with an * is also provided in Italian, Spanish and Swedish.

- **Home*** provides a short summary of the project with the main points of the project activities.
- **Project*** provides a more in-depth description of the project and its contents. Information relating to the novelty of the project is given on this page. Links to relevant infrastructural components to the project, e.g. the test apartment, are provided here. A link to the work packages is also provided here.
 - **Deliverables** provides a description of each work package. The page contains a link to every approved deliverable of public dissemination level. Each link contains a brief description of the deliverable and a link to the deliverable itself.
 - **High res images** was added in order to provide journalists and other interests with photos that are free to use in articles about the project. In conjunction with the EC press release, many such requests were made.
- **Team*** provides a list of the consortium partners. Only the partners listed in the official project list of partners are here with their associated logos. Partners which are subcontracted or have strong affiliations to the project partners are not represented by a logo. For each project partner, one or more contacts in the respective organization is provided.
- **News** provides a linked list of news items sorted chronologically. It has been the intention to provide a continuous flow of information to the general public. However, an acknowledgment about the previous project coordinator has been stuck to the top of the list.
- **Publications** provide a list of publications accepted within the scope of the project.
 - **Brochures** contain links to a popular brochure about the GiraffPlus project in English, Italian, Spanish and Swedish.
 - **Newsletters** contain links to the ten newsletters that have been prepared and sent approximately every 4 months. An additional one, marking the end of the project, will be added to during the first quarter of 2015.
- **Contact*** details to the project coordinator and the scientific & technical manager are provided here.
- **Related projects** contains information about (and links to) related projects.

5.2 Project brochure

A popular brochure in five languages (English, Italian, Portuguese, Spanish and Swedish) has been produced and printed. It is available for download from the GiraffPlus website (Publications->Brochures). Screenshots of the English brochure is found in Appendix C: Brochures.

5.3 Standard Presentation

A standard presentation of the GiraffPlus project and a standard template to be used for GiraffPlus projects have been developed and are available at Basecamp. The standard presentation is updated in connection to the reached milestones in the project.

5.4 Newsletters

A newsletter about the GiraffPlus project has been produced and made available in electronic form at the GiraffPlus website (Publications->Newsletters) and distributed via a mailing list on a regular basis. In total, ten newsletters have been produced in: May 2012, October 2012, December 2012, January 2013, April 2013, July 2013, October 2013, January 2014, May 2014 and September 2014. Screenshots of them are provided in Appendix D: Newsletters. A selection of the newsletters have also been distributed in print, and where appropriate translated to different languages.

A final newsletter marking the end of the project will be produced and made available during the first quarter of 2015.

5.5 Press Releases

Two press releases have been produced during the project; one at the start of the project and one during M18 covering information about the first test site round. They can be found in text format in Appendix B: Press Releases. Additionally, the European Commission dedicated a press release to GiraffPlus on May 5th 2014. The English version of the press release is available at: http://europa.eu/rapid/press-release_IP-14-515_en.htm . Additionally, a Swedish one was produced in conjunction with the European Commission's Press release. The press releases are available in Appendix B: Press Releases.

5.6 Social Networking

The GiraffPlus project has been disseminated in a couple of media for social networking; Facebook and Twitter. Both are updated regularly with pictures and information about what is going on within the project. The news items posted at the web site are also posted at Facebook and Twitter. Additionally, the videos produced within the project are available at the project's YouTube-channel.

5.6.1 Facebook

A GiraffPlus Facebook page was created during 2013. On June 12th 2013 it had 49 likes. On December 10th 2014, it had 135 likes.

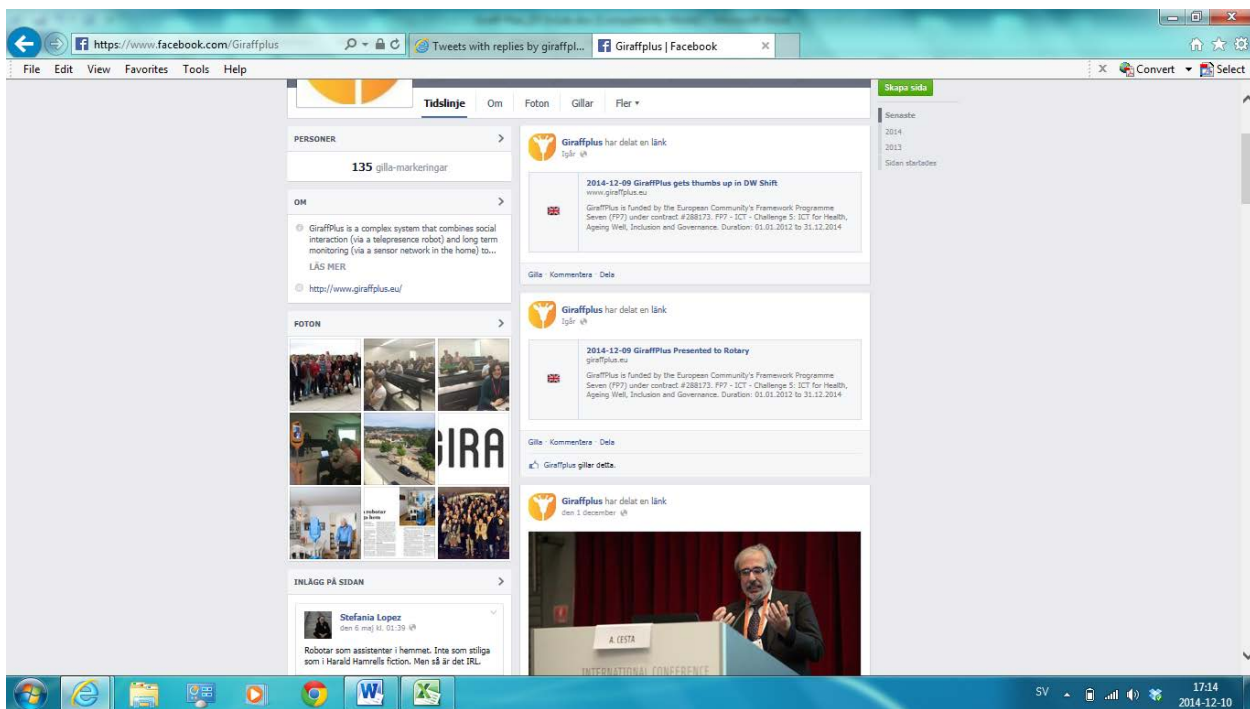


Figure 3 Screenshot GiraffPlus Facebookpage

An analysis of the Facebook impact is presented in terms of the 28 day reach for the overall page and lifelong reach for individual posts (Figure 4). In May 2014, the 28 day reach boosted from 700 to approximately 10000. Zooming in on the data on Figure 5, the overall reach is related with the concentration of publication of the following posts with high impact:

Date posted	Reach	Post title
05/05/2014	1308	2014-05-05 GiraffPlus Press Release
07/05/2014	636	GiraffPlus Event@Coimbra on May 26th
16/05/2014	731	2014-05-16 GiraffPlus in CNN Article
19/05/2014	604	Read the new GiraffPlus Newsletter!
22/05/2014	576	2014-05-22 GiraffPlus on Exposanità 2014 in Bologna, Italy

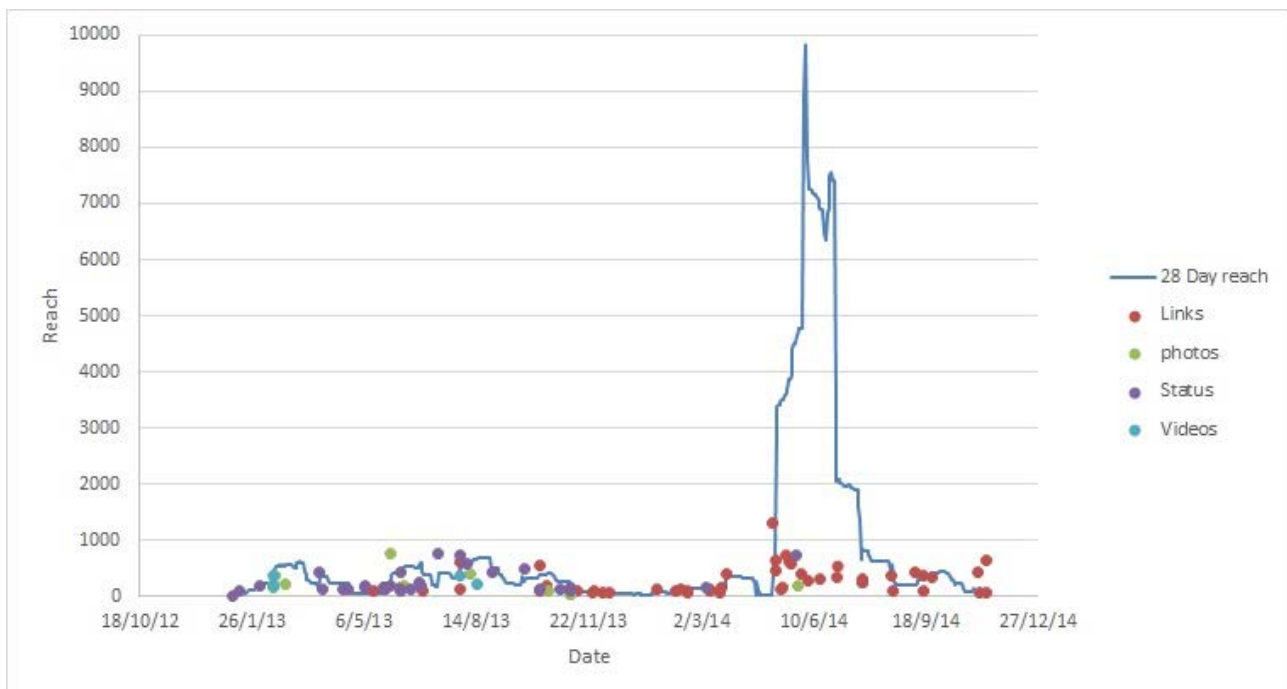


Figure 4 Analysis of Facebook impact in terms of 28 days reach for overall page and lifelong for individual posts

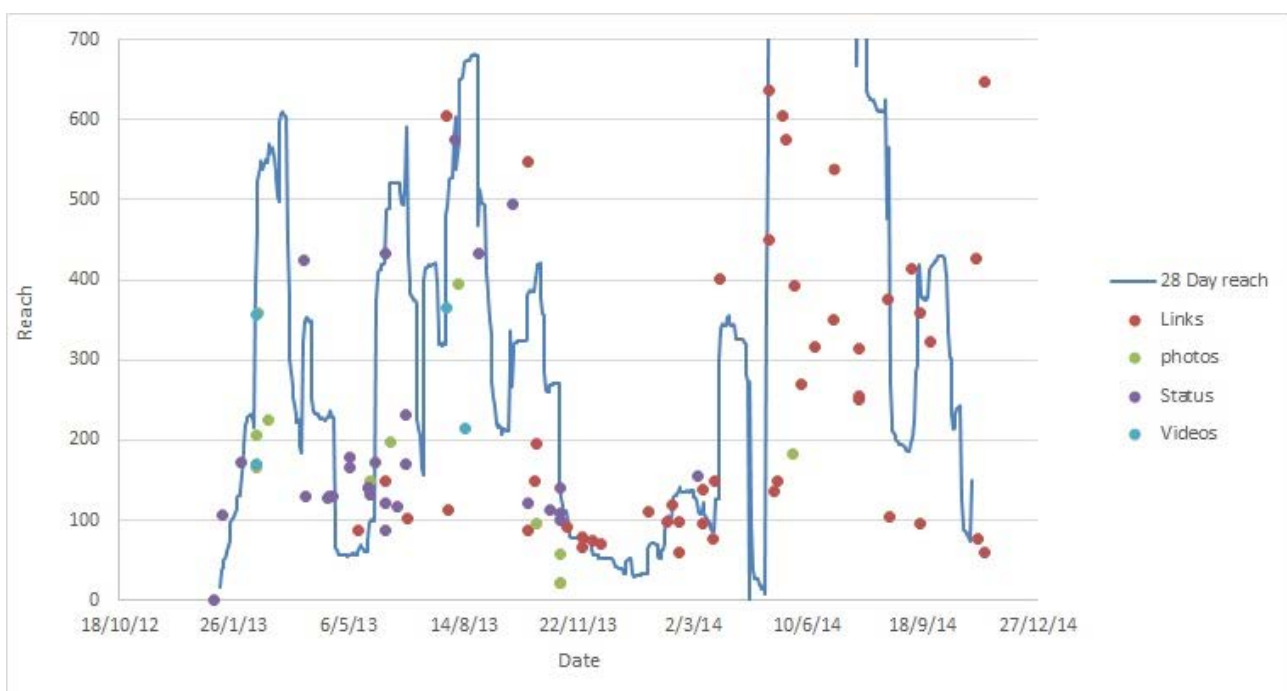


Figure 5 Zoom-in on posts with high impact

5.6.2 Twitter

The GiraffPlus Twitter account was created end of 2012. On June 14th 2013, there were 36 tweets and 35 followers. On December 31st 2014, there were 220 tweets and 190 followers.

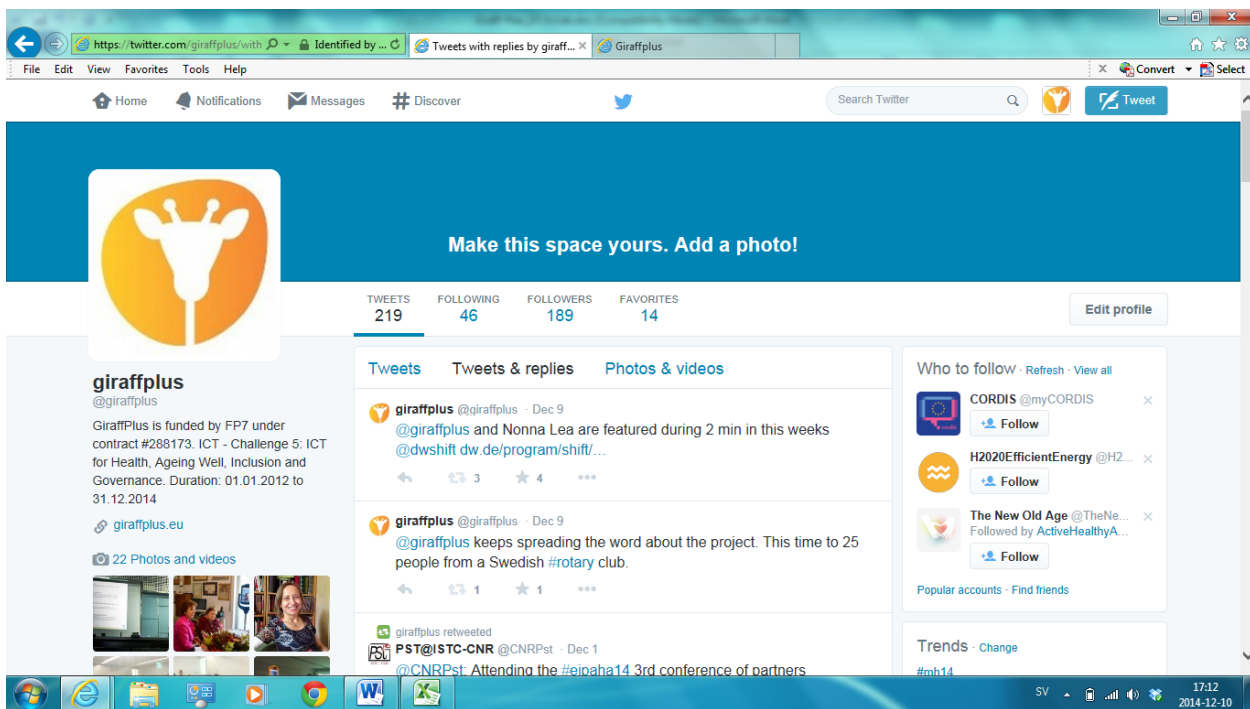


Figure 6 Screenshot GiraffPlus Twitterpage

5.6.3 Youtube

A GiraffPlus website (<https://www.youtube.com/giraffplus>) was created in order to collect the videos produced within the project.

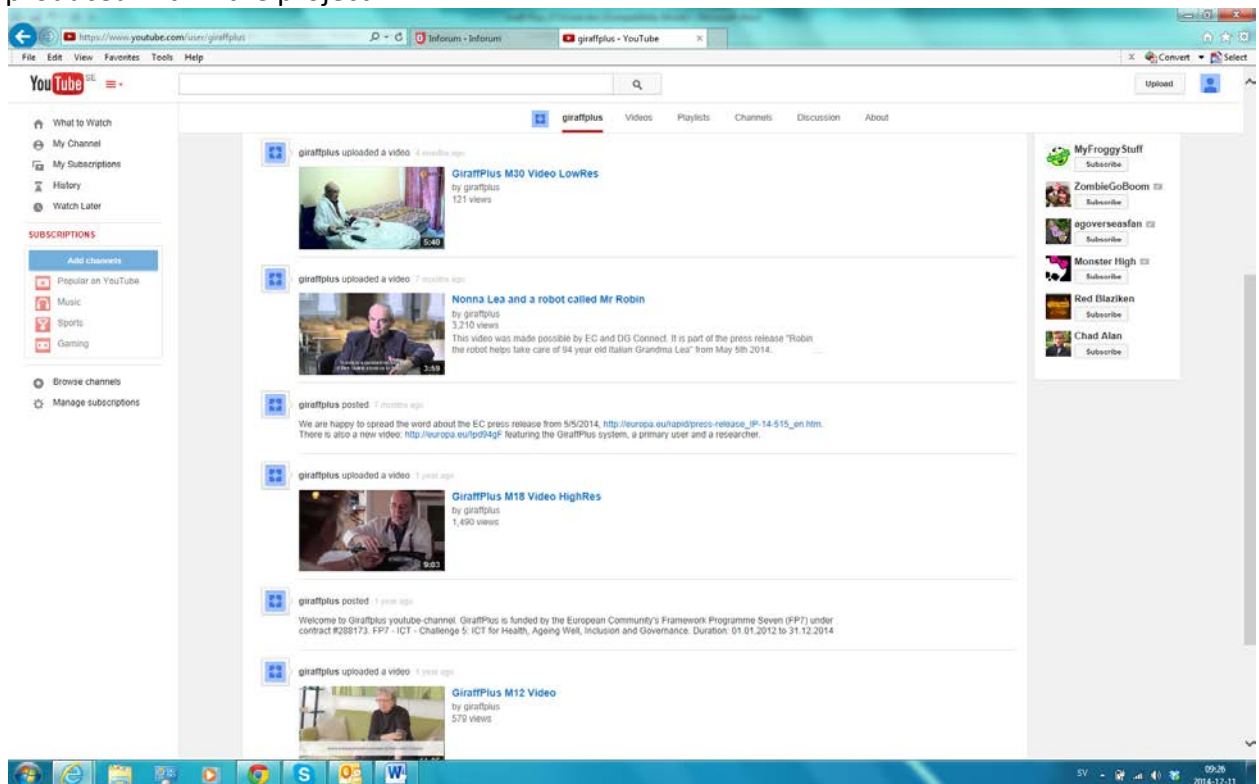


Figure 7 Screenshot GiraffPlus YouTube-channel

6 Evaluation of Success

D7.3 outlined a number of evaluation criteria for success for the dissemination activities which are shown in Table 2.

Table 2 Evaluation criteria for dissemination

	Measurement	Threshold	Contingency
Website	Number of visitors (monthly - average)	200	Promote aggressively website e.g. LinkedIn groups
	Number of Page Impressions	2	Create more dynamic content on the website
	Duration of visits	5 minutes (average)	Create more dynamic content on website
	Number of references from external web pages	100	Contact more stakeholders and promote project with special request for linking.
	Number of news events	4 per month	Systematic strategy of collecting and reporting news from each partner
Publications	Number of submitted articles to conferences	10 per anum	Encourage and promote publication amongst partners
	Number of submitted articles to journals	2 per anum	
Events	Number of attended events	10 per anum	Develop clear plan on which events are relevant for partners to attend
	Number of organized events	1 per anum	
Newsletters	Number of and mailing lists	100	Invite more subscriptions in correlation with attended events.
Testsites	Number of testsite Related news	12 per anum	Closely monitor testsite progress and reaffirm relation with testsite end-users

6.1 Website

A google analytics account was set up in 2013 in order to analyze the evaluation criteria associated with the website.

Figure 6 shows the number of unique visits per month during Jan-June 14 2013 (D7.4), the **Number of visitors (monthly average)** exceeded the threshold of 200 during each month.

