



ROBOTS IN ASSISTED LIVING ENVIRONMENTS

UNOBTRUSIVE, EFFICIENT, RELIABLE AND
MODULAR SOLUTIONS FOR INDEPENDENT AGEING

Research Innovation Action

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DELIVERABLE 7.17

Project Showcase

Dissemination Level	Public
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Work Package	WP7, <i>Dissemination, exploitation, and communication activities</i>
Task	T7.2, <i>Dissemination, communication and awareness activities</i>
Lead Beneficiary	NCSR-D
Contributing beneficiaries	All
Type	OTHER
Status	Submitted
Version	Final



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History and Contributors

Ver	Date	Description	Contributors
01	22 May 2018	Preparation.	NCSR-D and all technical partners
Fin	23 May 2018	Submission	NCSR-D

1 PROJECT SHOWCASE

1.1 Purpose and Scope

This deliverable is a package (in the form of set of documents and software components) with the main technical results of the project. The Commission can use the project showcase for its own dissemination and awareness activities (including Web based and electronic publications).

1.2 Contents

The showcase bundles the following material:

Directory	Contents
ADLRecognition/	Documentation and prototype implementations of the ADL recognition methods developed in RADIO.
BLE_GW_Localization/	Documentation and prototype implementations of the methods developed in RADIO for bridging heterogeneous Wireless Sensor Networks and for using Bluetooth Low Energy beacons to localize tagged objects.
HW_accelerators/	Documentation and prototype implementation of the hardware-accelerated motion detection method developed in RADIO.
RADIOEcosystem/	Documentation and prototype implementation of the RASSP protocol, the privacy-preserving data mining protocol developed in RADIO.
RADIOHome/	Documentation and prototype implementation of software developed for distributing processing between the on-board CPU, the on-board FPGA, and the CPUs of the RADIO Home's Raspberry Pi rack. The S&C library used to interface with the enControl system.

The contents of the showcase were selected to represent the major technical outcomes of the RADIO project *and* to be available for public distribution: (a) The software included here is published under open source licenses; (b) The documentation is either publicly available or included here under authors' right to post the full text to the funding agency's repository.

As the software is also available on public code versioning servers, it is advisable to prefer the version on the public repository in order to take advantage of future development beyond the end of the RADIO action. The snapshots archived here are the versions of the software used in the final trials.