

2.4 Project management during the period

- Project Management has carried out monitoring activities to ensure that:
 - the research activities are carried out according to the settled time schedule and budget;
 - the project objectives are efficiently achieved;
 - the project is managed according to the contract between the DOREMI Consortium and the EC, maintaining a continuous link with the EC;
 - overall legal, contractual, ethical, financial and administrative management of the project have been respected.
- Consortium management tasks and their achievement

We are now at 24 months of the project. During the last twelve months (from M12 to M24) management activities have been intense by both the project coordinator, the Project Management Office as well as the individual participants. The management activities that have been performed in this period has kept at best all these means and infrastructures that are required for the efficient communication and collaboration among the partners, as well as among the project, the EC and the external community. Highlights of activities that have been performed by the consortium in this reporting period can be summarised as follows:

- Submission of deliverables due in the period and resubmission of rejected deliverables
- Drafting and submission of reports on project advancement (annual and Interim);
- Collection of consortium's financial information for period 2 (forms C, CFS);
- Co-organisation of two face to face consortium technical meetings in Valencia (22nd June 2015) and Leicester (23rd September 2015);
- Organisation of the project's rehearsal meeting in Brussels (15^h December 2015) for the review meeting at the Commission (9th December 2014);
- Maintenance and continuous update of the project's mailing lists (doremi-fp7@ifc.cnr.it, technicalcoordinator@doremi-fp7.eu, wpleaders@doremi-fp7.eu, info@doremi-fp7.eu);
- Amendment of the Consortium Agreement to reflect changes of legal representatives
- Constant update of the project's web-based collaboration tool and repository, operating in the framework of the website as a secure-access private area for consortium members only. The collaboration area is administered with the responsibility of the project coordinator and populated with the contributions of all consortium members;
- Quality check and submission of deliverables to the Commission;
- Constant communication between the consortium members;
- Regular communication and update provided by the project coordinator to the PO.

The table below shows the status of the project tasks

Table 1: Status of the project tasks

WP no	WP NAME/ TASK	LEADER	DoW		DEVIATIONS		STATUS
			Start month	End month	Start month	End month	
WP1	Project Coordination and Management	CNR	1	36	–	–	ACTIVE IN PROGRESS
Task 1.1	Project Management	CNR-IFC	1	36	–	–	Active, in progress
Task 1.2	Administrative Management	CNR-IFC	1	36	–	–	Active, in progress
Task 1.3	Risk Management and Quality assurance	CNR-IFC	1	36	–	–	Active, in progress
WP2	End user profile and Active Ageing Lifestyle protocol development	CNR	1	12	–	–	COMPLETED
Task 2.1	Target users definition, literature analysis and survey for scenarios of use	CNR-IFC	1	6	–	–	Completed
Task 2.2	Active Ageing Lifestyle protocol development	SI4LIFE	2	8	–	–	Completed
Task 2.3	Validation Plan	UOC	9	12	–	–	Completed
WP3	Development of WSN environment and autoconfiguration system	MYSPIERA	3	24	–	–	COMPLETED
Task 3.1	Requirements, parameters and sensor selection	MYSPIERA	3	9	–	–	Completed
Task 3.2	Sensors development and production	MYSPIERA	6	24	–	–	Completed
Task 3.3	Sensor Integration and Middleware	CNR-ISTI	6	24	6	20	Completed
Task 3.4	Auto configuration system and calibration	AIT	9	24	–	–	Completed
WP4	Development of a Smart Environment for Context Awareness	UNIFI	1	33	–	–	ACTIVE IN PROGRESS
Task 4.1	Data preparation and models assessment specification	UNIFI	1/20	8/30	–	–	M1-M8 Completed/M20-30 Active, in progress
Task 4.2	Activity recognition : explorative data analysis	CNR-ISTI	6	30	6	33	Active, in progress
Task 4.3	Activity recognition: predictive machine learning approach	UNIFI	6	30	6	33	Active, in progress
Task 4.4	Reasoning system and Personalization	AIT	20	33	10	33	Active, in progress
WP5	Development of Social and gamified environment	IMA	3	24	–	–	COMPLETED
Task 5.1	Gamified active ageing protocol definition	DMU	3	8	–	–	Completed
Task 5.2	Game-based active ageing environment	IMA	6	14	–	–	Completed
Task 5.3	Exergames development	IMA	13	24	–	–	Completed
Task 5.4	Social games development	UOC	13	24	–	–	Completed
Task 5.5	Cognitive games development	IMA	13	24	–	–	Completed
WP6	Validation driven system integration at lab and pilot site	SI4LIFE	20	39	14	36	ACTIVE IN PROGRESS
Task 6.1	Data Collection and pilot site preparation	CNR-IFC	20	30	14	27	Active, in progress
Task 6.2	Living lab validation and integration of WSN and Context aware system	CNR-ISTI	20	30	18	25	Active, in progress
Task 6.3	Validation of Social and gamified environment through behavioral analysis	UOC	20	30	–	–	Active, in progress
Task 6.4	Validation of integrated system and refinement	SI4LIFE	28	36	27	36	To be started at M27
WP7	Exploitation, Dissemination and IPR	UOC	3	36	–	–	ACTIVE IN PROGRESS
Task 7.1	Development of exploitation and dissemination plan	UOC	3	5	–	–	Completed
Task 7.2	Market assessment and outline of the business plan	UOC	10/23/35	15/24/36	–	–	M10-15 Completed/M23-M24 Completed/M35-M36 Not yet started
Task 7.3	Impact assessment on Health Care system and on society at large	UOC	10/23/35	15/24/36	–	–	M10-15 Completed/M23-M24 Completed/M35-M36 Not yet started
Task 7.4	Dissemination activities	CNR-IFC	3	36	–	–	Active, in progress

