



ROBOTS IN ASSISTED LIVING ENVIRONMENTS

UNOBTRUSIVE, EFFICIENT, RELIABLE AND MODULAR
SOLUTIONS FOR INDEPENDENT AGEING

Research Innovation Action

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DELIVERABLE 7.5

Dissemination and communication plan I

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Abstract

This report plans dissemination and communication activities during the first reporting period. The outcomes of the planned activities will be reported in the first periodic report (M12).

History and Contributors

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01	3 June 2015	First draft, establishing document structure.	NCSR-D
03	24 June 2015	Pre-final draft, incorporating input from all consortium.	All
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Executive Summary

RADIO is promoted through various channels. This includes communication of project concepts and results to a wider audience beyond academically and commercially interested stakeholders. This report plans in detail dissemination, communication and awareness activities that aim to:

1. Inform the research community of the state-of-the-art developments taking place in the project and how the project may affect its research field.
2. Foster community building and to realize impact on industry and research in Europe and worldwide.
3. Inform user groups and the public of the state-of-the-art developments taking place in the project and how it may affect their lives.

This report plans dissemination and communication activities during the first reporting period. The outcomes of the planned activities will be reported in the first periodic report (M12).

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1 INTRODUCTION

1.1 Purpose and Scope

This report plans dissemination, communication and awareness activities that aim to:

1. Inform the research community of the state-of-the-art developments taking place in the project and how the project may affect its research field.
2. Foster community building and to realize impact on industry and research in Europe and worldwide.
3. Inform user groups and the public of the state-of-the-art developments taking place in the project and how it may affect their lives.

1.2 Approach

This deliverable is prepared within Task 7.2, which promotes RADIO through various channels. This includes communication of project concepts and results to a wider audience beyond academically and commercially interested stakeholders. It also targets community building and cross-fertilization activities that besides the normal channels of publications, conference papers, workshop organization, and educational courses at university sites, will also focus on elaborating and presenting the selected case studies and how research results support them.

Task 7.2 comprises several subtasks:

- RADIO identity and on-line presence: RADIO Web site and social networking accounts.
- RADIO News Channel: Periodically updated news channel where the scientific advances and important project news will be reported biannually.
- RADIO Infographics: Visual representations of information, data or knowledge intended to present complex information quickly and clearly
- RADIO Book describing RADIO's approach in a prestigious international publishing house.
- Regular dissemination activities: participation and presentation of the project's research and technology results in scientific journals, bulletins, conferences, and workshops related to the academic partners' research areas.
- Liaisons and contributions to standards and specification bodies: monitoring relevant work and reporting RADIO results to and receiving feedback from relevant standardization bodies.
- Scientific workshops: organization of a series of annual workshops on the topics of the project at related scientific conferences.
- RADIO technology plug fests: organization of focused technical workshops and plug fests that the project will annually organize for software developers and researchers working on similar technologies, who would like to experiment with RADIO components and tools.
- Participation in public awareness events.

The rest of this report presents the consortium's plans with respect to public awareness and communication (Section 2), more targeted stakeholder awareness and communication (Section 3), and academic dissemination (Section 4).

1.3 Relation to other Work Packages and Deliverables

This deliverable plans dissemination and communication activities during the first reporting period. The outcomes of the planned activities will be reported in the first periodic report (M12).

2 PUBLIC AWARENESS AND COMMUNICATION

2.1 On-Line Presence

The RADIO Web site and social networking accounts shown in Table 1 have been set up in the context of Task 7.2, D7.18, M3.

The project's Web site first point of access describes the goals of the project in a simple jargon-free language. The Web site's home page gives a slide show of key project events and outcomes in a visual and jargon-free manner. This slideshow currently presents the project kick-off meeting and the first version of the RADIO robot design. The home page also links to fuller articles that discuss project events and outcomes in a jargon-free language intended for the general public. These articles are selected from the RADIO News Channel (accessible via the *News* menu item). An instance of the Radio website is shown in Figure 1.

The RADIO News Channel will regularly publish articles, videos, infographics, and other material disseminating to the public important scientific advances and interesting project news. NCSR-D will prepare at least two posts annually, based on the publishable summary of the periodic reports. All partners will contribute with further posts and audio-visual material based on project outcomes and activities. NCSR-D has the overall responsibility for running the News Channel, but all partners are expected to contribute content. The consortium members have been issued credentials for accounts that allow posting and editing their own content.