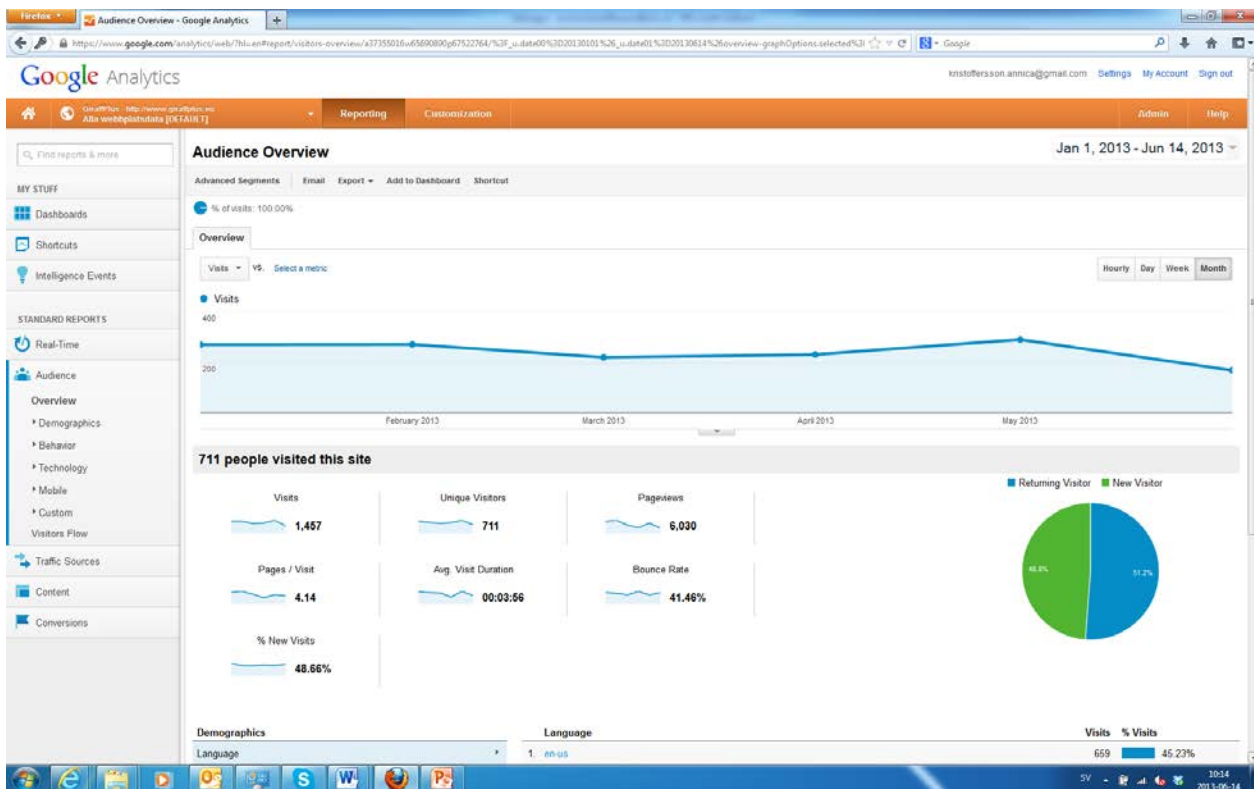


Figure 8 Number of visitors per month Jan 1 2013-June 14 2013

During this period, from June 15 2013 -Dec 31 2014, there were 17,319 sessions. As can be seen from Figure 7, a significant increase in terms of visitors can be seen at the date of the EC Press Release (May 2014). Table 3 shows that **Number of visitors (monthly average)** during this period clearly exceeded the 200 threshold.

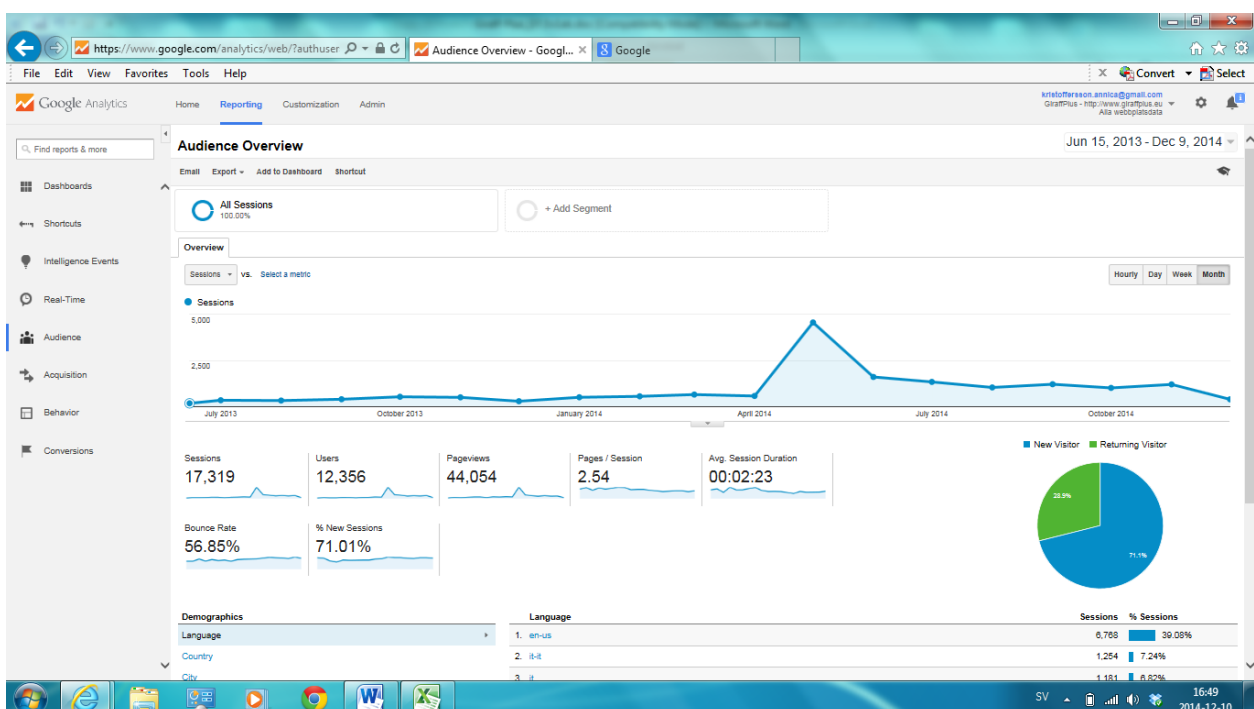


Figure 9 Number of visitors per month June 15 2013-Dec 19 2014

Table 3 Number of visitors per month June 15 2013 – December 9 2014

Number of visitors	Period
187	June15 – June 30 2013
353	July 2013
336	August 2013
407	September 2013
539	October 2013
509	November 2013
300	December 2013
512	January 2014
564	February 2014
659	March 2014
582	April 2014
4542	May 2014
1607	June 2014
1340	July 2014
1042	August 2014
1215	September 2014
1017	October 2014
1206	November 2014
2275	December 1 - December 9 2014

As shown in and Figure 8, there was an equal share between returning and new visitors during the previous reporting period (January 2013 - June 14 2013). Both the returning and new visitors exceeded the threshold for the **number of page impressions (2)**. The returning visitors saw in average 5.07 pages while the new visitors saw in average 3.16.

However, the **duration of visits** overall did not meet the threshold of 5 min in average. The returning visitors visited the website for in average 5.07 minutes but the new visitors spent only 2.41 minutes on the website. As seen in Figure 8, the bounce rate (the amount leaving the website without clicking further) is higher among the new visitors. This indicates that there was a need for a more dynamic content on the website.

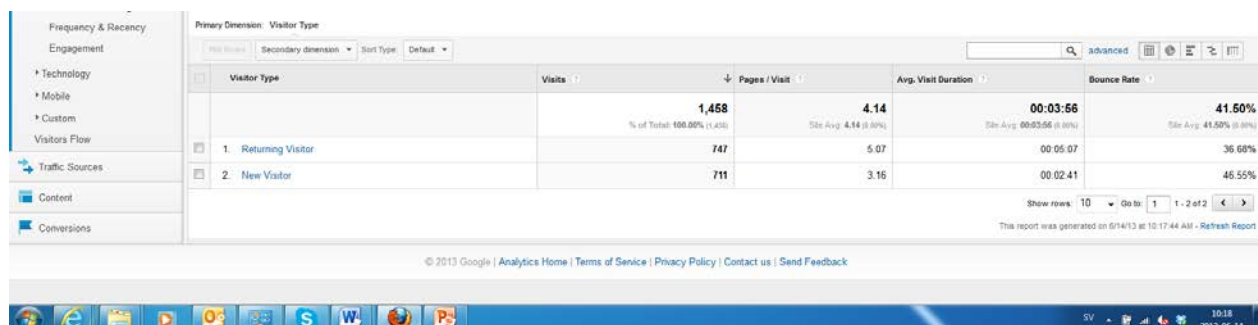


Figure 10 Returning and new visitor data January 2013- June 14 2013

The analysis of the data for this period, June 15 2013 – Dec 9 2014 is shown in Figure 9. During this period, only 30% of the visitors were returning visitors while 70% of the visitors were new visitors. Both the returning and new visitors exceeded the threshold for the **number of page impressions (2)**. The returning visitors saw in average 2.83 pages while the new visitors saw in average 2.43.

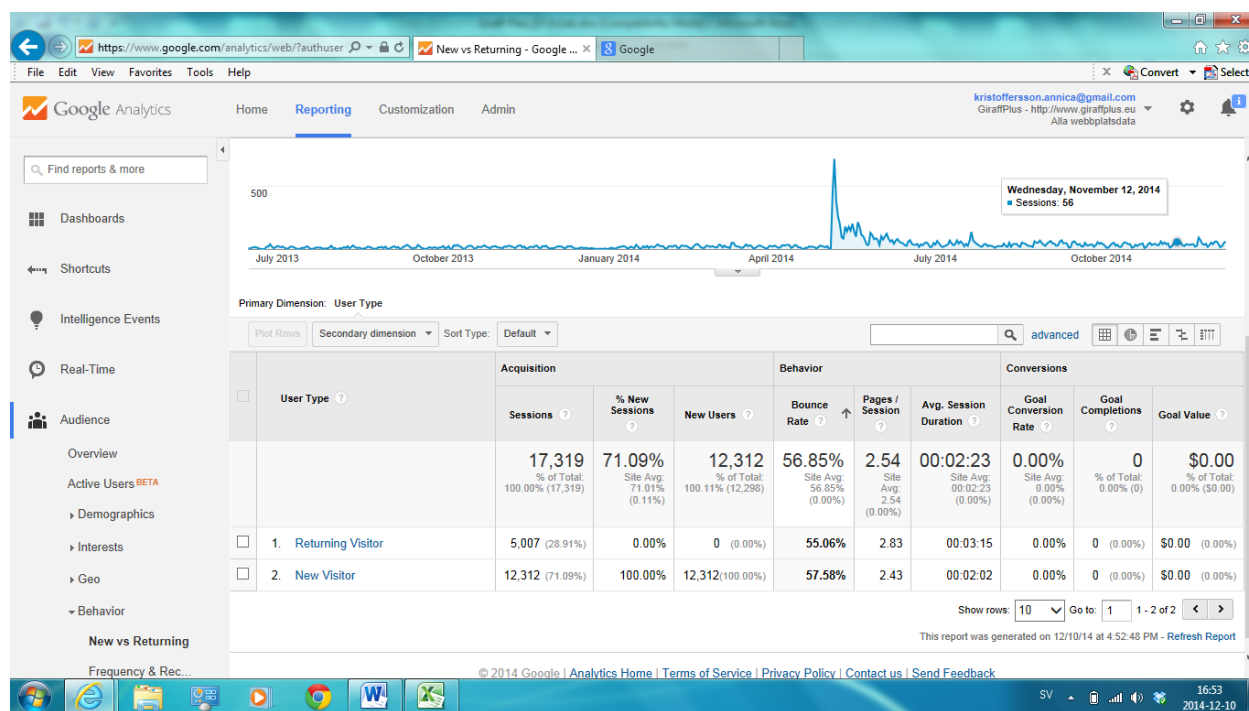


Figure 11 Returning and new visitor data June 15 2013 - December 9 2014

Analysing the traffic to the website during the previous reporting period (Jan 1 2013 – June 14 2013), Figure 9 shows that the visitors come from all the countries in which the consortium has partners but also from Germany, United States, Belgium and Netherlands. Table 4 shows that 76 % of the traffic came from countries in which there are consortium partners. 43% were Swedish visitors.

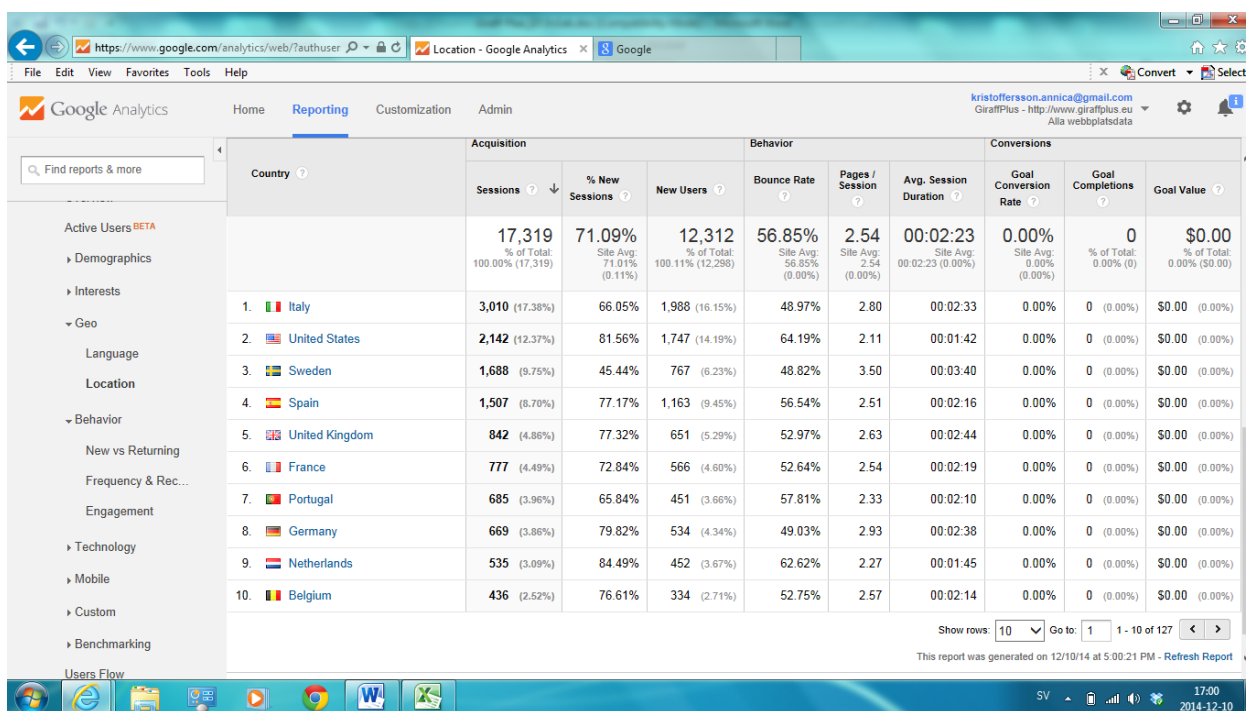


Figure 12 Location of visitors Jan 1 2013-June 14 2013

Table 4 Location of visitors Jan 1 2013 – June 14 2013 in percentages

Place	Country	Number of visitors	% of the total amount of visitors
1	Sweden	630	43%
2	Italy	213	15%
3	United Kingdom	80	5%
4	Spain	75	5%
5	Portugal	70	5%
6	Germany	50	3%
7	United States	46	3%
8	Slovenia	38	3%
9	Belgium	35	2%
10	Netherlands	32	2%

Figure 11 shows the analysis of traffic to the web site for this period (June 15 2013 – December 9 2014). The top 10 countries are almost the same except for France replacing Slovenia. However, the % of visitors from each country is radically different. Most visitors came from Italy (~17.5) and less than 10% of the users came from Sweden. A significant increase in traffic can be seen from the United states, almost 12.5% which can be compared to the 3% for the previous reporting period. A clear indication of how dissemination of the project has proceeded during the last 18 months of the project.

**Figure 13 Location of visitors June 15 2013 – Dec 9 2014**

Looking at how the visitors reached the web site during Jan 2013 – June 14 2013, Figure 12 shows that more than half of the visits were the result of visits at other websites including Google. In total there were 36 sources of direct and referred traffic.

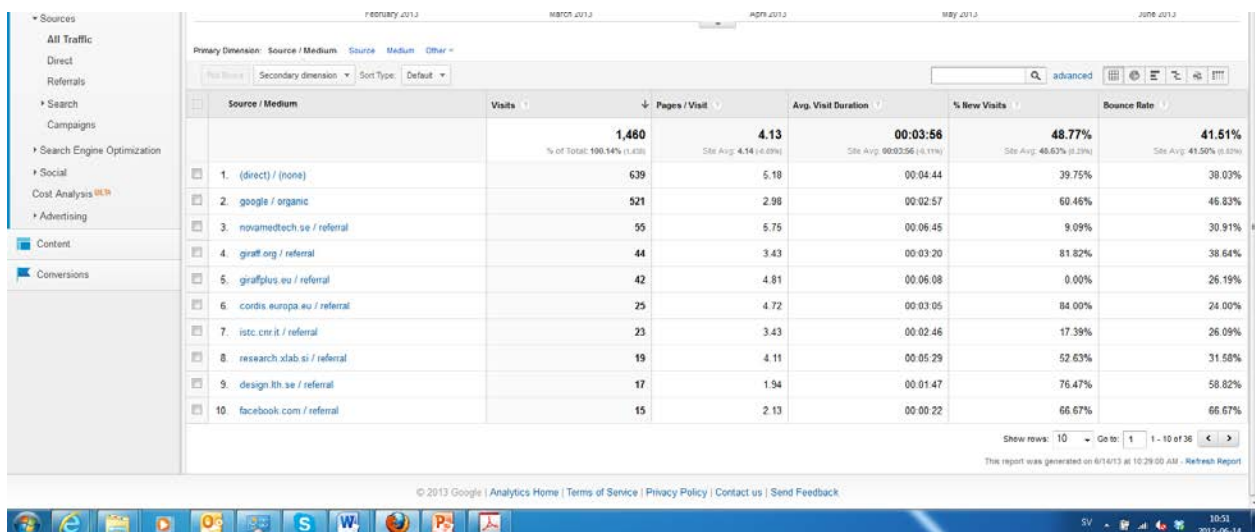


Figure 14 Analysis of Traffic Jan 1 - June 14 2013

Throughout the project, Giraffplus has worked on adding the number of references at external web pages, both on personal ones but also via co-operations with other projects. Looking at the same data for this period (June 15 2013 – December 9 2014), Figure 13 shows that visitors reached the page from a total of 390 different sources. While almost half of them reached the page using google, other common medium were ec.europa.eu, Europa.eu, cnn.com, Facebook and Twitter.

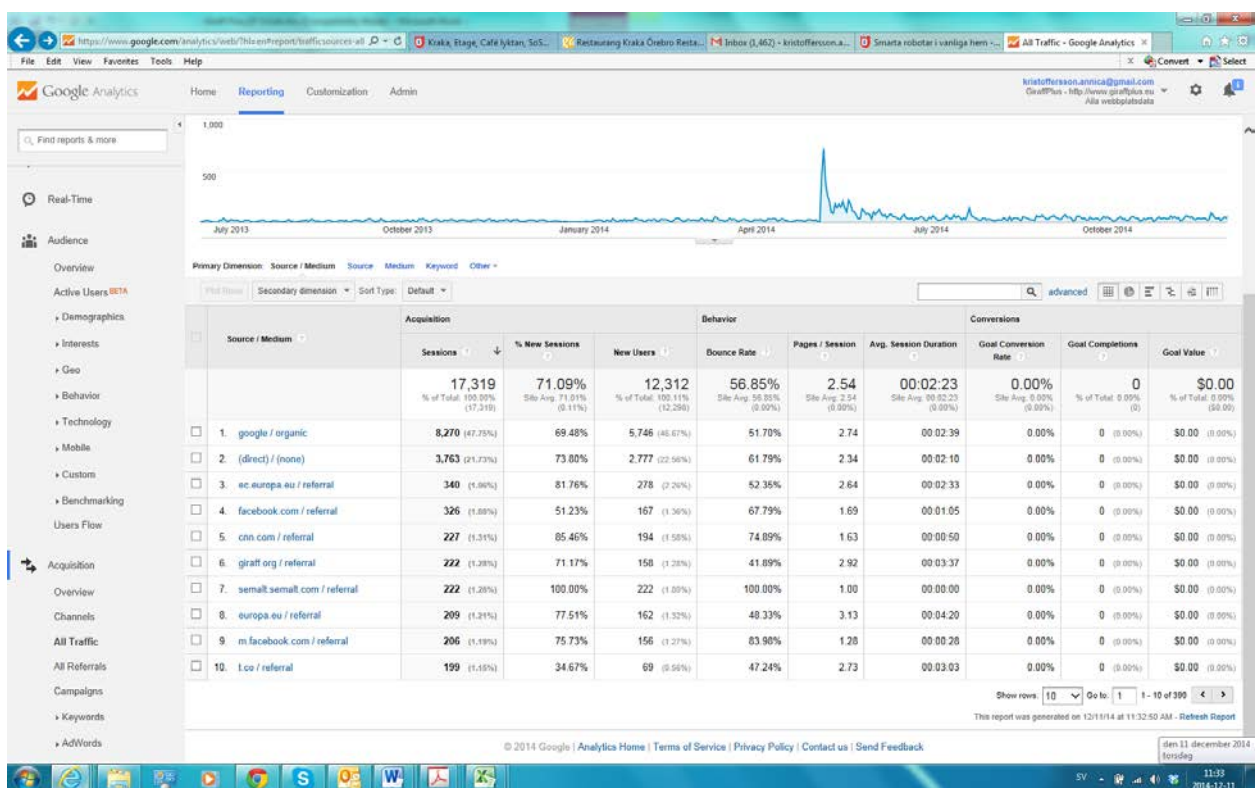


Figure 15 Analysis of traffic June 15 2013 – December 9 2014

The GiraffPlus website became multilingual in March 2013. An in-page click analysis was made on June 13th 2013 and on December 10th 2014, see Figure 14 and Figure 15. These figures indicate that the visibility (or use) has been low.