■ Problems which have occurred and how they were solved or envisaged solutions

The DOREMI project started to implement its quality and risk management procedures on January 2014 by implementing the D1.1 Project Management Plan to ensure consistency on internal processes, procedures, and outcome generation. The **Scientific and Quality Manager (SQM) of DOREMI** has monitored compliance of the project progress with the work plan on the basis of quarterly progress reports provided by each Work Package Leader and project guidelines defined for quality control and quality assurance.

The SQM and Project Management Office have dealt with some issues in the second half of the second. Namely:

- Late availability of the final wristband prototype (WP3) has entailed a delay in the system integration plan (Validation of WP3 WSN data gathering system, Data collection in WP6, Validation of WP4 and WP5 components, Validation of Reasoner and Dashboard and functional validation of the whole system);
- In view of possible difficulties in recruiting an adequate number of participants, partner ACCORD asks to exceed the age limit from 80 to 82 years;
- Extra budget needed to purchase materials and pay for services for the trials.

Problems with a supplier and optimisation of the heart rate sensor have delayed availability of the wristband and, consequently, the system integration. Technical partners agreed during the technical meeting in Leicester to share a detailed plan, coordinated by UNIPi and CNR ISTI, for conducting all activities necessary to integrate the component in time to be ready by early November to carry out an integration test at the Valencia Living Lab.

Concerning the possibility of exceeding the age limit of participants to be recruited, the coordinator reminds that the 80 years age limit is reported in the DoW and accepted by the Ethical Committees in UK and Italy, and, therefore, cannot be changed. The proposed solution is to find an agreement between partners ACCORD and EXTRACARE to redistribute the number of subjects between the two partners if ACCORD will be unable to recruit at 10 participants after the screening phase.

The need of an extra budget to buy a number of items (tablets, smartphones, sensors etc.) that were not originally envisaged or budgeted is required to implement trials in UK and Italy. Two partners (MYSPHERA, SI4LIFE) had a dedicated budget to take care of acquisitions (14.000€ and 20.000€ respectively), which has proved not to be sufficient to cover the estimated costs approximating 60.000 € altogether. It also emerged that partner SI4LIFE had some limitations in using its budget due to regulations of the Italian fiscal law and to other internal restrictions. To successfully complete the project, a shared solution was proposed during the technical meeting in Valencia on June 2015. A list of items to be purchased and corresponding costs was set up and it was decided that the consortium would take on the amount exceeding the planned budget to be apportioned according to partner shares using a compensation mechanism at the end of the project. This entails that at the end of the project, whatever expenses are accepted by the EC for each single partner, some partners will accept to receive a sum below their maximum limit of the EU contribution and others will get a higher contribution. In particular, MYSPHERA will take care of purchasing the majority of the technical items and will, consequently, be the partner with the highest over expenditure by the end of the project.