The RADIO logo (Figure 2) is used consistently in all RADIO outcomes and dissemination activities in order to visually consolidate the RADIO on-line presence.

2.2 Participation in public awareness events

Appreciating the importance of outreach activities, RADIO partners will participate and organise several public awareness events. The purpose of these events will be to raise the awareness of the public on the impact of RADIO in society, but also to familiarize the general public with the key concepts underlying unobtrusiveness and privacy in RADIO. This aims at demystifying robotic assistants and care-givers and cultivating among the public the *perception* of privacy and the acceptance of privacy-preserving monitoring solutions such as RADIO.

Table 1: List of mediums and channels employed to foster RADIO Web presence.

Channel	Address
Web site	http://www.radio-project.eu
Cordis project page	http://cordis.europa.eu/project/rcn/194112_en.html
Twitter	https://twitter.com/RadioProjectEU
Facebook	https://www.facebook.com/radioproject.eu
Google+	https://plus.google.com/+RadioProjectEu
LinkedIn	https://www.linkedin.com/grp/home?gid=8295907

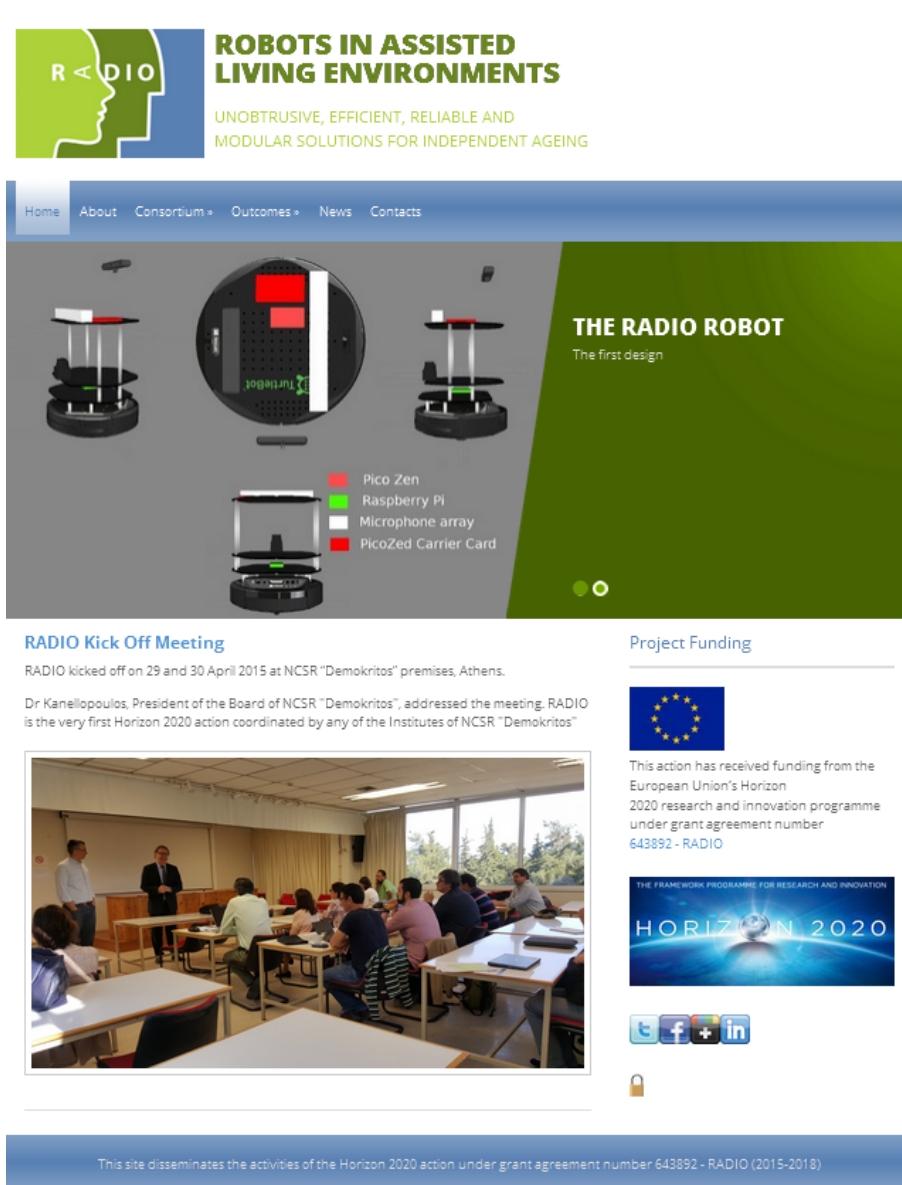


Figure 1: Characteristic screenshot of the RADIO website



Figure 2: The RADIO logo

More specifically, RADIO activities will:

- Promote the importance of the well-being of the elderly population and the relevant impact of RADIO and similar ICT solutions with talks and poster presentations.
- Increase public awareness about the risk for cognitive impairments, frailty and social exclusion and the relevant impact of RADIO and similar ICT solutions with talks and poster presentations.