Figure 16 Click analysis Jan 1 2013-June 13 2014

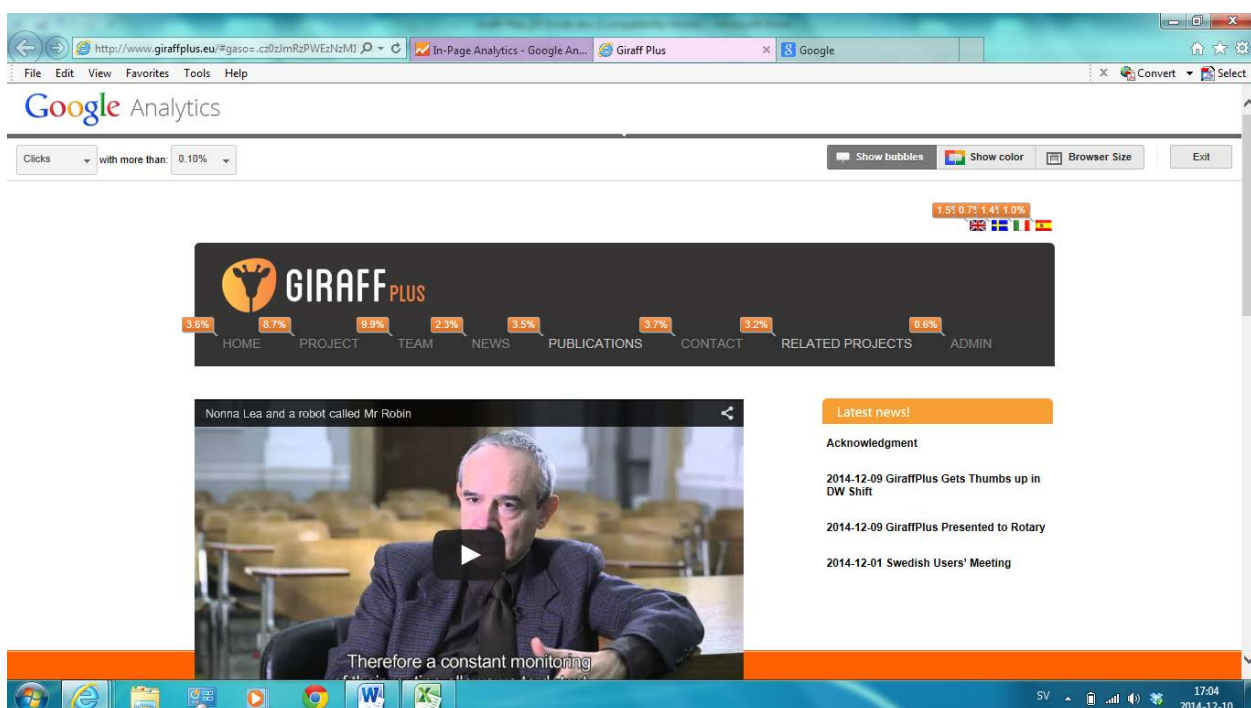


Figure 17 Click analysis June 15 2013 – Dec 9 2014

However, analysing the language settings for the visitors' web browsers, a significant amount (39 %) of the visitors have selected American English as the language setting in their browser which indicate that the knowledge in English among the visitors is good.

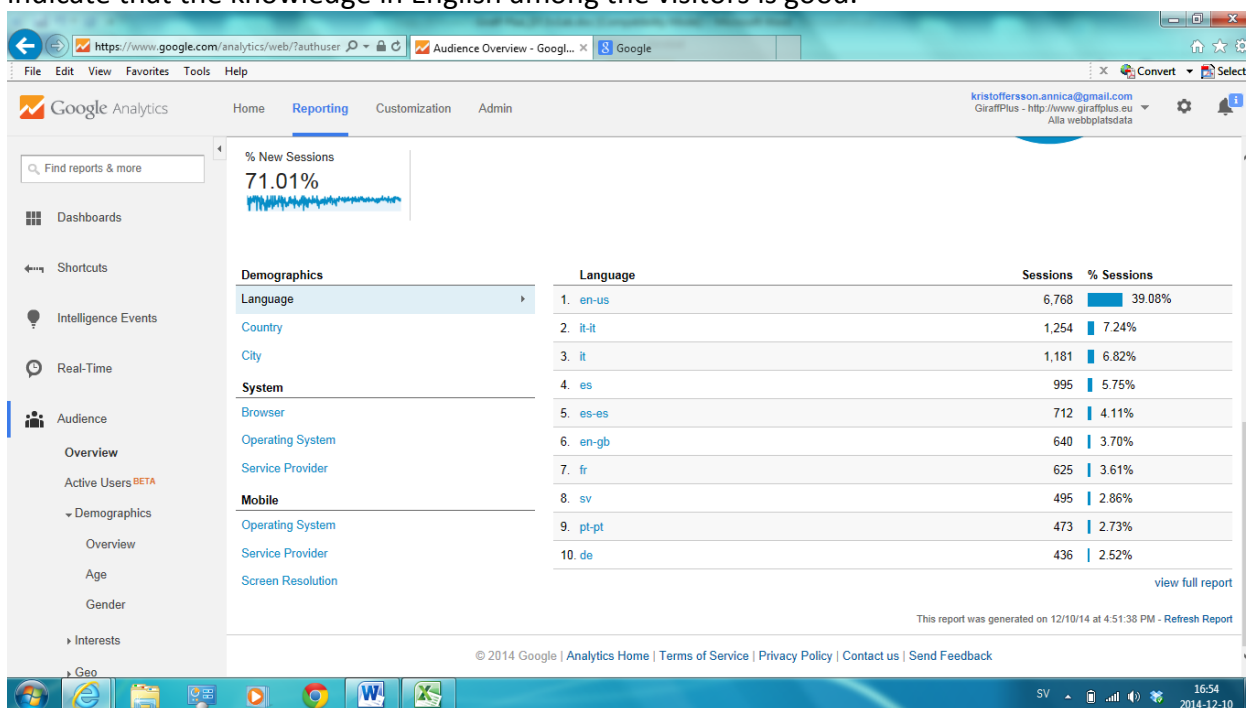


Figure 18 Browser language settings for users visiting the website June 15 2013 – December 9 2014.

The project website was developed in Joomla which also has an analytics plugin. How the top-level menu of the website has been used from launch date can be summarized by Figure 17 (according to Joomla) and Figure 18 (Google analytics which covers twelve months less).

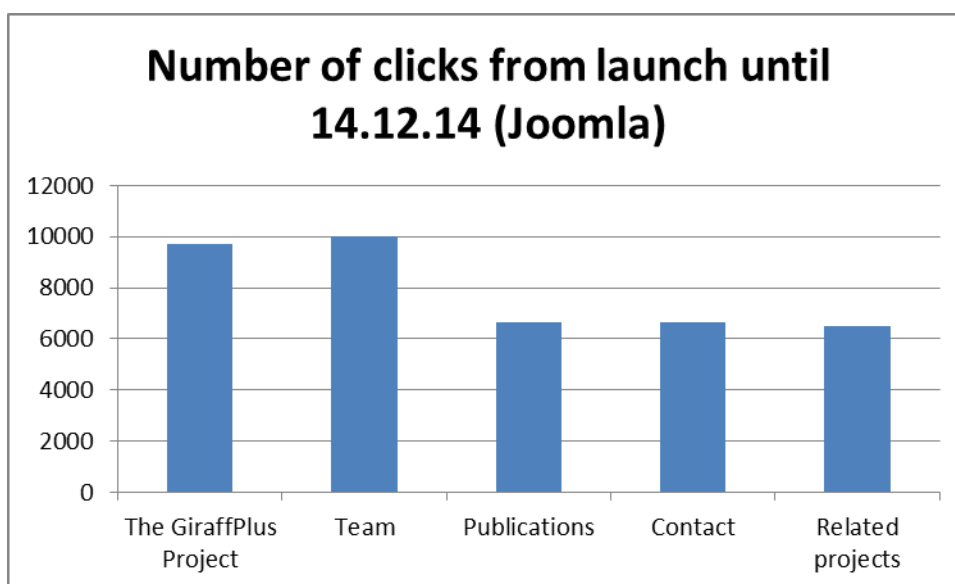


Figure 19 Top-menu use from website launch according to Joomla

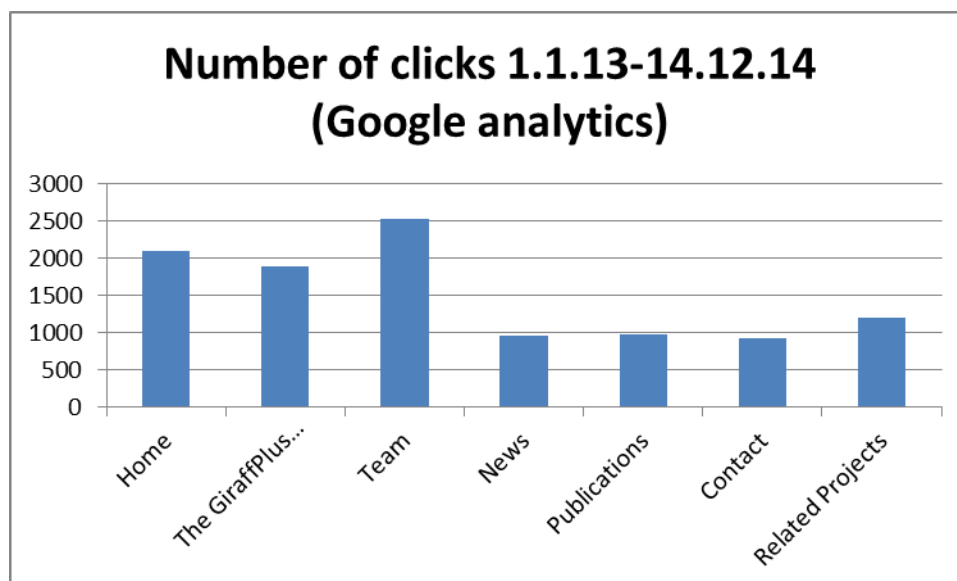


Figure 20 Top-menu use 2013-2014 according to Google analytics

The Joomla analytics also shows that the number of clicks for three of the second-level menu items are also worth highlighting. “The GiraffPlus Project -> Deliverables” was clicked 6808 times, “Publications->Brochures” – 5711 times and “Publications->Newsletters” – 5093 times. Also Google analytics outlines “The GiraffPlus Project -> Deliverables” as worth highlighting. According to Google analytics, the item was clicked 2216 times.

Regarding news items published during the last year, among the top newsitems are (2014-12-15) : “2014-03-20 GiraffPlus Project Presented at the European Robotics Forum” (3862), and “2014-06-10 Workshop on the RO-MAN Conference Dedicated to the Memory of Silvia Coradeschi” (2666). Table 5 shows the **number of news events**¹ which have been posted on the website but also on the recently launched social media channels; Facebook and Twitter up to June 2013.

Table 5 Statistics of news events (D7.4)

	Website	Facebook	Twitter
Total January 2012 – June 2013	50	33	45
June 2013	4	9	16
May 2013	8	9	9
April 2013	4	3	3
March 2013	5	2	4
February 2013	4	7	5
January 2013	5	3	7
December 2012	2		1
November 2012	5		
October 2012	4		
September 2012	1		
August 2012	1		
July 2012	2		

¹ The number of posts on Facebook and Twitter tweets includes the sharing of links and photos.

June 2012	-
May 2012	1
April 2012	2
March 2012	2
February 2012	
January 2012	

In the previous deliverable, D7.4, we expected that the number of news events would increase once the first test sites had been deployed and results were starting to come in. Table 6 summarizes the news items over the whole project. Over the course of the whole project there have been 119 news items on the web page, 103 Facebook messages and 219 tweets. Comparing the number of news events with the threshold set of 4 per month, we consider that the project has reached its goal.

Table 6 Statistics of news events for GiraffPlus

	Website	Facebook	Twitter
Total January 2012 – June 2013	50	33	45
Total July 2013 – Dec 9th 2014	69	70	174
Total January 2012-Dec 2014	119	103	219

6.2 Publications

Each partner in the consortium is encouraged to submit publications to journals and conferences. While the thresholds set regard the number of submitted articles to conferences and number of submitted articles to journals per year it should be noted that the reviewing time is a long process. As described in Section 3.1, a number of papers are currently under review for both journals and conferences. An additional number of papers are yet to be submitted. Table 7 outlines the number of accepted papers that have appeared or will appear soon.

Table 7 Number of accepted papers for Journals, Conferences/Workshops and Abstracts per annum

Publication Year	Journal (N)	Conference/Workshop (N)	Abstract (N)
2012		3	4
2013	2	11	
2014	5	9	1
2015	2	2	

6.3 Events

In terms of events, GiraffPlus has been presented at a number of scientific conferences and venues as shown in Table 6, many of which include an international audience. The project has

been present at a number of key forums for promotion of AAL in the business sector. This latter point has been led by the main exploitation partner – Giraff Technologies. Appendix E outlines a set of such events attended by the project. GiraffPlus as a consortium has arranged at least one dissemination event per year. The last such event took place in Coimbra in Portugal, and the next and final event in Rome in conjunction with the final review.

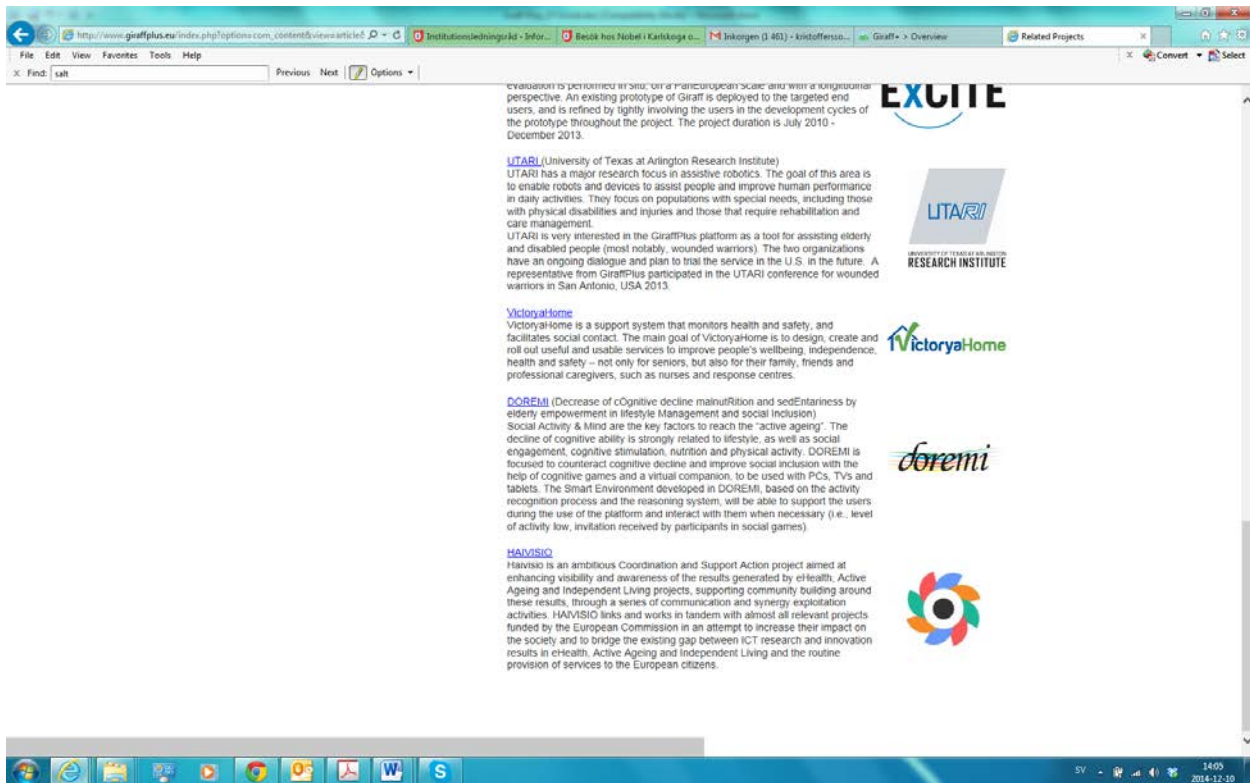
6.4 Newsletters

The final number of members on the email list for the newsletter is 123 people or organisations (66 in D7.4). The goal for the number of names for the mailing lists used for newsletters has been reached.

6.5 Test sites

While the number of news related to test sites was limited during the first two years of the project, the dissemination related to test sites during 2014 has been extensive and successful. Data regarding test site specific dissemination can be found in part in Table 1. See also the European Commission's non-public report on the EC Media coverage on the EC Press release on May 5th which is appended to this deliverable. The report covers the period: 05/05/2014 to 20/05/2014 (data as of 21/05/2014).

Appendix A: Connection to Related Projects



Appendix B: Press Releases

Press release start of project

Below follows the press release text

Early detection and adaptive support to changing individual needs related to ageing is an important challenge in today society. The GiraffPlus project aims at developing a system that addresses such a challenge. The system consists of a network of home sensors that measure e.g. blood pressure or temperature, or detect e.g. whether somebody occupies a chair, falls down or moves inside a room. The data from these sensors are interpreted by an intelligent system in terms of activities, e.g. the person is going to bed, and health and wellbeing, e.g. the person is tired or well rested. These activities can then trigger alarms or reminders to the person or his/her caregivers, or be analysed over time by a health professional. The system should automatically adapt to perform specific services such as checking the person's sleeping patterns. There is also a telepresence robot, the Giraff, which can be moved around in the home by somebody connected to it over internet, e.g. a caregiver. The Giraff is effectively a mobile communication platform, equipped with video camera and display, and microphone and speakers, and it helps the user to maintain his/her social contacts. Particular emphasis is put on user evaluation outside the laboratories. The GiraffPlus system will be installed and evaluated in at least 15 homes of elderly people distributed in three European countries (Sweden, Italy and Spain). These evaluations will drive the development of the system. The concept of "useworthiness" will be central in order to assure that the GiraffPlus system provides services that are easy and worth using. In addition, by using existing and affordable components (besides the Giraff robot also sensors from two participating companies: Tunstall and IntelliCare) we strive to achieve a system that is affordable and close to commercialization.

Press release M18

Below follows the press release from Örebro University.

Smart homes technology tested in Örebro

2013-06-05

A safer and healthier old age – that is the aim of GiraffPlus, an international project led by researchers at Örebro University, Sweden. With a focus of developing sophisticated aids for the elderly in close collaboration with the intended users, the project is now about to test the new technology in real homes.

Figure 21 A pressure sensor can monitor the time that a person has been located in e.g. the bed. They can also be placed under carpets, in sofas etc.



The system has already been tested in a demo apartment in Örebro, but the next step is for researchers in Sweden, Italy and Spain to evaluate the new technology in real homes.

– Two users in Örebro are about to have the system installed. During the autumn, another three homes will be added. In the same way, the technology will be introduced in Malaga and in Rome. All in all, the GiraffPlus system will be tested in 15 different homes in the three countries, says Anette Forsberg, who is overseeing the primary healthcare aspects of the project.

Timely response in emergencies

Figure 22 GiraffPlus system can monitor and visualize activities and a set of physical parameters, e.g. blood sugar and blood pressure.

GiraffPlus develops technical solutions that make it possible to continuously monitor, through a network of sensors in the home, an elderly person's health. The sensors can measure blood pressure and body temperature, register movements and detect if someone is lying still for an unusually long period of time, or takes a sudden fall.

The information from the sensors is analysed by an intelligent system, designed to quickly alert the caregiver in emergencies, but it can also be used for long-term assessment of the patient's health.

– The system is designed to be able to, for instance, chart an individual's sleeping pattern. By measuring the level of activity in the apartment during the night, the system helps both the patient and the caregiver to form a picture of the situation and adequate measures can be introduced, says Professor Silvia Coradeschi at the robotics research centre AASS at Örebro University, who is coordinating the project.



Figure 23 The Giraff is a part of the larger system that will be tested.