Extra budget will not only cover purchase of material but also services (blood tests, shipping etc.). This list of items to be purchased is available in the project website Intranet and updated whenever necessary by partners.

The property issue of purchased material with extra budget from consortium is also discussed. It is agreed that:

- "Extra purchased material" refers to any purchase made using extra budget made up of shares of consortium partners;
- although MYSPHERA will be in charge of most of the acquisitions, the property of the material will be jointly owned by the consortium;
- Final destination of material purchased with extra budget to consortium partners has to be taken beforehand. There is a proposal to launch an internal call of interest for the devices.

The decision will be voted by the consortium during the 2nd Plenary Meeting to be held in Vienna at the beginning of November 2015 according to provisions of the Consortium Agreement, namely Art. 6.3.2

Table 2: Extra budget – List of material and services

CHAPTER	ITEM DESCRIPTION	TOTAL COST	CONFIRMED
Mobile device	Tablets	€ 4.862,00	YES
Mobile device	Tablets	€ 3.938,00	YES
Mobile device	Smartphone	€ 2.200,00	YES
Covers for the tablets		€ 340,00	YES
Token Test	Cognitive assessment	€ 420,00	
Speakers stands (cfr. mail Accord 7/01/15)		€ 1.100,00	RECOMMENDED BUT NOT CONFIRMED YET
Real Time Location System (TOTAL)	Beacons	€ 6.600,00	YES
Real Time Location System	Main beacon	€ 3.960,00	YES
Wearable Sensors	Wristband	€ 5.500,00	YES
Environmental Sensors (1)	Z-Wave Gateway	€ 3.090,78	YES
Environmental Sensors (2)	PIR	€ 4.015,00	YES
Environmental Sensors (3)	Door contact sensor	€ 1.584,00	YES
Impedence meter	BIA	€ 7.000,00	YES
Metabolometer rent	K4 Cosmed	€ 1.350,00	YES
Software Metadieta (CHELLO)	UK food Database	€ 2.317,00	YES
Blood test cost of laboratory (1)	Blood test cost of laboratory (Italy)	€ 2.140,00	YES
Blood test cost of laboratory (2)	Blood test cost of laboratory (England)	€ 2.140,00	YES
Smart Carpet (1)	Bluetooth USB Dongle	€ 455,60	YES
Smart Carpet (2)	Wired Battery	€ 200,00	YES
Smart Carpet (3)	Wii Balance Board	€ 1.052,92	YES
Broadband router		€ 660,00	YES
USB STICK 4G modem		€ 660,00	YES
Adaptors		to be defined	
Miscellaneous costs for pilots	USB power adapters for balance board (13€), UK power adapters, ethernet cables, power socket extenders ...), charging batteries for mobiles, charging devices for wristband, DOREMI box	€ 5.000,00	
TOTAL COST		€ 60.585,30	

Any other project Risk Management issues are described more in detail in D1.5.2 – Quality and Risk Management Report submitted at the end of October 2015.

■ Changes in the consortium (if any)

Not applicable.