Table 2 lists the specific events targeted during the first period of the project.

Public awareness events can be organised in liaison with national patient organisations related to, among others, elderly people well-being, cognitive impairments, Alzheimer’s disease and Dementia. Moreover, Brain Awareness Week, Science Festivals and “Meet the Scientist” events could be possible targets for participation. Invited talks by the members of the RADIO partners can be given in several institutions from schools to hospitals. A programme of school visits will also be organized at the RADIO lab at NCSR “Demokritos” premises, familiarizing school children with robotics and automation in general, but also with the specific technologies and concepts of the RADIO action.

Table 2: List of targeted public awareness events

Event	Relevance	Address
Researchers’ Night, Athens and Barcelona events, September 2015	Athens: NCSR-D will promote RADIO action via a poster focusing on the use of robots in smart home environments. Barcelona: FHAG will promote RADIO action via a poster focusing on the use of sensors to monitor the health of patients	http://www.rengreece.gr http://nitdelarecerea.com
Athens Science Festival	NCSR-D will promote RADIO action via a poster focusing on the use of robots in smart home environments.	http://www.athens-science-festival.gr
Brain Awareness Week, Athens event, March 2016	NCSR-D will promote (most probably via a talk or a poster) the use of robotic smart homes for supporting independent living and especially how cognitive impairments could be detected in such an environment.	http://www.dana.org/BAW
IoT World Forum, London, Nov 2015		http://iotinternetofthingsconference.com/
IoT Europe, Berlin, Oct 2015	AVN will promote in one of these forums RADIO outcomes on smart home and robot communication and integration.	http://iotworldeurope.com/
IoT 360, Rome, Oct 2015		http://iot-360.eu/2015/

3 STAKEHOLDER AWARENESS AND COMMUNICATION

3.1 Industrial Dissemination Events

S&C will disseminate the project at various industrial trade fairs starting with the *Consumer Electronics Show 2016 (CES 2016)* in Las Vegas (M10). Having one of the largest robotics exhibits in the world, the event is an excellent opportunity to present the RADIO concept/use cases to relevant stakeholders, gather feedback as well as investigate existing solutions, identify key market players and assess the projected growth of the assisted living market. RADIO leaflets, poster, etc. will be disseminated at the company's stand.

ROBOTNIK will disseminate the project at RSS 2015 (Robotics Science and Systems, Rome, July 2015) and at IROS 2015 (International Conference on Intelligent Robots and Systems, Hamburg, Germany, September 2015). ROBOTNIK will disseminate RADIO by direct dissemination through ROBOTNIK's or partner companies' booths. Examples of dissemination material are RADIO leaflets, poster, etc. but also speech explanations to any possible interested visitors.

3.2 RADIO Technology Plug Fests

Open source code, encouraging using and hacking the system. All open source components published will be extensively documented by means of textual documents and screencasts of professional quality illustrating how to download, install and operate the components in question.

The organization of focused technical workshops and plug fests that the project will annually organize for software developers and researchers working on similar technologies, who would like to experiment with RADIO components and tools.

3.3 Dissemination to Regulatory Agencies

FHAG will register RADIO with the *TicSalut Foundation* agency, Ministry of Health, Government of Catalonia. FHAG will also notify BIOCAT of RADIO activities. The BIOCAT foundation promotes the life sciences sector in Catalonia.

4 ACADEMIC DISSEMINATION

4.1 Web Site and Technical Reports

All public deliverables that are software prototypes will be developed as open source software on Bitbucket or similar infrastructures, allowing the academic community continuous access to the prototypes and the associated channels for raising and tracking issues. All public deliverables that are reports will be available for downloading from the RADIO Web site.