– From a physiotherapist's perspective, this system provides us with simple and satisfactory ways in which to measure levels of activity and obtain reliable information, says Anette Forsberg.

A good complement

At the heart of the system is a remote controlled mobile robot, equipped with a display and loudspeaker, known as Giraff. With its help, caregivers can "visit" the patient to discuss and plan care measures based on the information that has been registered by

the system.

– During testing, I and a primary healthcare physician will be using Giraff to pay virtual visits to the users based on their needs. In the future, we hope that this model will serve as a good complement to traditional methods as well as provide patients with a choice for their health visits. Some people prefer a visit to the health centre or the hospital, whereas others would rather not make that journey. We are all different, says Anette Forsberg.

Only those that the user has approved will have access to the system and no information will be forwarded without the patient's consent. The goal is to create a user-friendly system, offering services that are perceived as straightforward and of great value, while increasing the users' sense of security and improving their quality of life.

Concerned family members

- The user can opt to let others besides the caregiver have access to the information. Perhaps family members who for various reasons are concerned and want to make sure that everything is OK in the apartment or who simply want to pay a virtual visit using Giraff, says Anette Forsberg.
- Long-term evaluation and user interaction are a few of the factors that make our project a unique one. And that input is fundamental if innovative ideas are to bring real benefits to users, says Professor Silvia Coradeschi.

The GiraffPlus project, which is being coordinated by Örebro University, includes 12 collaboration partners in six European countries. The consortium consists of Consiglio Nazionale Delle Ricerche and Azienda Unita Sanitaria Locale Roma/A ASL RM/A from Italy, University of Malaga and Servicio Andaluz de Salud from Spain, Örebro County Council, Mälardalen University, Lund University and the company Giraff Technologies AB from Sweden and the companies ISA Intellicare (Portugal), Tunstall Healthcare (UK) Limited and XLAB (Slovenia).

Text: Linda Harradine

Foto: Örebro universitet

Translation: Charlotta Hambre-Knight

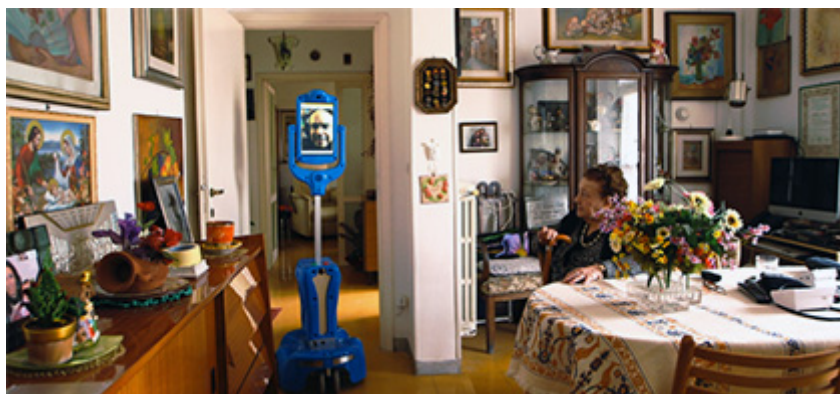
Press release M29

Below follows the press release from Örebro University.

Robin the robot helps take care of 94-year-old Italian Grandma Lea

2014-05-06

At 94, Grandma Lea could not live alone anymore but wanted to stay at home. In our ageing society, many elderly people are in the same situation. Robotics offers a safe and affordable solution. An EU-funded team [@giraffplus](#) has developed the [GiraffPlus](#) system; a robot assists older people in their homes, connects them to family, friends and healthcare professionals, while wearable devices and sensors throughout the home keep an eye on the person's health and activities. The system should be in commercial production by the end of 2015. The EU market for robots and devices assisting our older people is estimated to reach €13 billion by 2016.



"People ask why I don't just live with my daughter, but she has grandchildren of her own and many new responsibilities. With this valuable assistant that I call 'Mr Robin' I'm more relaxed about the years ahead, and so are my children and grandchildren", explains 94-year-old Lea Mina Ralli, also known as Grandma – 'nonna' in Italian – Lea. She has been using the GiraffPlus system for 5 months and often writes about 'Mr Robin' on [her blog](#) (in Italian).

€3 million of EU funding was invested in GiraffPlus to test how robots and other devices could help older people live safer, more independent lives. The system includes sensors and a robot. The sensors are designed to detect activities like cooking, sleeping or watching television and monitor health – blood pressure or sugar levels for example. They allow the person's carers to monitor their wellbeing remotely and to check for falls. A robot moves around the home and allows family, friends and carers to virtually visit the person.

Silver generation and economy

Vice-President of the European Commission [@NeelieKroesEU](#), responsible for the [Digital Agenda](#), says: *"None of us is getting any younger. But we all want to know that we will not lose our dignity, respect and independence as we age. The EU is investing in new technology that can support the silver generation – adding not just years to our life, but also life to our years!"*

Europe's over-65s have a disposable income of over €3,000 billion and much of this will be ploughed back into the caring economy. According to Stephen Von Rump, CEO of Giraff Technologies AB, the EU market for robots and other devices assisting of our elderly will reach €13 billion by 2016.

"GiraffPlus will be in 15 homes by the end of 2014", says Amy Loutfi, the project coordinator based at [Örebro University](#), Sweden. "So far we have had six homes in Europe – two homes each in Spain, Sweden and Italy – that have lived with the GiraffPlus system. We currently are in the middle of the evaluations, but we see that various aspects of the system are appreciated differently by the different users. This goes to show that a one-size fits all approach to technology at home is not necessarily the best, and technology should be both adaptable and tailored to user's needs".

Current plans are to put the system into commercial production next year, based on an upfront fee and monthly subscriptions which would make it competitive when set alongside increasingly expensive full-time care.

The [GiraffPlus consortium](#) includes public and private partners from Italy, Portugal, Slovenia, Spain, Sweden and UK.

Video on the project and related footage on EBS à Link will be available on Monday 5 May 2014 at noon in the press release on the [European Commission database – Digital Agenda](#)

Background

The European Commission strongly supports independent living through the use of new technologies – including robotics – as part of the [Digital Agenda](#) strategy [@DigitalAgendaEU](#). On top of the new research and innovation programme [Horizon 2020](#) [#H2020](#), two important initiatives are dedicated to taking new technologies to the market and homes and to embedding them in our systems for health and social care.

The Active Assisted Living Joint Programme (@AAL JP) is an initiative driven by the EU's member states for applied research on ICT products and services for ageing well. Over a hundred projects have been funded since 2008 and it should be continued under H2020: €25 million of EU funding is foreseen in 2014 and the same amount again in 2015.

The European Innovation Partnership on Active and Healthy Ageing (@EIP AHA) is a multi-stakeholder partnership to implement innovative ICT-driven technologies for active and healthy ageing at European scale and to remove barriers that prevent their deployment. One of its six Action Groups focuses on independent living, while others deal with related topics like the prevention and early detection of falls and age-friendly communities and environments.

Read more about Standards for caring robots and The ethics of robotics.

Funding available under Horizon 2020

Through Horizon 2020 #H2020, many more projects on independent living, including robotics, will be funded. One of the focus areas of Societal Challenge 1 – Health, demographic change and wellbeing is "personalising health and care" (PHC). It notably supports citizen empowerment through self-management of health and disease, health promotion and disease prevention.

The PHC calls have a total budget of €549.3 million for 2014 and €537 million for 2015. Two specific challenges are specifically devoted to robotics (PHC 10-2014 and PHC 19-2014) and two other are dedicated to ICT solutions for independent living (PHC 20-2014 – PHC 21-2015).

Read more about EU support to ageing well with ICT.

Read more about EU support to robotics - @RoboticsEU and find information on the public-private partnership in robotics between the European Commission and the robotics academia and industry to boost research and innovation in this strategic field and on the funding opportunities for 2014-2015 (ICT-23-2014 and ICT-24-2015 to be published on 15 October 2014 TBC).

Appendix C: Brochures

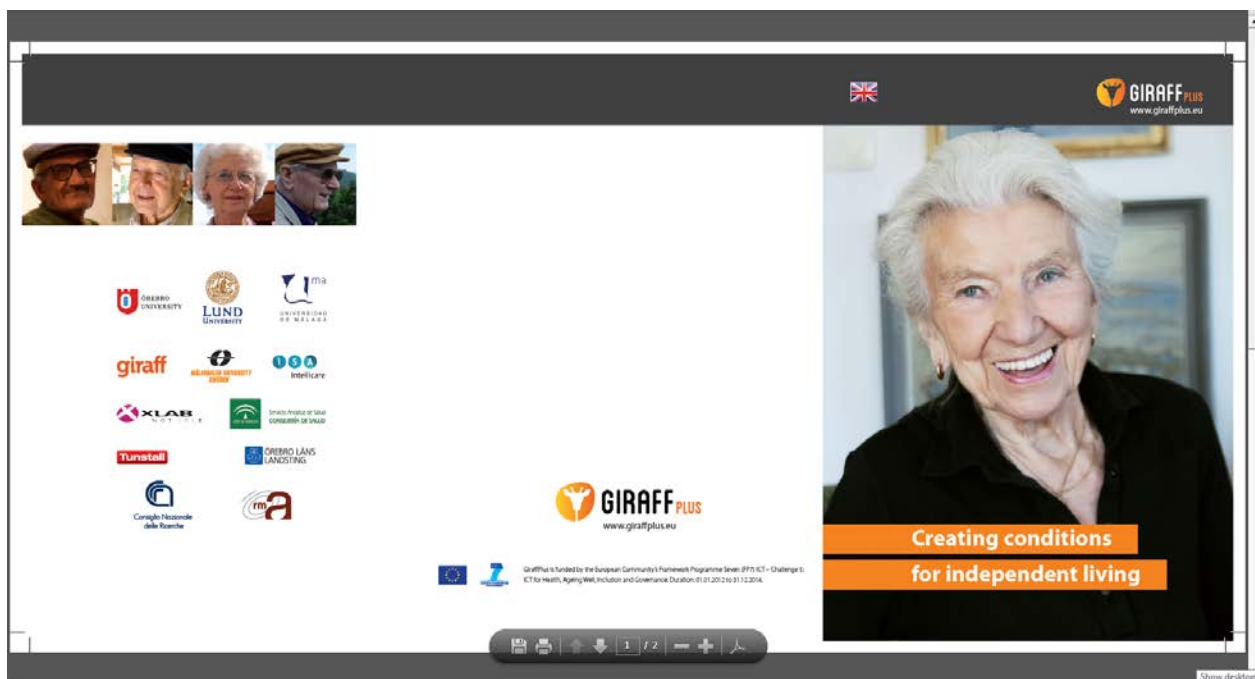


Figure 24 Popular brochure, Front and back, English version

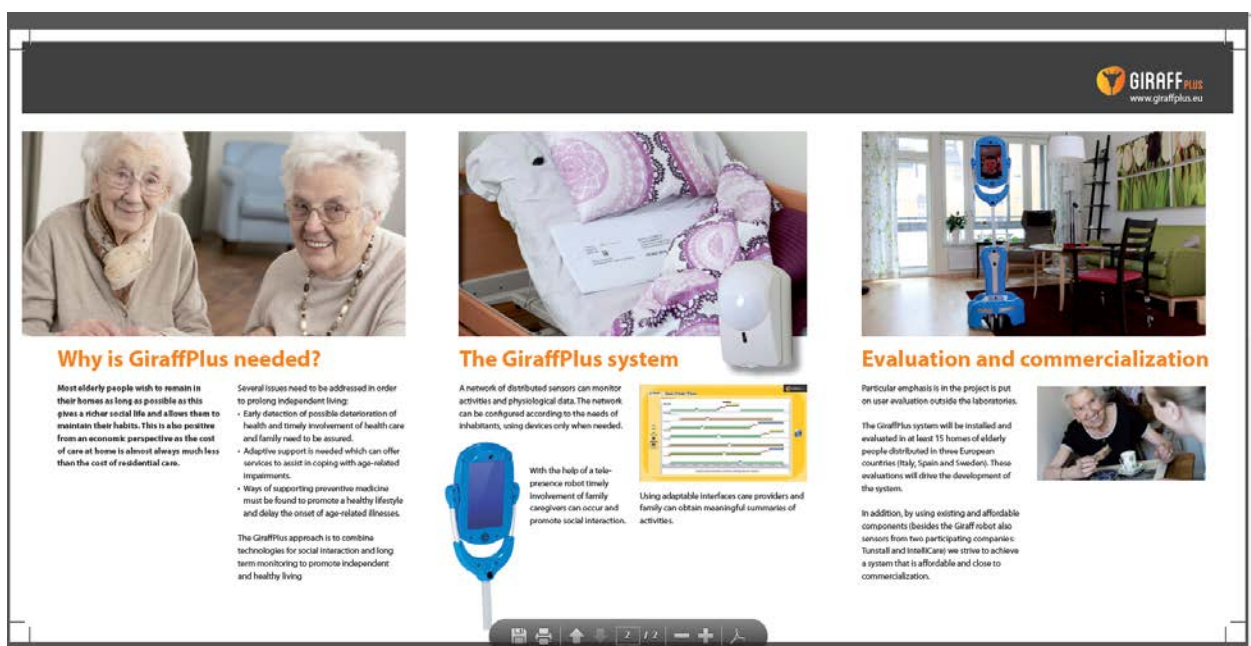


Figure 25 Popular brochure, Front and back, English version

Appendix D: Newsletters

This section collects screenshots of the newsletters administered throughout the project.



Figure 26 1st Newsletter May 2012

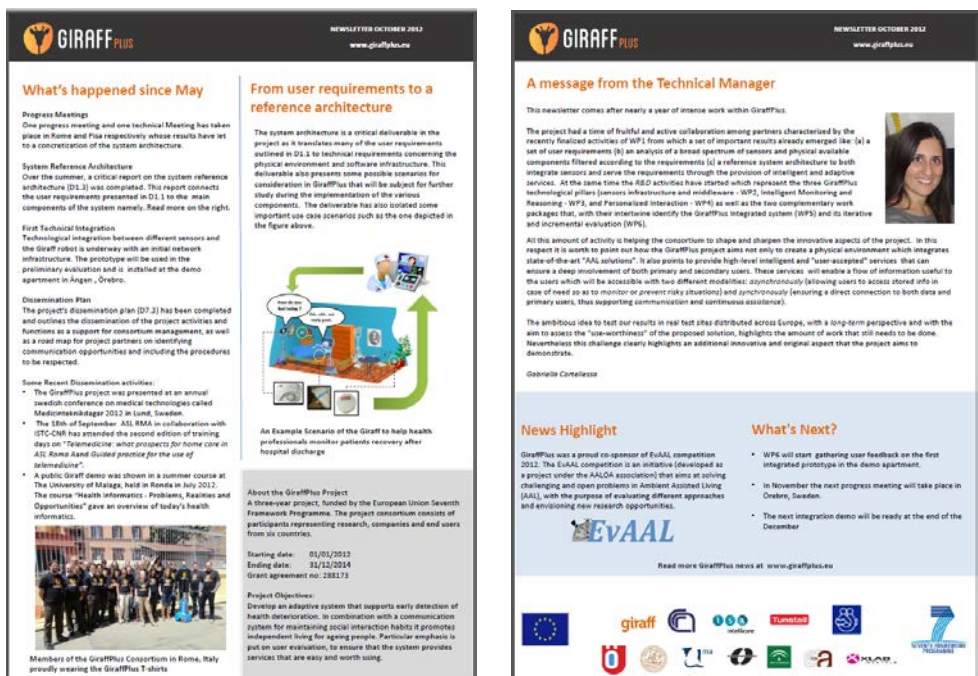


Figure 27 2nd Newsletter October 2012

Figure 28 3rd Newsletter December 2012Figure 29 4th Newsletter January 2013Figure 30 5th Newsletter April 2013

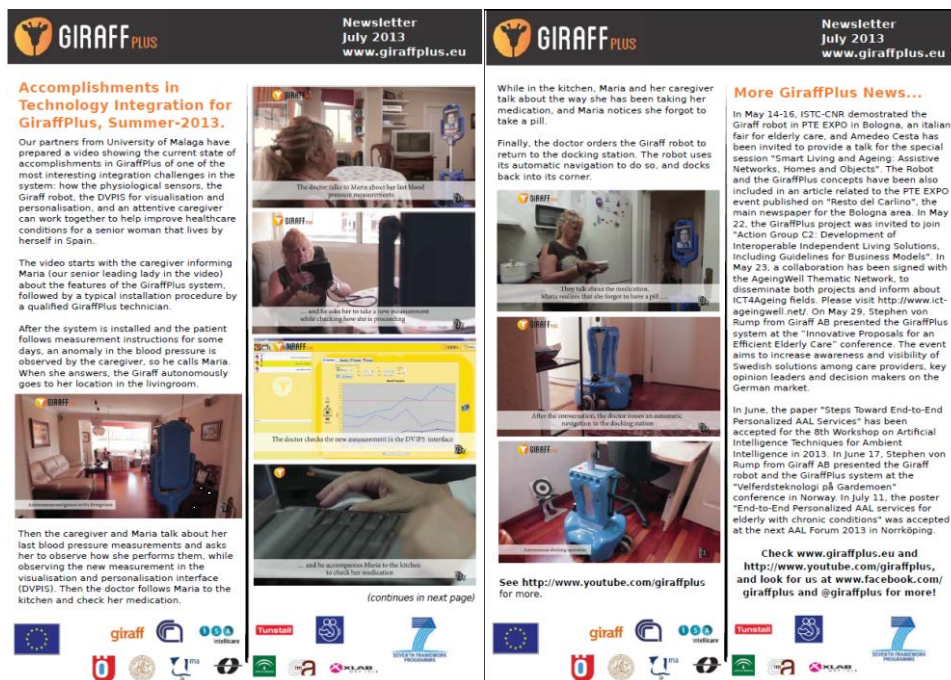
Figure 31 6th Newsletter July 2013Figure 32 7th Newsletter October 2013

Figure 33 8th Newsletter January 2014Figure 34 9th Newsletter May 2014

Newsletter
September 2014
www.giraffplus.eu

GiraffPlus at M30

Our partners from University of Malaga and Servicio Andaluz de Salud have prepared a video showing the status of GiraffPlus at month 30 that features one of the GiraffPlus test persons in Spain, Adolfo.

The video begins with information about the current GiraffPlus system and the new version of the DVPS@OFFICE, the software dedicated to allow secondary users access to the GiraffPlus system. DVPS 2.0 is the result of feedback collected during an evaluation session of DVPS 1.0 conducted by CNR-ISTC and ASL-Roma A. More information about DVPS 1.0 is provided in the July 2013 Newsletter. DVPS 2.0 offers a new layout of the Home Page which contains brief and immediate information on the status of the assisted person in terms of three main indicators: Alarms, Physiological and Social Activities. For each indicator, the judgment is provided as green = good, yellow = warning or red = risk. Moreover, it allows secondary users, nurses etc. to send written reminders and questions to the primary user via the Giraff. The primary user can respond using the Giraff's touch screen.

Sensor data is used by the system to infer high level activities and to report their frequency. The system generates a long-term analysis of the data. Deviations from the normal parameters of the elder are automatically detected and communicated to the assigned caregiver who can virtually visit the home through the Giraff robot.

During the past year, the Giraff has been improved to provide a warmer and more natural communication between users of the robot. Among the new features are adjustable height and night vision. The motion algorithms have been enhanced and the robots which have been deployed at the last nine test sites are equipped with laser scanners and RGB-D sensors. Choosing a collaborative mode, the pilot user can drive the robot with help from the mounted sensors.






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The Fifth Progress Meeting

The fifth project progress meeting took place May 27th -28th at the University of Coimbra, Portugal. The meeting was used both to discuss what actions needed to be done on a short-term basis, but also to discuss long-term strategic questions about the GiraffPlus system. There was also a discussion on where to host the first dissemination event. The preferred option within the consortia is to hold it in conjunction with the EIF-AHA conference of partners in Brussels. The possibility to do so will be investigated.




Left: Progress meeting in Coimbra. Right: The audience at the GiraffPlus and ISA Intellicare dissemination event in Coimbra, Portugal.

General Dissemination Activities

During the summer period, there have been quite a few dissemination activities. On May 14th, Antonio Damasceno from ISA Intellicare spoke about the project at the EU-US eHealth Marketplace Speakers' Corner. GiraffPlus was also presented by Guilio Bernardi and Andrea Orlandini from CNR-ISTC at the Italian health exhibition, ExpoSanità 2014, on May 21st.

On May 26th, GiraffPlus and ISA Intellicare organized a dissemination event at the University of Coimbra. Among the audience were end users, formal and informal caregivers, ICT developers, regulators and opinion makers, media and GiraffPlus team members. They were provided with information about the project, its current status, evaluations with users and exploitation. Demos of the GiraffPlus system were made and several in the audience took the chance to interact with an Italian test site while connected via a Giraff robot.