■ List of project meetings, dates and venues

Table 3: List of project meetings

D1.3.2 Annual Periodic Report (Period 2)	Type of meeting	Date	Venue	Participants
	1 Technical Meeting on WP5	03-04/11/2014	Nottingham, UK	DMU, EXTRA
	2 Technical meeting on WP4	04/11/2015	Pisa, Italy	CNR IFC, UNIFI
	3 Skype conference on WP2-WP5	05/11/2014	N/A	SI4LIFE, DMU, IMA
	4 Skype conference on WP2-WP6	05/11/2014	N/A	SI4LIFE, DMU
	5 Skype conference on WP6	12/11/2014	N/A	SI4LIFE, DMU, Extra, Accord
	6 Technical Meeting on WP5	02/12/2014	Milan, Italy	CNR IFC, IMA
	7 Focus group on WP 5	14/12/2014	Genoa, Italy	IMA, SI4LIFE
	8 Rehearsal and Review Meetings	08-09/12/2014	Brussels, Belgium	All partners
	9 Technical Meeting on WP6	06/01/2015	Nottingham, UK	DMU, Extra, ACCORD
	10 Technical Meeting on WP4	09/01/2015	Pisa, Italy	CNR IFC, CNR ISTI, UNIFI
	11 Technical meeting on data collection (WP5)	22/01/2015	Birmingham, UK	DMU, EXTRA
	12 Technical Meeting on WP5	05/02/2015	Milan, Italy	CNR IFC, IMA
	13 Technical Meeting on WP3, WP5, WP6	05/02/2015	Birmingham, UK	DMU, EXTRA CARE, ACCORD, MySphera
	14 Focus Group Meeting on WP5	18/02/2015	Walsall, UK	DMU, ACCORD
	15 Technical Meeting on WP4	25/02/2015	Pisa, Italy	CNR IFC, CNR ISTI, UNIFI
	16 Skype conference on WP3 and WP4	26/02/2015	N/A	ISTI, AIT, MYSPHERA, UNIFI
	17 Skype conference on WP4 and WP5	27/02/2015	N/A	DMU, AIT, IMAGINARY, SI4LIFE
	18 Technical meeting on WP5	05/03/2015	Milton Keynes, UK	DMU, EXTRA
	19 Skype conference on WP4	28/04/2015	N/A	AIT, IMA, DMU, SI4LIFE
	20 Skype conference on WP3	29/04/2015	N/A	MYSPHERA, SI4LIFE
	21 Focus Group Meeting on WP5	29/04/2015	Walsall, UK	DMU, ACCORD
	22 Technical Meeting on WP3 and WP4	06/05/2015	Pisa, Italy	CNR IFC, CNR ISTI, UNIFI
	23 Focus group on WP 5	15/05/2015	Genoa, Italy	IMA, SI4LIFE
	24 Skype conference on WP5 – T5.3 – Social elements	18/05/2015	N/A	IMAGINARY, DMU, UOC
	25 Technical Meeting on WP3, WP4, WP6	04/06/2015	Pisa, Italy	CNR IFC, CNR ISTI, UNIFI
	26 Technical meeting on WP5	09/06/2015	Milton Keynes, UK	DMU, EXTRA
	27 Technical meeting on WP6	17/06/2015	Milan, Italy	CNR IFC, CNR ISTI, SI4LIFE
	28 Skype conference on WP5	19/06/2015	N/A	CNR IFC, IMA
	29 Technical Meeting	22/06/2015	Valencia, Spain	All partners
	30 Technical meeting on WP5	09/06/2015	Milton Keynes, UK	DMU, EXTRA
	31 Focus Group Meeting on WP5	15/09/2015	Walsall, UK	DMU, ACCORD
	32 Skype conference on WP4	17/09/2015	N/A	CNR IFC, CNR ISTI, AIT
	33 Technical Meeting	23/09/2015	Leicester, UK	All partners
	34 Focus Group Meeting on WP5	24/09/2015	Wolverhampton, UK	DMU, ACCORD
	35 Technical Meeting on WP4, WP6	30/09/2015	Pisa, Italy	CNR IFC, CNR ISTI, UNIFI
	36 Skype conference on WP4	06/10/2015	N/A	CNR IFC, AIT
	37 Focus group on WP 5	15/10/2015	Genoa, Italy	IMA, SI4LIFE
	38 Technical Meeting on WP4, WP6	23/10/2015	Pisa, Italy	CNR IFC, CNR ISTI, UNIFI

■ Project planning and status

The project is progressing in accordance to the specified work plan and timetable as described in the Annex.

Deviations in WP2, WP3 and WP6 described in the period 1 Project Report are now absorbed or sorted out. For details, see relevant WPs sections.

A delay, now over, which occurred in the period under consideration; is described in the WP4 section.

Further changes in the timing of some tasks took place during the second half of the period to ensure dependencies of tasks and work packages do not affect project outputs.

All changes occurred are summarised below.