The RADIO Website will also promote the project's scientific results by publishing five *living documents*, one for each of the following topics: ADL and mood recognition, user acceptance, low-power operation, smart home integration and medical data management. These will provide an appropriate entry point for researchers and, in general, a technically savvy readership, summarizing project outcomes and giving pointers to deliverables and publications for further details.

4.2 Academic Publications and Presentations

Participation and presentation of the project's research and technology results in scientific journals, bulletins, conferences, and workshops related to the partners' research areas. Table 3 lists the venues targeted for disseminating the outcomes of the first period of the project.

Furthermore, we also foresee the promotion of the RADIO action to other units and departments within the consortium's organizations. FSL, for example, plans to promote RADIO to its internal Conference on Technological Assistive Devices 2015.

4.3 Academic Events Organization

RADIO dissemination foresees a series of annual workshops organized by the consortium on subjects of interest to RADIO. In this context, RUB and TWG are organizing the *First International Workshop on Components and Services for IoT platforms (WCS-IoT 2015)*. WCS-IoT 2015 will be held in conjunction with the *Field Programmable Logic and Applications Conference (FPL 2015)*, London, UK. FPL is a highly regarded and highly competitive international conference covering all aspects of FPGA technology. The workshop was included in the FPL program after submitting a proposal that was evaluated and accepted by the FPL committee.

The program of the workshop will include a combination of invited talks (from both industry and academia), regular and position papers. The WCS-IoT call-for-papers includes various topics that are closely related to RADIO such as sensors and actuator technologies, low power and reconfiguration techniques, and energy and resource-efficient connectivity solutions. A presentation about the position of RADIO in the above research directions will be given during the workshop.

For more information about the workshop please cf. <http://esda-lab.cied.teiwest.gr/wcs-iot>

Table 3: List of targeted academic venues

Venue	Relevance	Address
Nursing Home Research International Working Group, Toulouse, December 2015	High-impact venue for dissemination of RADIO outcomes for improving the quality of care in the nursing homes	http://www.nursing-home-research.com/index.php
IX edition Congress SIRAS 2015	High-impact venue for dissemination of RADIO outcomes on system usability	http://www.sirasonline.it
9th Intl Symposium on eHealth Services and Technologies, Sep 17-18, 2015 Rhodes, Greece	High-impact venues for disseminating RADIO outcomes on mobile communications and healthcare applications.	http://www.is-ehst.org
Intl Conf on Interactive Mobile Communication, Technologies and Learning (IMCL2015) 19-20 Nov 2015, Thessaloniki, Greece		http://www.imcl-conference.org/imcl2015
IET International Conference on Technologies for Active and Assisted Living, Nov 5, 2015 - Nov 5, 2015 Kingston upon Thames, London (UK)		http://www.techaal.org
5th Intl Conf. Wireless Mobile Communication and Healthcare, Oct, 2015 London, Great Britain		http://mobihealth.name/2015/show/home
International Conference on Acoustics, Speech, and Signal Processing (ICASSP 2016), Mar 20-25, 2016, Shanghai, China	High-impact venues for disseminating RADIO outcomes on sensor data analysis.	http://www.icassp2016.org
Intl Conf. on Robotics and Automation (ICRA), Stockholm, May 2016		http://www.icra2016.org
Intl. Conf. on Design and Architecture for Signal and Image Processing (DASIP 2015), Krakow, Sept.23-25, 2015		http://www.ecsi.org/dasip
International Conference on Reconfigurable Computing and FPGAs, (ReConFig 2015), Mexico, December 2015	High-impact venues on reconfigurable and embedded computing for disseminating Radio	http://www.reconfig.org
13th IEEE/IFIP International Conference on Embedded and Ubiquitous Computing (October 2015)	outcomes on robot/smart home integration, hardware acceleration, and low-energy on-board	http://paginas.fe.up.pt/~specs/events/uc2015
Intl Symp Reconfigurable Communication-centric Systems-on-Chip (ReCoSoC 2015), Bremen, Germany, July 2015	computation.	http://www.recosoc.org
Intl Workshop on Virtual Prototyping of Parallel and Embedded Systems (ViPES 2016), Samos, Greece, July 2016		http://www.vipes-workshop.org
Intl Conference on Embedded Computer Systems: Architecture, Modeling and Simulations, (SAMOS XVI), Samos, Greece, July 2016		http://samos-conference.com/
IEEE International Conference on Wireless and Mobile Computing, Networking and Communication	High-impact venues for disseminating Radio outcomes on robot/smart home communication and integration.	http://conferences.computer.org/wimob2015