The GiraffPlus mobile middleware was presented on the International workshop on Distributed Mobile Systems & Services (DMSS 2014) in conjunction with the 10th IEEE Symposium on Computers and Communications (ISCC2014) held in Madeira, Portugal, on June 23rd. Filipo Palumbo from CNR-ISTC presented the paper "GP-m: Mobile Middleware Infrastructure for Ambient Assisted Living" and the functionalities of the mobile middleware used in GiraffPlus to a very interested audience. On June 30th, Andrea Orlandini from CNR-ISTC gave an invited keynote on GiraffPlus at the Workshop on Artificial Intelligence Techniques for Ambient Intelligence (AIT-AI), co-located with the 10th IEEE International Conference on Intelligent Environments (IE 2014) in Shanghai, China. Andrea presented the technical work done in the GiraffPlus project and also provided suitable paper references.

The project coordinator Amy Loufi was one of the invited speakers at the workshop "New Frontiers of Service Robotics for the Elderly" in Edinburgh, Scotland on August 25th. The workshop was dedicated to the memory of Professor Silvia Coradeschi. The title of Amy's talk was, "Combining Long Term Monitoring and Social Interaction: An Overview of the GiraffPlus Project after Two Years". Stephen von Rump, from Giraff AB, was one of the speakers at the Digital Health 2014 conference in Stockholm on August 25th. Stephen gave a presentation via a Giraff robot during the session "Donno arginto Dr. Roboto - IoT near you". His presentation was entitled "Meet the Future - Say Hello!" He spoke about how the project sees the initial commercial service unfolding in Europe and North America.

Read more about the dissemination activities under the News tab on our web site!

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www.giraffplus.eu

Follow up on European Commission Press Release

In the spring 2014 Newsletter, we happily announced that the European Commission has dedicated a press release on May 5th about GiraffPlus and a video shot at the home of an Italian test person, Nonna Lea.



The press release is available in English, French, German, Spanish, Italian, Swedish and Finnish and can be found at: http://europa.eu/rapid/press-release_IP-14-515_en.htm. The video "Nonna Lea and a robot called Mr. Robin" which is available on youtube.com/DigitalAgendaEU, youtube.com/giraffplus and at European Commissions Audiovisual Services, spread quickly and had been viewed more than 15000 times within two weeks from the press release.

In a media coverage analysis for the period 05/05/2014 to 20/05/2014, EC found that the press release resulted in more than 160 items with a geographic spread over 14 countries. The coverage in Italy and Spain was particularly good.

Since the press release, GiraffPlus has been covered by many important news channels inside and outside the EU including CNN, the Asian News International (ANI), Zee News (major Indian TV channel), Italian RAI, Spanish RTVE, Euronews, CNC (a 24 hour global English-language Chinese news channel), Reuters and New York Times.

GiraffPlus is truly grateful to in particular two test persons, Nonna Lea for starring the video in the EC press release and numerous other videos on request by media and Adolfo Marcos Fernández for playing a similar role amongst media in Spain.

A Testsite Update

The deployment of the last nine test sites in the GiraffPlus project has been finalized. Additionally, the GiraffPlus system has been deployed at three new test sites which replace three of the test sites installed during 2013. The reason for drop out in all three cases have been a deteriorating health condition. To summarize, a total of twelve new test sites have been deployed, four in each of the countries Italy, Spain and Sweden. With a total number of 18 test sites during the course of the project, we are obtaining important feedback regarding the need to personalize the system according to each individual user's personal needs.

Coming up Activities

During the upcoming months, the work within the GiraffPlus project will focus on the development of the final prototype of the system and on closure of the fifteen running test sites. While following up the test sites, a number of factors will be investigated. These include: usefulness and usability, barriers, as well as, drivers to use the GiraffPlus system among the different stakeholders. What actually happens after the system is removed will also be investigated. What parts of the system have become part of everyday life to such an extent that they are missed when the system is removed?

Find the M30 video and the press release video at www.youtube.com/giraffplus.

Check www.giraffplus.eu and look for us at www.facebook.com/giraffplus and Twitter: [@giraffplus](https://twitter.com/giraffplus) for more updates!

Figure 35 10th Newsletter September 2014

Appendix E: Attended Events Related to Exploitation

Date	Place	Event Name	Target Audience	Scope	Partner Involved	Type of Participation
2014-08-07	Indianapolis, USA	GiraffPlus Investor and Care Organization Conference	12 Investors and care organization representatives	Presentation and demonstration of GiraffPlus concept	Giraff Technologies AB	Presenter
2014-08-25	Stockholm, Sweden	Digital Health Days conference	60 health care industry representatives from around EU	Presentation and demonstration of GiraffPlus service concept	Giraff Technologies AB	Presenter
2014-09-08	Toronto, Canada	GiraffPlus Investor and Care Organization Conference	12 investors and care organization representatives	Presentation and demonstration of GiraffPlus concept, including online demonstration of DVPIS	Giraff Technologies AB	Presenter
2014-09-09	Bucharest, Romania	AAL Forum side event on Business Models	~25 industry representatives	Presentation of GiraffPlus business model	Giraff Technologies AB	Presenter
2014-09-10	Bucharest, Romania	AAL Forum session Value Propositions	~50 industry representatives	Presentation of GiraffPlus and VictoryaHome (related AAL project) value proposition	Giraff Technologies AB	Presenter
2014-09-11	Bucharest, Romania	AAL Forum session IPR Considerations	~30 industry representatives, mostly from academic and commercial organizations	Presentation of IPR considerations relevant to GiraffPlus project	Giraff Technologies AB	Presenter
2014-09-11	Ottawa, Canada	Canadian Health Summit	~100 health care industry representatives from Canada and France	Presentation and demonstration of GiraffPlus concept	Giraff Technologies AB	Presenter
2014-10-29	Toronto, Canada	Home care investor and care organization conference	15 investors and care organization representatives	Presentation and demonstration of GiraffPlus concept	Giraff Technologies AB	Presenter
2014-11-03	Indianapolis, US	Seminar, insurance payer and home care organization conference	10 health insurance payers and care organization representatives	Presentation and demonstration of GiraffPlus concept	Giraff Technologies AB	Presenter

Appendix F: Subset of sources citing Press Release “Nonna Lea”

EU online sources - provided by Ebiquity			
Item Date	Media Channel	Country	Article Link
2014-05-05	neurope.eu (New Europe online)	Belgium	http://www.neurope.eu/article/robin-robot-helps-take-care-94-year-old-italian-grandma-lea
2014-05-09	Express.be	Belgium	http://ct.moreover.com/?a=17663438400&p=1ad&v=1&x=0D6i5r6orC80aFesB5_VkQ
2014-05-09	Express.be	Belgium	http://www.express.be/business/nl/technology/ook-europa-zet-nu-robots-in-om-bejaarden-te-verzorgen/204948.htm
2014-05-05	Actualno.com	Bulgaria	http://interest.actualno.com/Robot-pomaga-na-vyzrastni-hora-da-jivejat-sami-vkyshti-news_26756.html
2014-05-08	focus-news.net	Bulgaria	http://www.focus-news.net/news/2014/05/08/1915850/roboti-se-grizhat-za-vazrastni-hora-po-proekt-finansiran-ot-es.html
2014-05-08	Novinite.com	Bulgaria	http://www.novini.bg/news/198971-%D1%80%D0%BE%D0%B1%D0%BE%D1%82%D0%B8-%D1%81%D0%B5-%D0%B3%D1%80%D0%B8%D0%B6%D0%B0%D1%82-%D0%B7%D0%B0-%D0%B2%D1%8A%D0%B7%D1%80%D0%B0%D1%81%D1%82%D0%BD%D0%B8-1%85%D0%BE%D1%80%D0%B0-%D0%BF%D0%BE-%D0%BF%D1%80%D0%B0%D0%B5%D0%BA%D1%82-%D1%84%D0%B8%D0%BD%D0%B0%D0%BD%D1%81%D0%B8%D1%80%D0%B0%D0%BD-%D0%BE%D1%82-%D0%B5%D1%81.html
2014-05-05	philenews.com	Cyprus	http://www.philenews.com/el-gr/eidiseis-technologia/53/197716/rompot-kai-aisthithires-stin-ypiresia-ton-ilikiomenon-tis-evropis
2014-05-07	ikypros.com	Cyprus	http://ikypros.com/?p=13621
2014-05-10	Rozhlas.cz	Czech Republic	http://www.rozhlas.cz/zpravy/technika/_zprava/seniorum-bude-pomahat-novy-robot-zmeri-tlak-nebo-upozorni-na-otevrene-okno--1348708
2014-05-05	informatiquenews.fr	France	http://www.informatiquenews.fr/robot-prend-soin-de-lea-mammy-italienne-de-94-ans-14053
2014-05-05	nextinpact.com	France	http://www.nextinpact.com/news/87376-eu-technologie-au-seours-l-autonomie-personnes-agees.htm?utm_source=PCI_RSS_Feed&utm_medium=news&utm_campaign=pcinpack
2014-05-05	Numerama.com	France	http://www.numerama.com/magazine/29280-bruxelles-veut-mettre-des-robots-espions-chez-les-personnes-agees.html
2014-05-05	pcinpack.com	France	http://m.nextinpact.com/news/87376-eu-technologie-au-seours-l-autonomie-personnes-agees.htm?vc=1
2014-05-06	humanoides.fr	France	http://www.humanoides.fr/2014/05/06/giraff-le-robot-europeen-qui-prend-soin-des-personnes-agees/
2014-05-06	nouvelordremondial.cc	France	http://www.nouvelordremondial.cc/2014/05/06/bruxelles-veut-mettre-des-robots-espions-chez-les-personnes-agees-video/
2014-05-06	rslnmag.fr	France	http://www.rslnmag.fr/post/2014/05/06/des-robots-pour-assister-les-personnes-agees-au-quotidien.aspx
2014-05-06	toulouse7.com	France	http://www.toulouse7.com/2014/05/06/e-sante-toulouse-sadir-assistance/
2014-05-07	silvereco.fr	France	http://www.silvereco.fr/union-europeenne-le-projet-giraffplus-combine-robotique-et-domotique-pour-prendre-soin-des-personnes-agees/3115899
2014-05-07	Techno-sciences.net	France	http://www.techno-science.net/?onglet=news&news=12769
2014-05-07	lemarchedesseniors.com	France	http://www.lemarchedesseniors.com/Strategie_Marketing/silver_economie_giraffplus_robot_seniors-11153-2.html
2014-05-12	agevillage.com	France	http://www.agevillage.com/actualite-11259-1-l-italienne-nonna-lea-94-ans-et-son-robot-m-robin.html
2014-05-12	agevillagepro.fr	France	http://www.agevillagepro.com/actualite-11259-1-l-italienne-nonna-lea-94-ans-et-son-ro-RSS.html
2014-05-05	02elf.net	Germany	http://www.02elf.net/europa/roboter-robin-hilft-bei-der-pflege-der-94-jaehrigen-italienischen-oma-lea-494173
2014-05-05	ln.gr	Greece	http://tech.in.gr/news/article/?aid=1231316041
2014-05-05	kathimerini.gr	Greece	http://www.kathimerini.gr/765628/article/tecnologia/gadgets/italida-94-etwn-sygkatoikei-me-rompot-fylaka
2014-05-06	irishexaminer.com	Ireland	http://www.irishexaminer.com/world/cwgbqlojsnid/rss2/
2014-05-05	24hlive.it	Italy	http://www.24hlive.it/giraffplus-il-robot-badante-e-in-fase-di-test-4088
2014-05-05	affaritaliani.it	Italy	http://www.affaritaliani.it/affari-europei/robot050514.html
2014-05-05	newshub.it	Italy	https://it.newshub.org/robin-il-robot-europeo-che-si-prende-cura-di-nonna-lea-video-749271.html
2014-05-05	ansa.it	Italy	http://www.ansa.it/english/news/science_technology/2014/05/05/94-yr-old-in-rome-lives-wrobot-care_00b22eae-b38e-4164-a543-e53dcb2e2844.html
2014-05-05	ansa.it	Italy	http://www.ansa.it/scienza/notizie/rubriche/tecnologia/2014/05/05/a-94-anni-nonna-lea-collauda-robot-badante-per-lei-mr-robin_d3b44512-ec20-49a8-89a3-531cf41411f7.html
2014-05-05	avvenire.it	Italy	http://www.avvenire.it/ScienzeTecnologia/Pagine/robot-badante-nonna-lea.aspx
2014-05-05	capannorinews.info	Italy	http://www.capannorinews.info/2014/05/05/nonna-lea-convive-con-mister-robin-robot-badante-che-migliora-sua-esistenza/
2014-05-05	Caserta News.it	Italy	http://www.casertanews.it/public/articoli/2014/05/06/062042_salute-roma-arriva-giraffplus-robot-badante-assistere-anziani.htm
2014-05-05	cinququotidiano.it	Italy	http://www.cinququotidiano.it/territori/vita-in-citta/2014/05/06/robot-badante-roma-lea-mina-ralli/#.U2IMQoLPxbl

2014-05-05	corriere.it	Italy	http://vitadigitale.corriere.it/2014/05/05/la-nonna-e-il-robot/
2014-05-05	fasi.biz	Italy	http://www.fasi.biz/it/strategie/10972-fondi-ue-finanziamenti-per-robot-a-misura-d-uomo.html
2014-05-05	fibonacci.it	Italy	http://www.fibonacci.it/notizietecnologiche/tecnologiche/?p=184868
2014-05-05	Gazzetta del Sud.it	Italy	http://www.gazzettadelsud.it/news/english/90769/94-yr-old-great-grandmother-in-Rome-lives-w-robot-care.html
2014-05-05	Liquida.it	Italy	http://www.greenreport.it/news/comunicazione/robin-robot-europeo-si-prende-cura-nonna-lea/#prettyPhoto[videoSpot]/0/
2014-05-05	Greenreport.it	Italy	http://www.greenreport.it/news/comunicazione/robin-robot-europeo-si-prende-cura-nonna-lea/
2014-05-05	politicaecologia.it	Italy	http://www.politicaecologia.it/ecologia/robin-il-robot-europeo-che-si-prende-cura-di-nonna-lea-video.php
2014-05-05	HDblog.it	Italy	http://www.hdblog.it/2014/05/05/GiraffPlus-il-robot-che-monitora-gli-anziani-lo-testa-Nonna-Lea-video/
2014-05-05	Ilmattino.it	Italy	http://www.ilmattino.it/primopiano/cronaca/robot_badante_lea_94_anni_protetta/notizie/667991.shtml#fig-slider1
2014-05-05	ilsecoloxix.it	Italy	http://www.ilsecoloxix.it/p/italia/2014/05/05/AQ2X4QkC-robot_robin_badante.shtml
2014-05-05	Informazione.it	Italy	http://www.informazione.it/a/FE5E19E2-C1BD-4758-A7DB-84CB8C1639C7/Nonna-Lea-a-94-anni-con-un-robot-come-badante
2014-05-05	italiaglobale.it	Italy	http://www.italiaglobale.it/2014/05/nonna-lea-a-94-anni-testa-il-robot-giraffplus/
2014-05-05	italia-sera.com	Italy	http://www.italia-sera.com/cronaca/cronaca/roma/8922-roma-robot-badante-per-la-94enne
2014-05-05	key4biz.it	Italy	http://www.key4biz.it/News/2014/05/05/Tecnologie/GiraffPlus_Lea_Mina_Ralli_Neellie_Kroes_Unione_Europea_224709.html
2014-05-05	lastampa.it	Italy	http://www.lastampa.it/2014/05/05/tecnologia/nonna-lea-a-anni-con-un-robot-come-badante-RXwcThzqn4x1G37jxyrFI/pagina.html
2014-05-05	leggo.it	Italy	http://www.leggo.it/index.php?p=articolo&id=667973
2014-05-05	lettera43.it	Italy	http://www.lettera43.it/tecnologia/informatica/robot-badante-per-gli-anziani-in-difficolta_43675128634.htm
2014-05-05	meteoweb.eu	Italy	http://www.meteoweb.eu/2014/05/roma-nonna-lea-a-94-anni-collauda-mister-robin-il-primo-robot-badante/281228/
2014-05-05	news.in-dies.info	Italy	http://news.in-dies.info/2014/05/il-robot-giraffplus-che-aiuta-nonna-lea/
2014-05-05	news24games.it	Italy	http://news24games.it/home/un-robot-come-badante-per-gli-anziani/
2014-05-05	panorama.it	Italy	http://mytech.panorama.it/giraffplus-badante-robot
2014-05-05	quotidiano.net	Italy	http://qn.quotidiano.net/curiosita/2014/05/05/1061300-badante-robot-nonna-lea.shtml
2014-05-05	Mondialibrasile.it	Italy	http://mondialibrasile.com/la-nonna-e-il-badante-robot-a-200-euro-al-mese-22219
2014-05-05	tomshw.it	Italy	http://www.tomshw.it/cont/news/il-primo-cyber-badante-lavora-in-italia-si-chiama-giraffplus/55782/1.html
2014-05-05	urbanpost.it	Italy	http://urbanpost.it/mister-robin-il-robot-che-assiste-gli-anziani-in-commercio-dal-2015
2014-05-05	west-info.eu	Italy	http://www.west-info.eu/it/il-badante-robot-casa-anziana-mister-robindi-roma/
2014-05-05	zeusnews.it	Italy	http://www.zeusnews.it/n.php?c=21003
2014-05-06	assodigitale.it	Italy	http://www.assodigitale.it/2014/05/06/mister-robin-il-robot-giraffplus-che-assiste-nonna-lea/
2014-05-06	ansa.it	Italy	http://www.ansa.it/saluteebenessere/notizie/rubriche/salute_65plus/assistenza/2014/05/05/nonna-lea-e-mister-robin-vivere-con-un-robot-a-94-anni_c1e4d734-f2c2-44b3-b411-952492afb9bc.html
2014-05-06	corriere.it	Italy	http://video.corriere.it/nonna-lea-robot/e5c4a3a4-d458-11e3-9778-04e759d64fc3
2014-05-06	Datamanager Online (www.datamanager.it)	Italy	http://www.datamanager.it/news/nonna-lea-e-la-sua-badante-robot-56063.html
2014-05-06	grr.rai.it	Italy	http://www.grr.rai.it/dl/grr/notizie/ContentItem-9eb1edde-38c9-4e5c-9002-538822acdf31.html
2014-05-06	IlMessaggero.it	Italy	http://www.ilmessaggero.it/ROMA/CRONACA/badante_robot_nonna_lea_progetto_ue/notizie/669769.shtml
2014-05-06	iltempo.it	Italy	http://www.iltempo.it/roma-capitale/2014/05/06/nonna-lea-collauda-il-robot-badante-1.1247047
2014-05-06	lultimaribattuta.it	Italy	http://www.lultimaribattuta.it/2463_nonne-tranquille-arriva-il-robot-badante-giraffplus
2014-05-06	mainfatti.it	Italy	http://www.mainfatti.it/robot/Assistenza-agli-anziani-arriva-Robin-robot-il-Grande-Fratello-della-terza-eta_061970033.htm
2014-05-06	mondialibrasile.it	Italy	http://mondialibrasile.com/il-robot-e-nonna-lea-storia-di-un-amore-del-terzo-millennio-22246
2014-05-06	nextme.it	Italy	http://www.nextme.it/tecnologia/robotica/7639-giraffplus-robot-badante-nonna-lea
2014-05-06	pixypost.it	Italy	http://www.pixypost.it/mister-robin-il-robot-che-terra-compagnia-moltissimi-anziani/6238
2014-05-06	Rai.it	Italy	http://www.rai.tv/dl/RaiTV/programmi/media/ContentItem-ee7e69c2-0cab-455f-bde3-2046916d6760-tg2.html?iframe
2014-05-06	tgcom24.mediaset.it	Italy	http://www.tgcom24.mediaset.it/cronaca/2014/notizia/roma-a-94-anni-nonna-lea-collauda-il-robot-badante-cosi-mi-sento-libera_2043005.shtml
2014-05-06	zazoom.it	Italy	http://www.zazoom.it/news/GiraffPlus-Robot-badante-Nonna-Lea-una-dai-6-anziani-collaudatori-27672.asp?id=27672
2014-05-06	Messina7.it	Italy	http://www.messina7.it/portal/dbnews.asp?IDN=22953&Titolo=GiraffPlus:-il-tuo-prossimo-badante-%C3%A8-un-robot
2014-05-06	palermomania.it	Italy	http://www.palermomania.it/news.php?social-gaming-ecco-la-nuova-frontiera-del-casino-online&id=62026
2014-05-06	roma.startupitalia.eu	Italy	http://roma.startupitalia.eu/29132/ecosystem/ecco-mister-robin-il-robot-che-si-prende-cura-nonna-lea/