WP4:

- T4.2: M6-M33 instead of M6-M30
- T4.3: M6-M33 instead of M6-M30
- T4.4: M10-M33 instead of M20-M30

WP6

- T6.1: M14-M27 instead of M20-M30
- T6.2: M18-M25 instead of M20-30
- T6.4: M27-36 instead of M28-M36

Project planning with regard to the overall management and coordination includes the continuation of the regular activities ensuring the smooth implementation of the project, i.e.:

- constant communication and collaboration between project participants
- constant communication with the commission's PO
- maintenance and update of the project mailing list, website and collaboration tool
- regular reporting for the efficient follow-up of the project's progress and partners' performance
- Organisation of the next plenary meeting, scheduled to take place in Vienna (Austria) on 5-6 November 2015, hosted by partner AIT.
- Organization of the next project review to be held in Brussels (December 2015/January 2016)

Effort

Total effort spent in the reporting period corresponds to 48 % of the total project effort. Table 4 below gives a breakdown of the effort spent per work package and per partner in the reporting period.

Total effort spent since the beginning of the project corresponds to 81% of the total project effort; Table 5 shows the effort spent per work package and per partner from the beginning of the project also in relation to the effort planned in the DoW.

Table 4: Breakdown of the effort spent per work package and per partner in the reporting period

Workpackage	WP1		WP2		WP3		WP4		WP5		WP6		WP7		TOTAL per Beneficiary	
EFFORT SPENT PER WP AND PER PARTNER IN YEAR 2	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED
Beneficiary 1- CNR-IFC	5,65	12,20	0,00	9,00	0,40		0,71	1,00	1,01	1,00	2,87	6,00	2,14	3,00	12,78	32,20
Beneficiary 1- CNR-ISTI	0,20	0,50	0,00	1,00	11,00	22,50	7,50	17,00	0,00	0,00	4,10	8,00	0,30	0,50	23,10	49,50
Beneficiary 1 - CNR Coordinator	5,85	12,70	0,00	10,00	11,40	22,50	8,21	18,00	1,01	1,00	6,97	14,00	2,44	3,50	35,88	81,70
Beneficiary 2 - UNIP	0,67	2,00	0,00	1,00	1,10	2,00	14,35	34,00	0,00	0,00	3,65	8,00	0,43	1,20	20,20	48,20
Beneficiary 3 - MYSPIERA	0,60	1,50	0,00	1,00	36,28	41,00	0,00	0,00	0,00	0,00	4,87	12,00	0,63	3,00	42,38	58,50
Beneficiary 4 - AIT	0,63	1,50	0,00	1,00	6,50	17,00	6,08	10,00	0,00	0,00	0,00	4,00	0,30	2,00	13,51	35,50
Beneficiary 5 - UOC	0,47	1,50	0,00	5,00	0,00	0,00	0,00	0,00	7,54	12,00	3,93	11,00	2,31	7,60	14,25	37,10
Beneficiary 6 - Extra	0,35	1,50	0,00	7,00	1,65	2,00	0,85	2,00	2,20	3,00	2,65	14,00	0,10	1,50	7,80	31,00
Beneficiary 7 - IMA	0,31	2,50	0,00	1,00	0,00	0,00	0,00	0,00	35,42	30,00	0,10	6,00	2,84	3,00	38,67	42,50
Beneficiary 8 - DMU	0,32	1,50	0,05	1,00	0,00	0,00	0,00	0,00	14,53	29,00	0,00	8,00	0,36	1,50	15,26	41,00
Beneficiary 9 - AGE	0,55	1,80	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	2,91	12,30	3,46	14,10
Beneficiary 10 - SIALIFE	0,30	1,00	1,00	12,00	1,00	2,00	1,70	2,00	7,50	8,00	7,45	29,00	0,53	1,50	19,48	55,50
Beneficiary 11 - Accord	0,51	1,50	0,88	4,00	0,51	1,00	0,00	0,00	1,20	2,00	6,40	7,00	0,00	1,50	9,50	17,00
TOTAL	10,56	29,00	1,93	43,00	58,44	87,50	31,19	66,00	69,40	85,00	36,02	113,00	12,86	38,60	220,39	462,10

Table 5: Effort spent from the beginning of the project

Workpackage	WP1		WP2		WP3		WP4		WP5		WP6		WP7		TOTAL per Beneficiary	
CUMULATIVE EFFORT SPENT PER WP AND PER PARTNER FROM THE BEGINNING OF THE PROJECT	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED	ACTUAL	PLANNED
Beneficiary 1- CNR-IFC	11,25	12,20	12,70	9,00	2,20	0,00	2,16	1,00	2,91	1,00	2,87	6,00	3,64	3,00	37,73	32,20
Beneficiary 1- CNR-ISTI	0,40	0,50	1,00	1,00	22,50	22,50	14,01	17,00	0,00	0,00	4,10	8,00	0,30	0,50	42,31	49,50
Beneficiary 1 - CNR Coordinator	11,65	12,70	13,70	10,00	24,70	22,50	16,17	18,00	2,91	1,00	6,97	14,00	3,94	3,50	80,04	81,70
Beneficiary 2 - UNIP	1,33	2,00	1,00	1,00	2,01	2,00	26,64	34,00	0,00	0,00	3,65	8,00	0,87	1,20	35,50	48,20
Beneficiary 3 - MYSPIERA	1,08	1,50	1,01	1,00	50,01	41,00	0,00	0,00	0,00	0,00	4,87	12,00	1,13	3,00	58,10	58,50
Beneficiary 4 - AIT	1,80	1,50	0,97	1,00	8,96	17,00	8,56	10,00	0,00	0,00	0,00	4,00	0,47	2,00	20,76	35,50
Beneficiary 5 - UOC	0,97	1,50	5,01	5,00	0,00	0,00	0,00	0,00	12,00	12,00	3,93	11,00	5,98	7,60	27,89	37,10
Beneficiary 6 - Extra	0,68	1,50	6,20	7,00	1,78	2,00	0,85	2,00	2,20	3,00	2,65	14,00	0,10	1,50	14,46	31,00
Beneficiary 7 - IMA	1,21	2,50	0,47	1,00	0,00	0,00	0,00	0,00	48,01	30,00	0,10	6,00	4,28	3,00	54,07	42,50
Beneficiary 8 - DMU	0,52	1,50	1,18	1,00	0,00	0,00	0,00	0,00	29,28	29,00	0,00	8,00	0,38	1,50	31,36	41,00
Beneficiary 9 - AGE	1,07	1,80	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	4,07	12,30	5,14	14,10
Beneficiary 10 - SIALIFE	0,63	1,00	10,00	12,00	2,00	2,00	1,80	2,00	10,00	8,00	7,45	29,00	0,73	1,50	32,61	55,50
Beneficiary 11 - Accord	1,09	1,50	3,89	4,00	0,97	1,00	0,00	0,00	1,80	2,00	6,40	7,00	0,20	1,50	14,34	17,00
TOTAL	22,03	29,00	43,43	43,00	90,43	87,50	54,02	66,00	106,20	85,00	36,02	113,00	22,16	38,60	374,28	462,10

Submission of deliverable D2.3 at M17 has definitively closed WP2 activities with 101% of the planned effort used. Management (WP1) activities have absorbed 76% of the effort; WP5, WP3 have used 125%, and 103% of the effort respectively and WP4 82%. WP3 and WP5 are now closed: both WPs had a very high and intense workload during the second year of the project in terms of hardware and software to be released in time to allow starting of pilot trials. To overcome some delays and sort out unexpected difficulties encountered by partners involved, extra effort was needed (see details in the effort spent per partner section).

WP6 has started during period 2 and has used 32% of effort. For WP7, dedicated to dissemination and exploitation activities, percentage is 57%.

The figure below shows effort spent per WP over the DoW from the beginning of the project (M1-M24).