2014-05-07	repubblica.it	Italy	http://roma.repubblica.it/cronaca/2014/05/07/news/la_mia_badante_robin_il_robot_la_vita_tecnologica_della_supernonna-85419590/
2014-05-07	repubblica.it	Italy	http://ricerca.repubblica.it/repubblica/archivio/repubblica/2014/05/07/la-mia-badante-e-robin-il-robot-la-vita-tecnologica-della-supernonnaRoma10.html
2014-05-07	lastampa.it	Italy	http://www.lastampa.it/2014/05/07/blogs/obliqua-mente/nonna-lea-blogger-a-anni-con-un-badante-robot-dGF32UhJneFHknDYZVitel/pagina.html
2014-05-07	media2000.it	Italy	http://www.media2000.it/?p=17484&utm_source=newsletter&utm_medium=email&utm_campaign=Media_Duemila_online_%C3%A8_stata_aggiornata_-_n%C2%80_15_07/05/2014
2014-05-08	intrade.it	Italy	http://www.intrade.it/attualita/2014/05/08/notizia18587.shtml
2014-05-09	cloudpeople.it	Italy	http://www.cloudpeople.it/2014/05/09/la-badante-e-un-robot/?doing_wp_cron=1400579889.4392409324645996093750
2014-05-10	ilgiornale.it	Italy	http://www.ilgiornale.it/video/cronache/svezia-arriva-badante-robotica-1017904.html
2014-05-13	ilsole24ore.it (Il Sole 24 Ore)	Italy	http://www.radio24.ilsole24ore.com/notizie/altra-europa/2014-05-13/nonna-anni-vita-robot-100917.php
2014-05-13	ilsole24ore.it (Il Sole 24 Ore)	Italy	http://www.radio24.ilsole24ore.com/notizie/altra-europa/2014-05-13/nonna-anni-vita-robot-100917.php
2014-05-17	TG3 pixel	Italy	http://www.tg3.rai.it/dl/tg3/rubriche/PublishingBlock-79554b45-1e4c-41a8-a474-ad3e22ab750f.html#
2014-05-05	telecompaper.com	Netherlands	http://www.telecompaper.com/nieuws/eu-investeert-in-innovaties-thuiszorg--1011717
2014-05-09	apparata.nl	Netherlands	http://www.apparata.nl/nieuws/deze-robot-neemt-zorg-voor-bejaarden-over-7147
2014-05-12	robots.nu	Netherlands	http://www.robots.nu/robotzorg-voor-ouderen-in-europa/
2014-05-05	publico.pt	Portugal	http://www.publico.pt/tecnologia/noticia/giraff-o-robo-e-assistente-pessoal-da-terceira-idade-1634822
2014-05-08	delo.si	Slovenia	http://www.delo.si/gospodarstvo/podjetja/klab-sodeluje-pri-razvoju-robota-za-starejse.html
2014-05-08	sta.si	Slovenia	http://www.sta.si/vest.php?id=2007095
2014-05-12	racunalniske-novice.com	Slovenia	http://www.racunalniske-novice.com/novice/dogodki-in-obvestila/robot-robin-spremlja-94-letno-italijanko-na-njenem-domu.html?GSMae98c3a8b42d8512eb2f3c3dbc8faf1d
2014-05-05	agenciasinc.es (sinc online)	Spain	http://ct.moreover.com/?a=17620495370&p=1ad&v=1&x=TknyLHfH30ALs2frtPzD4w
2014-05-05	Antena3.com	Spain	http://www.antena3.com/noticias/salud/union-europea-financia-proyecto-robin-robot-asistente-medico-hogar_2014050500266.html
2014-05-05	Cadenaser	Spain	http://www.cadenaser.com/ciencia/articulo/robin-robot-cuida-ancianos/csccsppor/20140505csccsccie_1/Tes
2014-05-05	eldiario.es	Spain	http://www.eldiario.es/sociedad/UE-financia-personas-mayores-hogares_0_256874944.html
2014-05-05	Larazon.es	Spain	http://www.larazon.es/detalle_normal/noticias/6280537/sociedad+tecnologia/la-ue-avala-un-proyecto-robotico-para-que-los-mayores-mejoren-su-independencia-en-el-hogar#.U2k0e_I_sbm
2014-05-05	Noticias.com	Spain	http://ct.moreover.com/?a=17622022614&p=uf&v=1&x=90tpjhVYAhNCmGdTp8d5g
2014-05-05	presspeople.com	Spain	http://www.presspeople.com/nota/europa-desarrolla-robot-asistencia-personas-mayores
2014-05-05	telecinco.es	Spain	http://www.telecinco.es/informativos/sociedad/proyecto_Robin-robot-cuidar-ancianos-sensores-androide-Union_Europea-Suecia_2_1791330250.html
2014-05-05	tribunasur.es	Spain	http://www.tribunasur.es/tecnologia/europa-desarrolla-un-robot-de-asistencia-a-personas-mayores.html
2014-05-06	Cuatro.com	Spain	http://www.cuatro.com/noticias-cuatro/en-directo/noticias-cuatro-20h/Noticias_Cuatro_20-00-Hilario_Pino_2_1791330248.html
2014-05-06	elboletin.com	Spain	http://www.elboletin.com/contraportada/97758/europa-desarrolla-robot-asistencia-mayores.html
2014-05-06	eleconomista.es	Spain	http://ct.moreover.com/?a=17632326088&p=1ad&v=1&x=SM6K3-zCfPJXg37UpidVwA
2014-05-06	ibercampus.es	Spain	http://ct.moreover.com/?a=17628859511&p=1ad&v=1&x=R7CAwJBnAU4B3Qo79nPgEA
2014-05-06	La Gaceta De Los Negocios Online	Spain	http://www.gaceta.es/noticias/robot-cuida-mayores-06052014-1216
2014-05-06	solidaridaddigital.com	Spain	http://ct.moreover.com/?a=17629575694&p=1ad&v=1&x=BNshJE3Cs5OTNkEfJkaElg
2014-05-07	Telecomkh.com	Spain	http://www.telecomkh.com/es/hogar-digital/productos-y-servicios/comision-europea/giraffplus/horizonte-2020/robots/6249
2014-05-11	cuentamealgobueno.com	Spain	http://ct.moreover.com/?a=1768868967&p=uf&v=1&x=AnppVWEUqCsuHKQbMfLZA
2014-05-12	elmeridianodecordoba.com.co	Spain	http://elmeridianodecordoba.com.co/component/k2/item/59669-desarrollan-un-robot-para-asistir-a-los-abuelitos
2014-05-13	laflecha.net	Spain	http://ct.moreover.com/?a=17703658013&p=1ad&v=1&x=Ox5Zl5G1juVXuVl7TQUcw
2014-05-15	actualyciencia.es	Spain	http://www.actualyciencia.es/desarrollan-robot-mayores/
2014-05-15	revistadeinnovacion.com	Spain	http://www.revistadeinnovacion.com/es/productos.php?var1=La%20UE%20financia%20un%20robot%20que%20asiste%20a%20personas%20mayores%20en%20sus%20hogares&nar1=MTAw
2014-05-19	elconfidencial.com	Spain	http://www.elconfidencial.com/ultima-hora-en-vivo/2014-05-19/la-sueca-el-robot-que-asiste-a-los-mayores_262625/
2014-05-19	ciencicola.com	Spain	http://www.ciencicola.com/2014/03/una-jirafa-robotica-conviene-con-los-mayores-y-los-comunica-con-sus-medicos-y-cuidadores/
2014-05-19	larazon.es (La Razon Digital)	Spain	http://www.larazon.es/detalle_normal/noticias/6403524/sociedad/la-sueca-el-robot-que-asiste-a-los-mayores#.Ttt1ZccqM9l8L7
2014-05-19	Actualidades.es	Spain	http://actualidades.es/noticias/%C2%ABla-sueca-%C2%BB-el-robot-que-asiste-a-los-mayores
2014-05-20	periodistadigital.com	Spain	http://www.periodistadigital.com/salud/investigacion/2014/05/20/llegan-espana-suecas-macizas-que-ciudaran-abuelo-buen-ojo-robot.shtml
2014-05-20	eldiadecordoba.es	Spain	http://www.eldiadecordoba.es/article/andalucia/1776500/la-sueca/robot/asiste/los/mayores.html
2014-05-20	diariodesevilla.es	Spain	http://www.diariodesevilla.es/article/andalucia

2014-05-20	diariodecadiz.es	Spain	http://www.diariodecadiz.es/article/andalucia/1
2014-05-20	Heraldo.es	Spain	http://www.heraldo.es/noticias/suplementos/salud/2014/05/19/sueca_robot_que_asiste_los_mayores_288741_1381024.html
2014-05-20	diariodejerez.es	Spain	http://www.diariodejerez.es/article/andalucia/1776500/la/sueca/robot/asiste/los/mayores.html
2014-05-20	Malagahoy.es	Spain	http://www.malagahoy.es/article/andalucia/1776500/la/sueca/robot/asiste/los/mayores.html
2014-05-20	periodistadigital.com	Spain	http://www.periodistadigital.com/salud/investigacion/2014/05/20/llegan-espana-suecas-macizas-que-ciudaran-abuelo-buen-ojo-robot.shtml
2014-05-20	europasur.es	Spain	http://www.europasur.es/article/andalucia/1776500/la/sueca/robot/asiste/los/mayores.html
2014-05-20	elalmeria.es	Spain	http://www.elalmeria.es/article/andalucia/1776500/la/sueca/robot/asiste/los/mayores.html
2014-05-20	laopiniondemalaga.es	Spain	http://www.laopiniondemalaga.es/malaga/2014/05/20/sueca-robot-asiste-mayores/678309.html
2014-05-05	Telecom Paper	United Kingdom	http://www.telecompaper.com/news/eu-funded-robot-helps-take-care-of-italian-grandmother--1011770
2014-05-05	robohub.org	United Kingdom	http://robohub.org/robot-helps-94-year-old-italian-grandmother-live-independently-at-home/
2014-05-06	cervelliamo.blogspot.co.uk	United Kingdom	http://cervelliamo.blogspot.co.uk/2014/05/si-sta-sperimentando-anche-roma.html#.U3Tg4qLPxbJ
2014-05-06	Wired.co.uk	United Kingdom	http://www.wired.co.uk/news/archive/2014-05/06/giraffplus-robots-for-the-elderly
International - spotted internally			
		USA	http://edition.cnn.com/2014/05/16/tech/innovation/meet-mr-robin-grandmas-robot
		USA	http://www.meddeviceonline.com/doc/will-robots-provide-care-for-the-elderly-0001
		Canada - CA	http://www.theglobeandmail.com/technology/digital-culture/an-apple-e-mail-security-flaw-google-searches-follow-you-and-robots-for-grandma/article18481280/
		Costa Rica - CR	http://walterfarah.net/tag/giraff-plus/
		India - IN	http://zeenews.india.com/news/science/now-robot-that-cares-for-you-round-the-clock_933278.html
		Israel - IL	http://www.ynet.co.il/articles/0,7340,L-4519355,00.html
		Japan - JP	http://wired.jp/2014/05/17/giraffplus-robots/
		Norway - NO	http://www.tu.no/it/2014/05/13/bestemor-lea-hyller-sin-pleierobot-med-dikt
		Switzerland - CH	http://ct.moreover.com/?a=17660363369&p=1ad&v=1&x=6A_QVTRhu_YNR03C_jK2-g
		USA	http://www.huffingtonpost.com/2014/05/28/robots-care-for-elderly_n_5331956.html?utm_hp_ref=tw
		USA	http://www.ideaslaboratory.com/post/94619189589/a-robotic-companion-for-the-elderly
		USA	http://www.technologyreview.com/news/531941/your-retirement-may-include-a-robot-helper/
		Turkey - TR	http://www.trtspanish.com/trtworld/Galeri/Media.aspx?MedyaKodu=a9b9f520-7437-45f6-a78f-cb3365e5add6&GaleriResimKodu=145a9c91-3ea1-4b6d-9e63-ce72f060abcd&dil=es
Audiovisual reports not available on the web - provided by CNR			
2014-05-06	Radio Città Futura - Le Strade di Roma	Italy	
2014-05-08	CANALE 5 - TGS H 20:00	Italy	
2014-05-09	RAI1 - Uno Mattina	Italy	
2014-05-15	Svet TV show	Slovenia	Teaser: https://www.facebook.com/photo.php?v=10152134032406443&set=vb.119653936442&type=3&theater
2014-05-16	Europe 1	France	https://dl.dropboxusercontent.com/u/6200896/Europe1%202014%205%2016%20NonnaLea.mp3
Print articles - provided by CNR			
2014-05-06	GIORNO/RESTO/NAZIONE	Italy	LA BADANTE DEL FUTURO E' UN ROBOT "CON MISTER ROBIN MI SENTO SICURA"
2014-05-06	IL GAZZETTINO	Italy	NONNA LEA, 94 ANNI, E "MISTER ROBIN" ECCO IL ROBOT-BADANTE CHE AIUTAVA GLI ANZIANI
2014-05-06	IL MESSAGGERO Cronaca di Roma	Italy	NONNA LEA E IL ROBOT: "SE HO LA PRESSIONE ALTA LUI SE NE ACCORGE"
2014-05-06	IL QUOTIDIANO DELLA BASILICATA	Italy	NONNA LEA CONTENTA DI VIVERE CON ROBIN
2014-05-06	IL QUOTIDIANO DELLA CALABRIA	Italy	NONNA LEA CONTENTA DI VIVERE CON ROBIN
2014-05-06	L'ARENA	Italy	NONNA LEA E MISTER ROBIN, UN ROBOT PER BADANTE
2014-05-06	LA PREALPINA	Italy	SI CHIAMA MISTER ROBIN L'AMICO DI NONNA LEA
2014-05-07	LA REPUBBLICA Cronaca di Roma	Italy	"LA MIA BADANTE E' ROBIN IL ROBOT" LA VITA TECNOLOGICA DELLA SUPERNONNA
2014-05-07	LA STAMPA	Italy	"CON ROBIN, IL BADANTE ROBOT FACCIO DA SOLA ANCHE IL BLOG"
2014-05-07	IL QUOTIDIANO DELLA BASILICATA	Italy	BADANTE ADIEU C'E' ROBIN
2014-05-07	IL QUOTIDIANO DELLA CALABRIA	Italy	BADANTE ADIEU C'E' ROBIN
2014-05-07	LA PROVINCIA DI CREMONA	Italy	ROBOT BADANTE PER LA SUPER NONNA LEA `AVERLO DENTRO CASA MI FA SENTIRE PINTE

2014-05-26	DiPiù	Italy	
2014-05--26	Gente	Italy	
2014-08-01	50+ Magasine	Italy	

Appendix G: Commission's Report on "Nonna Lea" Press Release

The following Appendix includes a report from the Commission about the widespread of the Press Release. It has been requested by the Commission that this report is not published and therefore it is only included in the restricted version of this deliverable.

Robin the robot helps take care of 94 year old Italian Grandma Lea

Media coverage from 05/05/2014 to 20/05/2014 (data as of 21/05/2014)



Summary

Communication material published on 5 May 2014

IP: [Robin the robot helps take care of 94 year old Italian Grandma Lea](#) (translated in DE, ES, FI, FR, IT, SV).

Video: 'Nonna Lea and her robot Mr Robin' (series 'Human faces of ICT') published on [YouTube](#) – more than 14,500 views, 3rd most viewed video on Digital Agenda YouTube channel (1st in 2014) – and on [EBS](#) – almost 900 views.

CORDIS story: [Robot caregivers help the elderly](#) (translated in DE, ES, FR, IT, PL).

A [blog](#) by Paul Timmers related to the project was published on 6 May following the Council adoption of the Ambient Assisted Living programme.

Collaboration with Representations

The press release was translated into the languages of the main partners of the projects (IT, ES, SV) and was sent in advance to the **Representations in Italy, Spain and Sweden that helped with the dissemination of the project.**

Collaboration was identified by the Representation in Italy as a **best practice**.

Media coverage – total: more than 160 items.

Geographical spread: 14 EU countries (BE, BG, CY, CZ, DE, EL, ES, FR, IE, IT, NL, PT, SI, UK) **and 9 non-EU countries** (CA, CH, CR, IL, IN, JP, NO, TR, USA).

- **Excellent coverage in Italy** (half of the total coverage) with reports by public – RAI (e.g. [TG2](#) and [TG3](#)) – and private – [TGCOM24](#) – **TV channels**. **Radio reports** were also produced by [RAI](#) and [Il Sole 24 Ore](#). Main national news agency [ANSA](#) (in [EN](#)) picked up the news as well as **important newspapers** such as [La Stampa](#), [La Repubblica](#) and [Il Corriere della Sera](#) (print and online versions).
- **Very good coverage in Spain**, with video reports by [Telecinco](#), [Cuatro](#) and by [La Razón](#) featuring other users of the GiraffPlus system. User Adolfo and "la Sueca" (the name given by Adolfo to the robot) were particularly well covered by Spanish press.
- **In Greece**, [Kathimerini](#) the "Greek Times" covered the news as well as specialised tech website [in.gr](#). The project had some good coverage ahead of the eHealth forum held in Athens on the week following the press release publication.
- **Outside the EU**, the project was covered by American, Asian, Norwegian, Swiss, Turkish and Israeli sources. A very interesting and extensive report was written by [CNN](#). The article also features the Accompany project and provides a good overview (research, market potential, ethical issues) of the sector. The tone is favourable: the article concludes that "*For now, robots such as Mr. Robin offer a priceless escape from isolation for people like Nonna Lea*". CNN report led to further coverage by **Asian News International** (ANI): the news item was published on the website of [Zee News](#), a major Indian TV channel. In Israel, an article on the website of [Yedioth Ahronot](#) featuring a video with Spanish user Adolfo can be highlighted.

Further comments

- Tone: most sources were favourable, highlighting how robots could help elderly people live better and longer at home. They also mentioned the important market potential of such systems. An unfavourable article on [Numerama](#) with misleading title "Bruxelles veut mettre des robots espions chez les personnes âgées" was spotted and mocked by the Commissioner's spokesperson on Twitter ([see exchanges](#)). Another similar article was published by [Le Temps](#) in Switzerland.
- Type: general ([Público](#), [Irish Examiner](#)) as well as specialised sources (in tech: [Wired/Vice Motherboard](#), in robotics: [Humanoïdes.fr/Robohub](#)) covered the project. TV and radio reports, online and print articles were collected.
- Commissioner Neelie Kroes was mentioned in more than 25% of the coverage.

→ More is expected to come in the following weeks. In Italy, reports in Italian magazines *Gente* and *Di Più* as well as a TV show [Elisir on RAI](#) are planned. In Spain, more coverage on user Adolfo is expected.

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Methodology

This document gives an estimation of the press coverage and is not exhaustive.

It is mainly based on the reports provided by the media monitoring company Ebiquity which covers online European press sources (EU 28).

Warning

This is an internal document that includes articles protected by copyright – please do not disseminate. Links to online public articles can be shared however.

Selection of articles

CZ – Czech Republic

10/05/2014

Český rozhlas

Seniorům bude pomáhat nový robot. Změří tlak nebo upozorní na otevřené okno

Staří lidé jen neradi odcházejí ze svých domovů. Kvůli špatnému zdravotnímu stavu se ale často musejí přestěhovat třeba do domů s pečovatelskou službou, kde mají každodenní péči. Možná už brzy ale budou moci babičky a dědečkové zůstat tam, kde si za celý život zvykli: na jejich zdraví totiž začnou dohlížet speciální roboti. Jednoho z prvních už má doma 94letá Italka Lea Mína Ralliová.

Paní Mína robotovi říká Pan Robin. Ve skutečnosti se ale jmenuje GiraffPlus a z peněz od Evropské unie ho vyvinul stejnojmenný tým. Je to robot, který pomáhá starým lidem.

Paní Mína byla ze začátku z robotovy přítomnosti dost zmatená. Doslova na něj zírala a byla tak trochu v šoku. Rychle si na něj ale zvykla.

Robotovým úkolem je pomocí speciálních senzorů sledovat její zdravotní stav. Kdyby se zhoršil nebo třeba kdyby paní Mína zakopla a upadla, hned zavolá pomoc. Paní Mínu zase upozorní třeba na takové banality, jako je špatně zavřená lednička nebo otevřené okno.

Zprávy

Volby do EP 2014 Domáci Zahraničí Ekonomika Sport Věda Kultura Komunita

Věda Teleskop Člověk Zvěř Příroda Historie Věstír

Seniorům bude pomáhat nový robot. Změří tlak nebo upozorní na otevřené okno

10. květen 2014 v 11:37

Staří lidé jen neradi odcházejí ze svých domovů. Kvůli špatnému zdravotnímu stavu se ale často musejí přestěhovat třeba do domů s pečovatelskou službou, kde mají každodenní péči. Možná už brzy ale budou moci babičky a dědečkové zůstat tam, kde si za celý život zvykli: na jejich zdraví totiž začnou dohlížet speciální roboti. Jednoho z prvních už má doma 94letá Italka Lea Mína Ralliová.

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Nonna Lea and a robot called Mr. Robin

Robot dává paní Míne hlavně pocit bezpečí. Žije sama, její děti byli daleko, a tak ve svém věku může bydlet doma jediná dítka robotovi. Ten je nejen jejím strážcem, ale tak trochu i osobním lékařem.

Jak říká Gabriela Cortesiová z týmu GiraffPlus, robot paní Míne máli tlak nebo třeba množství cukru v krvi. A dále pro ni také pravidelně videoconferencí s jejím skutečným lékařem. Tento robot se s podporou Evropské unie začne vyrábět už od příštího roku.

05/05/2014

*Kathimerini***Ιταλίδα 94 ετών συγκατοικεί με ρομπότ-«φύλακα»**

Εξοικειωμένη με τους υπολογιστές σε τέτοιο βαθμό ώστε να έχει δικό της μπλογκ, το οποίο μάλιστα ανανεώνει σε καθημερινή βάση, η Lea Mina Ralli, 94 ετών, ήταν η ιδανική «εθελόντρια» για να δοκιμάσει τις τεχνολογίες που αναπτύσσονται στα πλαίσια του ευρωπαϊκού πρότζεκτ GiraffPlus.

Στόχος του πρότζεκτ είναι να δημιουργήσει ένα σύνολο συσκευών που θα επιτρέπει την ανεξάρτητη διαβίωση ηλικιωμένων όπως η Mina Ralli, οι οποίοι θέλουν να εξακολουθήσουν να μένουν μόνοι τους, παρά τις δυσκολίες που αντιμετωπίζουν λόγω προχωρημένης ηλικίας. «Πολλοί με ρωτούν γιατί δεν μένω με την κόρη μου, όμως εκείνη έχει τη δική της οικογένεια και επομένως αρκετές ευθύνες», λέει χαρακτηριστικά η υπερήλιξ στο αφιέρωμα που έκανε η Κομισιόν στο πρότζεκτ.

Στις συσκευές του GiraffPlus περιλαμβάνεται ένα ρομπότ «τηλεπαρουσίας», το οποίο αναλαμβάνει την επικοινωνία της ηλικιωμένης με τον «έξω κόσμο». Μέσω της κάμερας στο «πρόσωπό» του, των μικροφώνων και των ηχείων του, το ρομπότ της επιτρέπει να επικοινωνεί οποιαδήποτε στιγμή μέσω εικόνας και φωνής με τους συγγενείς, τους φίλους, και τους γιατρούς που την παρακολουθούν.

Όπως συμβαίνει και με τις υπόλοιπες συσκευές του πρότζεκτ, η 94χρονη Ιταλίδα «συγκατοικεί» με το ρομπότ εδώ και 5 μήνες, το οποίο έχει βαφτίσει «Mr. Rodin», γράφοντας συχνά για αυτό στο μπλογκ της. «Με τον Mr. Rodin νιώθω πιο ήσυχη για τα χρόνια που έρχονται, όπως και τα παιδιά και τα εγγόνια μου», συμπληρώνει. Στα πλαίσια του πρότζεκτ, έχει επίσης αναπτυχθεί μια μεγάλη ποικιλία από αισθητήρες, οι οποίοι έχουν σχεδιασθεί για να ελέγχουν διάφορες δραστηριότητες (π.χ. το μαγείρεμα ή τον ύπνο), όπως και συσκευές που μετρούν την πίεση του αίματος ή το σάκχαρο. Με αυτό τον τρόπο, οι υπεύθυνοι μπορούν να παρακολουθούν την καθημερινότητα του ηλικιωμένου και να ελέγχουν πως δεν έχει προκύψει κάποιο πρόβλημα.

Στο GiraffPlus συμμετέχουν επιστήμονες από 6 ευρωπαϊκές χώρες, ενώ στόχος είναι μέχρι το τέλος της χρονιάς η πλατφόρμα να έχει εγκατασταθεί σε 15 ακόμη σπίτια για δοκιμές. Με βάση το χρονοδιάγραμμα, οι τεχνολογίες θα διατεθούν στο εμπόριο από τα τέλη του 2015.



06/05/2014

Telecinco

Un robot, el mejor compañero de piso para los ancianos

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Montoro anuncia la reducción de los tramos del IRPF de siete a cinco a partir de enero de 201

Un robot, el mejor compañero de piso para los ancianos

El proyecto Robin vigila con sensores y un androide la salud de los mayores que viven solos

06.05.14 | 21:35h. | Informativos Telecinco |

Etiquetas: proyecto Robin · robot · cuidar · ancianos · sensores · androide · Unión Europea · Suecia

TELECINCO.es



f t >

Se llama Robin, es un robot y parece que ha llegado del futuro para cuidar de los ancianos. Es un invento sueco que se está probando con algunos jubilados que viven solos. También en España. Es capaz de ver desde cuándo sube el azúcar hasta cuando se duerme la siesta. Con unos sensores el robot puede saber si el paciente se mueve por la casa, se mantiene activo. Javier González explica que esto se hace para detectar si un mayor está en depresión o tiene algún problema físico antes de que vaya a más. La tecnología la ha financiado la Unión Europea con tres millones de euros y de momento la están probando 6 personas de Suecia, Italia y España. La idea es que Robin se comercialice en 2015, con formas de financiación flexible para que los ancianos puedan tenerlo en casa y vivir más tranquilos.

Cuatro

Noticias Cuatro 20.00

(see as from 17.35)



ROBOT MÉDICO PARA PERSONAS MAYORES

La Unión Europea ha financiado el robot Robin. Lo están probando 6 personas en tres países. Les permite también hablar con su familia.

La UE avala un proyecto robótico para que los mayores mejoren su independencia en el hogar

La Unión Europea ha apoyado un proyecto de investigación, denominado 'Giraff+', que tiene como objetivo probar si una red de sensores, en cooperación con un robot, permitiría a personas ancianas llevar una vida más independiente y segura y disfrutar de relaciones sociales desde su vivienda.

La clave del sistema es 'Giraff', un robot de telepresencia que se desplaza por la vivienda de la persona y es capaz de interactuar con sus familiares, amigos y profesionales sanitarios por videoconferencia.

GiraffPlus es un sistema complejo que puede monitorizar la actividad que tiene lugar en una casa mediante una red de sensores que se encuentran distribuidos por la casa o en el cuerpo del propio usuario. Los sensores son utilizados para tareas como medir la presión sanguínea del usuario o detectar si éste se ha caído. Los servicios que provee GiraffPlus pueden ser preseleccionados y adaptados según los requerimientos de la persona mayor o del personal sanitario. En el corazón del sistema se encuentra un singular robot móvil teleoperado, el robot Giraff, que da nombre al proyecto. El robot utiliza un interfaz similar al de Skype que permite a diferentes usuarios, familiares, cuidadores o personal sanitario, visitar virtualmente a la persona mayor en su propia casa.

En el desarrollo del sistema se ha puesto especial énfasis en las evaluaciones y aportaciones de los usuarios con el fin de que el sistema final sea usable, accesible y atienda las necesidades y capacidades reales de los usuarios. El sistema GiraffPlus será instalado y evaluado en, al menos, 15 casas de personas mayores distribuidas entre Suecia, Italia y España. Estas evaluaciones guiarán el desarrollo del sistema.

Objetivos del Proyecto GiraffPlus

- Desarrollar un sistema basado en una red de sensores formada por sensores del entorno y sensores fisiológicos.
- Desarrollar servicios inteligentes que puedan extraer actividades de alto nivel a partir de los datos aportados por los sensores y dar robustez al sistema.
- Proveer servicios como alarmas que puedan llegar a cuidadores o familiares que podrán realizar la intervención adecuada a través del robot Giraff.

Detección de caídas

El sistema permite que los cuidadores del individuo interesado puedan vigilar a distancia su bienestar y detectar si se ha producido una caída. "Me preguntan por qué no me voy a vivir con mi hija, pero ella tiene a mis nietos y muchas otras responsabilidades. Pero con este asistente tan valioso, al que llamo 'Sr. Robin', veo con mayor tranquilidad los años venideros, y lo mismo les ocurre a mis hijos y nietos", ha comentado Lea Mina Ralli, una de las usuarias del prototipo y que tiene 94 años.

En este sentido, la coordinadora del proyecto, Amy Loutfi, ha informado de que el sistema se va a instalar en 15 viviendas antes del fin de 2014. Hasta ahora disponen de 6 casas en Europa (dos en España, dos en Suecia y otras dos en Italia) donde los ocupantes han convivido con el sistema 'GIRAFF+'.

"Nos encontramos a mitad de las evaluaciones, pero ya vemos que los distintos usuarios valoran de diversas maneras los diferentes aspectos del sistema. Ello nos enseña que no existe un enfoque único para todos en relación con esta tecnología doméstica, y que ésta debe ser adaptable y también ajustarse a las necesidades del usuario", ha apostillado.

Se prevé que el sistema se produzca a escala comercial el año próximo y se pueda contratar mediante un desembolso inicial y una cuota mensual que lo haría competitivo si se compara con el coste elevado y cada vez mayor de ingresar en una residencia.

Un robot, el mejor compañero de piso para los ancianos



The screenshot shows the homepage of the Spanish news website LA RAZÓN.es. At the top, there are social media icons and navigation links like 'Portada impresa', 'Hemeroteca', 'Secciones', 'Multimedia', and 'Suplementos'. The date 'Jueves, 15 Mayo 2014' and time 'Actualizado a las 12:47h' are displayed. The main header features the website's logo and a featured article snippet by Alfonso Ussía titled 'Cobarde juicio'. Below this is a horizontal menu with categories like 'OPINIÓN', 'ESPAÑA', 'INTERNACIONAL', etc. A section titled 'SE HABLA DE' lists topics such as 'Asesinato de Isabel Carrasco', 'Policía', 'Interior', 'Crisis en Ucrania', and 'Crecimiento'. The main content area is under the 'Videos' tab and features a large video player. The video title is 'Un robot, el mejor compañero de piso para los ancianos'. The video player shows an elderly woman sitting at a table next to a tall, dark robot. The video has a play button in the center and a progress bar at the bottom indicating 00:16 / 01:06. The timestamp '06 de mayo de 2014, 17:45h' is visible at the bottom of the video player.

06/05/2014

Irish Examiner

Granny's robot helper lets Lea live independent life

By [@quizzicalbrow](#)

At the age of 94, great-granny Lea has found her perfect little helper — Robot Robin.

The sprightly Italian lady lives alone in her apartment in Rome and wants to remain there as long as possible.

Her daughter is also a grandmother and doesn't have time or energy to look after her — but that is no problem thanks to a myriad hi-tech devices around her home.

Lea Mina Ralli has been testing out the new system called GiraffPlus for the past five months and is quite at home with her robot companion, which she calls Mr Robin.

As well as the robot, the system includes sensors around her apartment which detect activities such as cooking, sleeping, watching TV — and monitors her health including blood pressure and sugar levels.

They communicate with professional carers allowing her wellbeing to be checked remotely and alert them to any significant issues such as the person falling or doors left unlocked.

The robot also acts as a surrogate visitor with its monitor acting as a camera, showing the face of the person checking in virtually, and allowing them to move around the house with Granny Lea.

“My children live far away, my daughter is a grandmother herself and I feel safer now that this robot lives with me.

“With ‘Mr Robin’ I’m more relaxed about the years ahead, and so are my children and grandchildren”, said Lea, also known as ‘nonna’, the Italian for granny.

A professional writer for many years, she has been keeping everyone up-to-date with her experiences in her blog.



This also helps the researchers in GiraffPlus at Orebo University in Sweden to refine the devices developed with a €3m grant from the EU's research fund.

The system has been tried out by older people in six homes in Europe — two each in Spain, Sweden and Italy — and will now be extended to nine others in a number of other countries in the coming months.

Stephen Von Rump of Giraff Technologies says they find that the system needs to be adapted to the different nationalities and the user's specific needs.

They plan to put it into commercial production next year when they hope it will be taken up by older people who want to retain their independence living alone at home. They expect a good take-up as the cost will be met by an upfront fee and monthly subscriptions.

Neelie Kroes, the European commissioner responsible for the digital agenda said, "None of us is getting any younger. But we all want to know that we will not lose our dignity, respect and independence as we age. The EU is investing in new technology that can support the silver generation — adding not just years to our life, but also life to our years."

The EU market for robots and devices to help older people is estimated to reach €13bn by 2016.

IT – Italy

17/05/2013

[RAI TV](#)

[TG3 Pixel](#)



Pixel la nostra rubrica di tecnologia sostenibile. Parlermo, tra le altre cose, di un robot che fa da badante a un'anziana signora.

13/05/2014

[Il Sole 24 Ore](#)

[Nonna Lea, 94 anni: "La mia vita con un robot"](#)

Nonna Lea, 94 anni: "La mia vita con un robot"



"La mia badante è Robin il robot" la vita tecnologica della supernonnala Repubblica **Roma**

Data 07-05-2014

Pagina 10

Foglio 1

"La mia badante è Robin il robot"

la vita tecnologica della supernonna

Lea, 94 anni, testa il progetto "GiraffPlus" della Commissione Europea

Lo ha ideato il Cnr riprende tutti i movimenti e segnala le emergenze

RORY CAPPELLI

«S

HE HO paura del mio robot? Ma vogliamo scherzare? Certo, pare di vivere nel Grande Fratello, ma a mister Robin — l'ho chiamato così — ho anche dedicato una poesia. Eh, sì: perché io scrivo poesie. Ho anche un blog e alcune delle mie composizioni sono pubblicate proprioli, come quella dedicata a Lucio Dalla. Ho avuto tantissimi siti

negli ultimi venti anni, sono una delle prime nonne informatiche di Roma. Ho scritto 94 libri, uno per ogni anno di vita. Il mio blog l'hanno scoperto anche degli italiani che vivono all'estero, pensi, in Brasile, in Argentina: hanno preso a scrivermi, a chiedermi consigli, anche ricette. Mi hanno invitato, pure: ma figuriamoci se vado! Così magari ci rimango secca proprioli e costringo i miei figli a dover rincorrere i miei resti in giro per il mondo. Ho ancora molti progetti, però, e molte cose da fare per il tempo che mi resta, che spero sia tanto». È un'incredibile fucina di creatività e vitalità nonna Lea, la 94enne romana scelta per testare il progetto GiraffPlus voluto dalla Commissione Europea e finanziato con 3 milioni di euro. Fra gli autori del progetto ci sono italiani del Consiglio Nazionale delle Ricerche, con l'Istituto di Scienza e Tecnologia del-

l'Informazione (Isti-Cnr), tra cui la ricercatrice Gabriella Cortellessa, e l'Istituto di Scienze e Tecnologie della Cognizione (Isti-Cnr), guidato da Amedeo Cesta.

Nonna Lea, Lea Mina Ralli, la super novantenne che vive dietro Piramide (e anche a questo monumento ha dedicato una divertente poesia, così come alla statua di Pasquino, un vero must), è tra i sei anziani — due svedesi, due spagnoli e due italiani, anzi «due italiane» dice Gabriella Cortellessa, «che sono appunto due donne novantenni, mentre in Svezia e Spagna sono tutti uomini» — scelti per sperimentare il robot a casa. Per fine annosi prevede di farlo entrare in 15 abitazioni, mentre per la fine del 2015 l'azienda produttrice Giraff Technologies ha in programma di commercializzare questa giraffa tecnologica: il costo per chi vorrà

munirsi del robot sarà di circa 2.000 euro all'inizio, per poi pagare un affitto mensile di circa 200 euro.

«È divertente averlo in casa» dice nonna Lea ridendo. «Sono vedova da più di venti anni e ora ho questa compagnia: il bello è che non protesta mai. Io già quando i miei 4 figli erano piccoli amavo scrivere e comporre poesie: e lo facevo, ma senza mai far mancare niente alla mia famiglia, cucinavo tutti i giorni, adesso non ci penso proprio. Ho altro da fare». Sul tavolo c'è un pila di libri; accanto un iMac ultima generazione con tastiera wireless. Tutt'intorno, sulle pareti, tra quadri e foto dei 4 figli, degli 8 nipoti, dei 2 pronipoti, le cellule fotolettiche collegate a Mister Robin che riprendono ogni movimento della super nonna tecnologica.

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ACASA
Nonna Lea Mina Ralli nella sua casa dietro Piramide insieme al robot. Il test fatto anche da un'altra romana

“Con Robin il badante robot faccio da sola anche il blog”



06/05/2014

RAI TV

TG2 – Notizie delle 13.00



Frutto di un progetto finanziato dall'Unione europea: Nonna Lea e il robot 'badante'



The image is a screenshot of a web page from Rai Giornale radio. The header features the Rai logo and navigation links. The main article is titled "FRUTTO DI UN PROGETTO FINANZIATO DALL'UNIONE EUROPEA Nonna Lea e il robot 'badante'". The sub-headline reads: "Mister Robin" come lo chiama la signora, 94 anni, le controlla la salute pronto ad aiutarla. The article text describes how a robot named "Mister Robin" helps Nonna Lea, a 94-year-old woman, by monitoring her health and contacting family or doctors in case of an emergency. It mentions that the robot is part of a project funded by the European Union. A photo shows the robot, which has a screen displaying a man's face, next to Nonna Lea. The caption below the photo says: "Mister Robin, il robot badante, con Nonna Lea (foto Ansa)".

FRUTTO DI UN PROGETTO FINANZIATO DALL'UNIONE EUROPEA
Nonna Lea e il robot 'badante'
'Mister Robin' come lo chiama la signora, 94 anni, le controlla la salute pronto ad aiutarla

ROMA - Un robot come badante. È quanto succede da 5 mesi a nonna Lea, una signora romana di 94 anni, che in casa ha un automa tuttofare cui ha dato il nome di 'Mister Robin'. Grazie all'assistente 'tecnologico' che controlla la sua salute, è pronto a intervenire se la signora dovesse cadere e la mette in contatto con videochiamate con parenti, amici e medici che la seguono, la donna è libera di poter vivere da sola nella sua casa. Lea Mina Rafi, nome completo di nonna Lea, è fra i sei anziani in Europa che hanno aperto la porta al robot badante frutto di un progetto della Commissione Europea.

Chiamato GraffPlus, il progetto è stato finanziato con 3 milioni dalla Commissione europea. "L'Ue investe in nuove tecnologie che possono aiutare la generazione d'argento, così che possiamo dare vita ai nostri anni, oltre che anni alla nostra vita", osserva Neelke Kroeze, vicepresidente e commissario responsabile per l'Agenda digitale. Era all'inizio del progetto a cura dell'Ansa.

Mister Robin, il robot badante, con Nonna Lea (foto Ansa)

06/05/2014

Público

Giraff, o robô e assistente pessoal da terceira idade

Sistema que utiliza robô e sensores acompanha todas as actividades do utilizador e consegue fazer a recolha de dados médicos.

É italiana, tem 94 anos, e recusou-se a trocar a sua casa em Roma por um lar. Demasiado ocupada a escrever livros, a alimentar um blogue e a realizar tarefas domésticas, Lea Mina Ralli não é muito diferente de outros idosos. Os filhos moram longe, tem necessidades sociais e médicas, mas insiste na sua independência. E conseguiu o que queria e o responsável é Mr. Robin, como carinhosamente trata o robô que passa 24 horas consigo desde Dezembro. A avó Lea, como gosta de ser chamada, é uma das seis pessoas que têm este tipo de assistência, ainda numa fase de testes.

Em Dezembro do ano passado, Lea escreveu pela primeira vez no seu blogue sobre Mr. Robin, um dos exemplares do projecto GiraffPlus, destinado à terceira idade, e liderado por investigadores da Universidade de Örebro, na Suécia. O projecto é financiado pela Comissão Europeia e já recebeu 3 milhões de euros em apoios. Conta ainda com o apoio de grupos de investigadores de vários países, empresas e serviços nacionais de saúde.

Entusiasmada com a nova presença, que Lea diz parecer-se com “um novo modelo da árvore de Natal”, a italiana passou a ter uma espécie de assistente pessoal que reage através da informação que recebe de sensores espalhados pela casa da idosa e têm um monitor que promove a interacção social com a utilizadora. Através dos sensores, o robô Giraff detecta todo o tipo de actividades de Lea, como cozinhar, dormir ou ver televisão, e monitoriza a sua saúde, através da leitura da pressão sanguínea, dos níveis de açúcar ou de oxigénio no sangue. Os dados recolhidos ficam disponíveis através de um software que pode ser acedido através de um interface no computador pessoal do utilizador. O aparelho permite ainda que a família e amigos acompanhem Lea e falem com ela através de um sistema semelhante ao Skype e lançar alertas em caso de acidente ou saúde.

“As pessoas perguntam-me porque não vou viver com a minha filha. Mas ela tem netos e muitas responsabilidades. Com este valioso assistente, a que chamo Mr. Robin, estou mais descansada nos próximos anos e os meus filhos e netos também”, conta Lea.



A italiana é uma das duas pessoas em Itália a ter este sistema e um das seis no mundo. Dois outros idosos têm o robô em Espanha e dois Giraff estão em funcionamento na Suécia.

O robô ainda não está a ser comercializado, o que só deverá acontecer no próximo ano. Para já, e até ao final de 2014, a GiraffPlus prevê ter um total de 15 robôs a funcionar nos três países. “Estamos neste momento a meio das avaliações mas confirmámos que vários aspectos do sistema são apreciados de forma diferente pelos utilizadores. Isso mostra que apenas uma abordagem à tecnologia não é necessariamente o melhor e que a tecnologia deve ser adaptável e customizada ao que os utilizadores precisam”, afirmou a coordenadora do projecto na Universidade de Örebro, Amy Loutfi, em comunicado.

A Comissão Europeia apoia novas tecnologias que permitam à terceira idade "viver de forma independente". Num comunicado divulgado esta terça-feira, a vice-presidente da Comissão Europeia e responsável pela Digital Agenda, Neelie Kroes, voltou a defender esta posição. “Todos queremos saber que não iremos perder a nossa dignidade, respeito e independência quando envelhecermos. A União Europeia está a investir em novas tecnologias que possam apoiar a 'geração prata', adicionando não apenas anos à nossa vida mas também vida aos nossos anos”.

Estima-se que o mercado europeu para robôs e outros aparelhos semelhantes destinados a prestar assistência a idosos atinja os 13 mil milhões de euros em 2016.

SI – Slovenia

15/05/2014

Svet TV show

Kako starostnikom pomagati na drugačen, moderen način



06/05/2014

Wired

'Skype on wheels' robot lets elderly remain at home for longer

By [@katieecollins](#)

Europe's ageing population leaves an increasing number of people in the same situation -- with a desire to remain in their homes, despite being unable to live alone any longer. One solution to overcome this discordance between people's personal wishes and their indisputable need for care is a robotics system partly funded by the EU and developed through an joint initiative by Swedish and Italian researchers entitled GiraffPlus.



A non-autonomous telepresence robot -- a "Skype on wheels", according to project coordinator Amy Loutfi -- is the focal point of the the system, and helps elderly people around their homes, as well as keeping them connected to their relatives, friends and to healthcare professionals. The person's health and activities are monitored by a series of sensors and pressure pads placed around the home, as well as wearable tech, the results of which are then fed back to a central system.

Almost all of the components needed to construct the robots are already commercially available, meaning that it isn't itself terribly difficult to put together. What is distinct is the service it provides. "The system itself and the technology should be generic enough that it works, depending on what your needs are," explains Loutfi, but during installation they will discuss with the person what their worries are to find out what alarms and alerts might be most relevant.

"Some people, for example, are concerned that they get up too often during the night. Other people are concerned that maybe that they don't go out of the house enough. And depending on their needs, we deploy the right sensors that they need so we can monitor these types of activities."

The sensors that are installed can measure everything from a person's blood pressure to detecting falls, meaning that specific events or unusual results can trigger an alert to family members or other caregivers. Giraff isn't designed to be a replacement to human care, but instead it complements it and allows elderly people to prolong the length of time they are able to live independently.

In total the system has been installed in six homes throughout Europe -- two in Spain, two in Italy and two in Sweden. One recipient of the system is a 94-year-old grandmother from Italy, who calls her

household robot "Mr Robin", frequently writes about it on her blog and credits for her feeling "more relaxed about the years ahead". By the end of this year, it's estimated that the full GiraffPlus system will be in a total of 15 homes and it will enter into commercial production in 2015.

"The main question that we haven't been able to solve yet and we're still looking at is of course, who is going to be the main customer? Is it going to be the elderly themselves, or will it be the healthcare providers?" If it's the healthcare providers, says Loufti, then they will have to start planning deployment on a country by country basis. "It needs a bit of work," she admits, "not from a technical point of view, but in really understanding the business models."

This report was translated for the [Japanese version of Wired](#)

The screenshot shows the Wired Japan website interface. At the top is the 'WIRED' logo with the tagline 'IDEAS • INNOVATIONS'. Below the logo is a navigation bar with 'TOPICS' and links to Apple, Google, Design, Music, City, Education, and 3D Printing. A search bar is also present. The main content area features a 'NEXT NEWS' section with two articles dated 2014.5.17 SAT. The primary article is titled '介護のためにロボットができること：高齢者の自立を助ける「Skype on wheels」' (What robots can do for care: Helping the independence of the elderly with 'Skype on wheels'). The article text describes a system that combines Skype, robots, and various sensors to help the elderly live independently at home, supported by the European Union. Below the text are social media sharing buttons for Facebook, Twitter, and Google+. A video player is embedded, showing an elderly woman, Nonna Lea, interacting with a blue robot named Mr. Robin. The video title is 'Nonna Lea and a robot called Mr. Robin'. Below the video, there is a paragraph in Japanese discussing the aging population in Europe and the challenges of care, followed by a link to the full article.

WIRED

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SEARCH WIRED JP 記事検索

NEXT NEWS

2014.5.17 SAT
次の記事 ケータイで終業に連絡すると「脳腫瘍のリスク」は増加する？

2014.5.17 SAT
アルカイダが使っているト：米企業報告

NEWS

2014.5.17 SAT

介護のためにロボットができること：高齢者の自立を助ける「Skype on wheels」

高齢者ができるだけ長く自宅で自立した生活ができるよう、スカイプを利用したテレプレゼンス・ロボットや、各種センサーを統合したシステムが、欧州連合の支援を受けて開発されている。

いいね! 387 ツイート 155 8+1 20 19

TEXT BY KATIE COLLINS
TRANSLATION BY TOMOKO MUKAI/GALILEO
[WIRED NEWS \(UK\)](#)

Nonna Lea and a robot called Mr. Robin

ヨーロッパ諸国では高齢者が増加しているが、お年寄りたちは、住み慣れた家で暮らしたいと思いつつながら、実際にはひとりで住むことは難しくなっていくというジレンマをかかえている。

人々の個人的な願いと、介護の必要性との間に生じる不一致を解消するひとつの方法が、欧州連合（EU）が支援するロボットシステムだ。

16/05/2014

CNN International

Meet Mr. Robin, grandma's robot buddy



By [@KieronMonks](#)

Almost eight years have passed since Bill Gates hailed a new era of "a robot in every home," and for most of us the sci-fi dream of an all-purpose automated assistant seems no closer.

But in her Rome apartment, 94-year-old author Lea Mina Ralli, known as "Nonna Lea" (Grandma Lea), enjoys 24-hour care courtesy of her live-in android, which she has named "Mr. Robin." The machine comprises a tablet screen attached to a mobile unit, remotely connected to sensors around Lea's home that monitor her vital signs and activity. It feeds this information to the carers who visit her regularly and signals them in a case of emergency, such as a bad fall or elevated blood pressure.

Mr. Robin also provides the more basic but valuable service of keeping Lea permanently connected to her family and medical staff, as they can converse via the robot's tablet-screen face at the touch of a button. This improved remote access allows her to remain independent.

It is very useful for older people who prefer to live in their own home where there are memories and comforts.

Lea Mina Ralli -- "Nonna Lea"

"It is very useful for older people who prefer to live in their own home where there are memories and comforts," Ralli said. "This automaton can become the companion of every elderly person who, while having to live alone, likes to feel protected."

Robot carers

The Italian is one of six participants in a ground-breaking trial of the [GiraffPlus system](#), an EU-funded project to bring robotics into the homes of the elderly and infirm, ahead of a commercial launch in 2015. It targets a demographic whose care has become a high-stakes riddle; aging populations are projected to push the cost of Alzheimer's patients [above \\$1 trillion](#) by 2050 in the United States alone, while growing use of care homes and their 24-hour support is also straining resources.

The team behind GiraffPlus hope taking their work out of labs and into people's homes will convince the public and health workers that the technology is a viable option, with the capacity to improve quality of life.

"We're trying to understand personal requirements rather than general requirements," said Amy Loutfi, the project coordinator and roboticist of Örebro University, Sweden. "The data can help us to understand if someone is eating or sleeping properly, and how to satisfy that need on a technical level. We have to break down broad user needs into something the technology can do."

Loutfi sees the robot as a supporting component in a system, rather than a replacement for existing methods or carers.

"You still need two people for the interaction -- the robot does not remove human contact from the loop but facilitates it," she said. "What's interesting with this project is that we don't need all the components in every home. People have different needs so we can work out what sensors are required and then have modular devices to interact with."

Loutfi points to existing simpler automatons, such as the Roomba vacuum cleaner and smart coffee machines for use by elderly patients. The Rosenborg Center in Denmark has created an environment populated with such tools.

But the emerging field of "robototherapy" suggests that wide-ranging interaction with an intelligent robot can deliver unique benefits. [Studies have shown](#) this can reduce feelings of stress and loneliness, while improving communication and social skills.

Robotherapy

We're trying to have the technology allow people the same level of interaction with the environment as when they were young.

Farshid Amirabdollahian, Accompany

While GiraffPlus largely facilitates interaction, fully autonomous service robots entering the market can engage in relatively complex relationships. [Accompany's](#) Care-o-bot 3 design is undergoing a final trial with elderly subjects in smart homes, in which it provides a number of services, from carrying items and opening doors, to monitoring the subject and recommending activities for them -- such as exercise or drinking water.

"We're trying to have the technology allow people the same level of interaction with the environment as when they were young," says project co-ordinator Farshid Amirabdollahian, associate professor in the school of computer science at the University of Hertfordshire, in the UK, highlighting the problem of isolation. "If they're being looked after -- being fed and not falling -- they are more active and connected to people. They can see their children. If it allows them to stay independent and socially active it can keep them out of care homes for longer."

He sees a wealth of health function possibilities. "There could be programs to help people to stay fit, have better nutrition or keep the mind active. Many of these are available as apps so it's not difficult to migrate these into robot assistance."

The Care-o-bot 3 enables interaction with the user through a tablet that allows them to see through the robot's "eyes" and give it instructions, or receive suggestions, accompanied by an empathic expression such as a sad face if the user ignores it. "The holy grail is for it to understand language," says Amirabdollahian, but admits that communication is limited to around the level of Siri, with the robot unable to comprehend background information.

The design will enter the market within three years pending final trials, and prospects for acceptance have been boosted by [the introduction of official standards](#) for service robots, passed by the International Standards Organization (ISO) in January, creating guidelines for safety around people.

"A simple rule in the low-risk category is that the robot should be less powerful than you," says Dr. Gurinder Virk of the ISO.

Virk believes the new rules are critical for commercial viability. "The low-risk model opens the market and there has been more enthusiasm from manufacturers. There are many companies with robot products but they are terrified that something goes wrong and then courts would liquidate them."

Growing market

A simple rule in the low risk category is that the robot should be less powerful than you.

Dr. Gurinder Virk, International Standards Organization

The market is already growing rapidly, with [3 million personal and domestic service robots](#) sold in 2012 -- a 20% increase on 2011. That figure could increase sharply, with the International Federation of Robotics projecting over 15 million sales between 2013-2016, with around 6,400 units for elderly and disability assistance over this time.

While the systems are initially expensive, proponents believe it will save in the longer term by delaying or preventing future treatment cost. Further, elderly people represent a lucrative market; globally, the spending power of consumers age 60 and older will hit \$15 trillion by the end of this decade, up from \$8 trillion in 2010, according to research from Euromonitor.

But there are ethical questions to address too, as service robots may threaten as well as enable autonomy, according to researchers Tom Sorell and Heather Draper, authors of research paper ["Robot carers, ethics, and older people."](#)

"The main tension is autonomy and safety, where the user is not allowed to judge," says Sorell, professor of philosophy and politics at the UK's University of Warwick. "Our view is that the user should be able to keep falls to themselves ... if the user is not cognitively impaired they should be allowed to live independently without interference unless there is a very serious health risk for them."

They say that focus groups with elderly people reflect a desire for a limited role for robotic support. "They wanted the robot to be assertive at times such as in reminding them to take tablets," says Draper, professor of biomedical ethics at the University of Birmingham, in the UK. "They were willing to be nagged for a direct health benefit rather than health promotion like standing in front of the TV, turning it off and telling them to get up and drink water. They did not like that."

Sorell and Draper have explored what is the ideal role for a service robot and recommend a focus on creating functions that enable users to act for themselves, rather than an empathic relationship with a human surrogate. It is an issue that has divided roboticists; Accompany has developed "coach" and "carer" roles, while Japanese firm AIST create pet-style [robotic seal helpers](#).

Form and function will continue to evolve as scientists try to perfect automated support without breaching ethical barriers. For now, robots such as Mr. Robin offer a priceless escape from isolation for people like Nonna Lea.

06/05/2014

Vice Motherboard

Robots Are Caring for Elderly People in Europe

By [@VickiTürk](#)

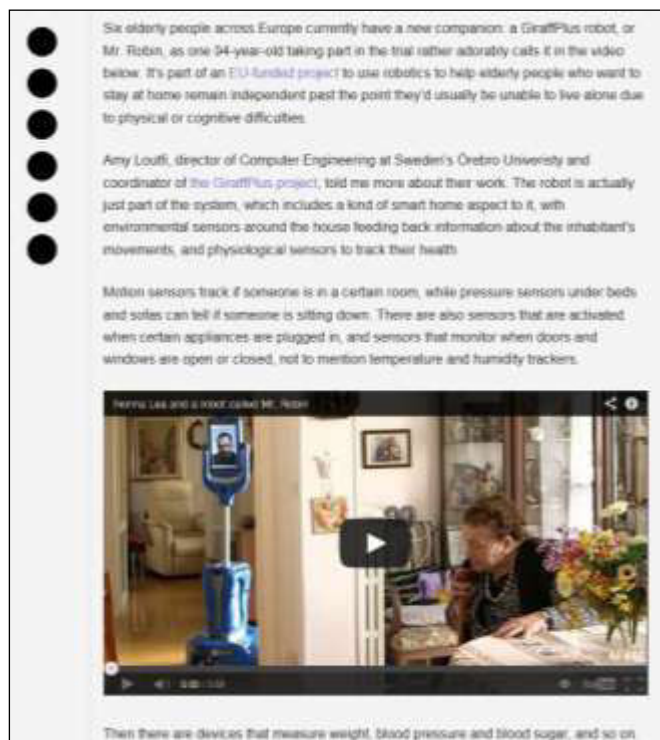


Judging by recent surveys, most people seem to think that robots that are actually useful will lead to some sort of apocalyptic machine uprising. But look past the military bots and automated job-stealers, and one of the most obvious applications of a service robot is an entirely unthreatening task humans are increasingly failing to meet demand for: caring.

Six elderly people across Europe currently have a new companion: a GiraffPlus robot, or Mr. Robin, as one 94-year-old taking part in the trial rather adorably calls it in the video below. It's part of an EU-funded project to use robotics to help elderly people who want to stay at home remain independent past the point they'd usually be unable to live alone due to physical or cognitive difficulties.

Amy Loutfi, director of Computer Engineering at Sweden's Örebro University and coordinator of the GiraffPlus project, told me more about their work. The robot is actually just part of the system, which includes a kind of smart home aspect to it, with environmental sensors around the house feeding back information about the inhabitant's movements, and physiological sensors to track their health.

Motion sensors track if someone is in a certain room, while pressure sensors under beds and sofas can tell if someone is sitting down. There are also sensors that are activated when certain appliances are plugged in, and sensors that monitor when doors and windows are open or closed, not to mention temperature and humidity trackers.



Then there are devices that measure weight, blood pressure and blood sugar, and so on. "All of the data from the sensors is stored in the database and based on this we can extract some activities, like if the person is sleeping or the person got up during the night; the person is watching television or cooking," said Loutfi.

The robot—which is not autonomous—complements this by allowing virtual visits from friends, family, and healthcare professionals. "It's basically the equivalent of Skype on wheels," said Loutfi. The user calls the robot and is able to direct it around the house to check in on the inhabitant, in a similar way to the telepresence robot we saw last week. It's intended to make visits easier for those who aren't immediately at hand—if you saw someone was up in the middle of the night, for instance, you could use the bot to make a virtual visit.

Separately, each device is nothing we haven't seen before, but used together they create a 24/7 monitoring system that demonstrates quite how machines can outperform us in roles that are traditionally considered inherently human, like looking after loved ones. "The system comprises all these different aspects, but it's putting them together that is really the novelty of the project," said Loutfi.

It's also remarkable that the system is already in use in the real world, albeit among initial test subjects. Loutfi admitted that brought its own issues, especially given the different needs and habits of each user. "It's not trivial to really make that jump to deploy the technology in the field," she said. Challenges could be as simple as someone deciding to dust one of the sensors and accidentally moving it, or unplugging one because it was making a noise or shining a light.

Then there's the issue of collating all that data into something useful. Loutfi said that developing a suitable interface for interpreting the constant stream of data is one of the main goals of the

research project. At the moment, only their own medical team have access to the information, and they're able to see either a weekly or monthly report based on the data collected.

It's intended as a complement to rather than a replacement for human-to-human visits, and Loutfi suggested it brought advantages like more continuous and objective measurements of how a person's getting on. And the robotic part is no excuse not to keep in touch with your great aunty Doris. "It doesn't necessarily take away the amount of social interaction; I would like to think it actually increases the amount of social interaction because it makes it easier for you to get on touch with the elderly person living at home," she said.

There are currently two of the systems in Italy, two in Spain, and two in Sweden, and while the research project ends this year, Loutfi said their plan was to make one of the companies involved responsible for marketing it for wider use.

Quite how enthusiastically service robots like this will be taken up probably depends on our own trust in technology, something that seems to have been wavering of late. In a PEW poll earlier this year, two thirds of American responders said robot caregivers for the elderly were a bad idea. A survey published today in the UK found that 46 percent of people thought technology was "evolving too quickly and undermining traditional ways of life."

But despite that distrust, the EU reports that the European market for robots assisting older people is expected to reach €13 billion by 2016. I guess we'll just have to wait and see whether that will end up predominantly in the form of multi-sensor monitoring systems, or animatronic baby seals.

Social media

Data as of 20/05/2014

Twitter

The most successful tweet on the topic was posted by CNN.

An important number of users also used the "share button" of the CNN article to publish their own tweet.

Other media published tweets ([La Stampa](#), [RAI TG2](#), etc.).

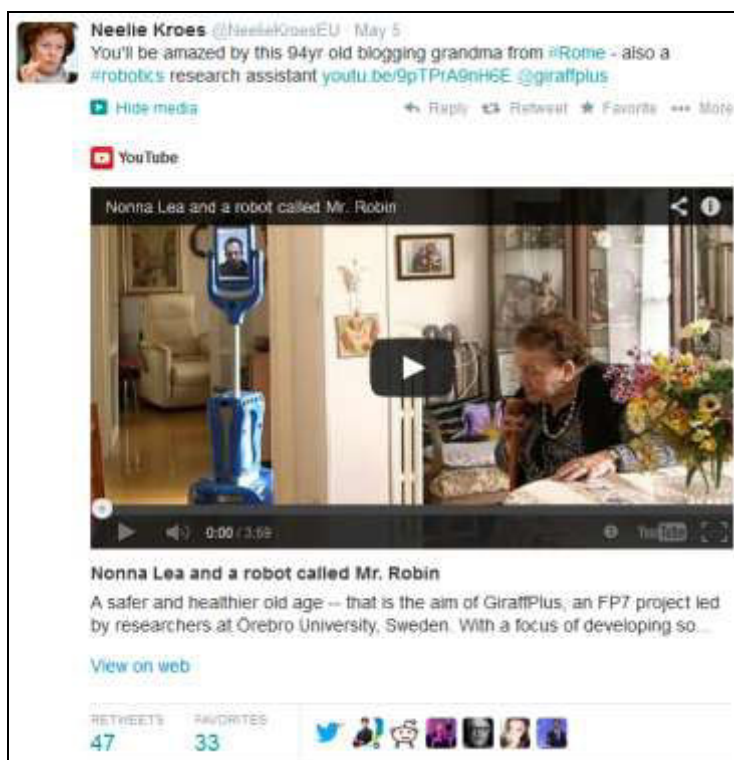
Approx. 1000 original tweets about the project were published, leading to several thousand interactions. The majority of tweets were in English and Italian.



Most successful tweets from @DigitalAgendaEU, from @NeelieKroesEU and thematic accounts:



<https://twitter.com/DigitalAgendaEU/status/465029752622186496>



<https://twitter.com/NeelieKroesEU/status/463255311496019968>

Facebook

Digital Agenda for Europe
5 May at 12:19 · Edited ·

Amazing story about 94 year old Italian Grandma Lea! She lives in Rome, writes a blog and tests the GiraffPlus system.

Thanks to her robot "Mr. Robin" she can connect to family, friends and healthcare professionals, while wearable devices and sensors throughout the home keep an eye on the person's health and activities. <http://ow.ly/wtXat> <http://ow.ly/wtXbK>

Nonna Lea and a robot called Mr. Robin
A safer and healthier old age -- that is the aim of GiraffPlus, an FP7 project led by researchers at Örebro University, Sweden.
YOUTUBE.COM

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8 Likes	7 On Post	1 On Shares
1 Comments	0 On Post	1 On Shares
7 Shares	4 On Post	3 On Shares

8 Post Clicks

0 Photo views	5 Link clicks	3 Other Clicks
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<https://www.facebook.com/DigitalAgenda/posts/665383293534979>

Digital Agenda for Europe via Anna Katrami
8 May at 16:31 ·

Nonna Lea could be your grandmother (or great-grandmother)!! She is a 94 y.o. inspiring lady testing robots in order to ensure people like her can remain autonomous at home for a longer time!! Brava Nonna Lea!!

'Skype on wheels' robot lets elderly remain at home for longer (Wired UK)
A non-autonomous telepresence robot is the focal point of a system that helps...
WIRED UK

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