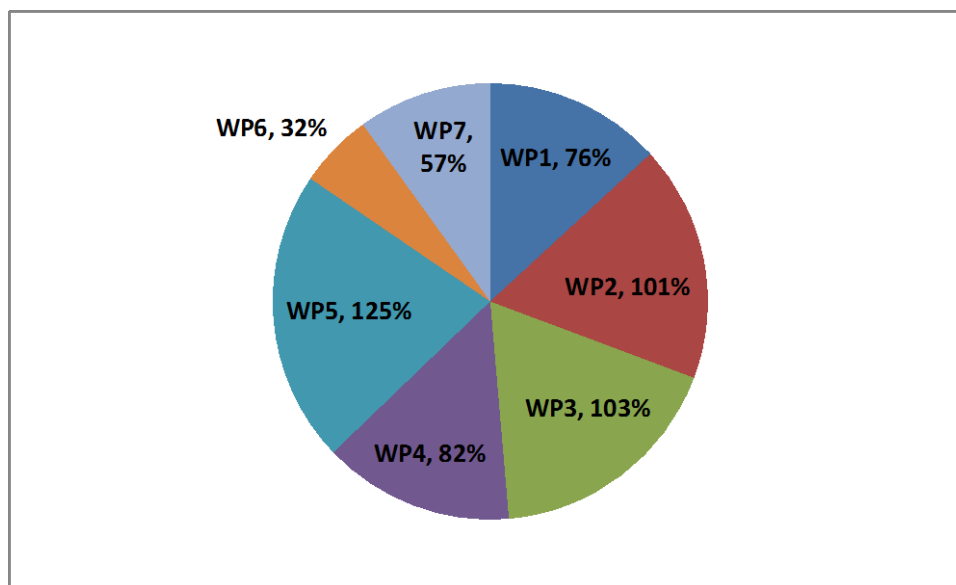


Figure 2: Effort spent per WP over DoW from M1 to M24

Effort spent per partner is consistent with work activities carried out from the beginning of the project.

However, some partners reviewed the effort assigned in light of work performed to carry out project activities. Partners listed below claim more effort although they do not expect to receive more funding than their allocation.

Concerning WP2, whose activities were completed at M12, the Consortium agreed with the Commission to postpone the submission of D2.3, under Task 2.3, at M17. A number of partners involved in the submission of this deliverable have therefore claimed some effort in Task 2.3 under the current period.

P01 - CNR IFC

CNR participates in the project with two Institutes: CNR IFC and CNR ISTI. CNR effort in WP5 (1 PM) was erroneously allocated in the DoW to CNR ISTI instead of CNR IFC. In addition CNR IFC has claimed effort in the following Work Packages:

WP3: 0,40 PMs were used for the smart carpet development and collaboration with technical partners on this matter;

WP4: extra PMs were allocated to process the necessary ethical committee application for the physical activity protocol and for performing the activity recognition together with partners CNR ISTI and UNIPI;

WP5: extra time was required to create a Video with an exercise science professor showing physical activities for the exergames. In addition, some of the researchers involved in WP5 activities retired, and were replaced by younger staff that had to be trained to take over these activities.

P02 – UNIPI

Delays in the availability of the wristband had an impact on critical activities of UNIPI spanning from September to December 2015. Not only UNIPI had to reorganize its effort but had also to increase operational capacity especially during September 2015 in order to complete its work in due time; two researchers were therefore recruited and approached the project during July/August 2015 to align themselves with the DOREMI activities. Any extra costs deriving from effort claimed by the new staff will be an additional co-funding of UNIPI.

P03 – MYSPHERA

Several reasons lead MYSPHERA to have a 9PMs overspending in WP3, namely in Task 3.2.

First of all T3.2 requested more resources than expected because MYSPHERA needed to speed up the development during the second semester and to refine several times the algorithms. Also, extra data acquisition campaigns were needed in order to meet the deadlines. As a result, the outcomes have been improved compared to those envisaged in the DoW for T3.1, T3.2 in terms of accuracy or data availability.

Furthermore, beacons that communicate with the wristband using exclusively Bluetooth Low Energy (BLE) have been released. This element, which was not initially indicated in the Dow, has been developed to fit the pilot sites requirement of having as less wiring as possible and the impossibility of wiring with Ethernet the user's apartments.

Finally, MYSPHERA has carried out the acquisition management and configuration of all the DOREMI equipment for pilots, including quotations, acquisition, organisation, configuration of all devices, labelling, coordination with pilots and rest of partners and shipping.

P04 AIT

It was necessary to put more effort (2PMs) in the design of the KIOLA database to fulfil the requirements regarding the data collected in Doremi.

P07 – IMA

Effort put in closing WP5 by IMA was particularly intense; this has entailed the need to allocate an extra 18PMs. Main reasons are summarised below.

To have a more integrated prototype, both from the usability, look and feel and from the general way to work point of view, several activities of Task 5.2, formally closed at M14, continued during Year 2 including design and development of the gamified environment. This has allowed taking into account impact of environment (that could be considered the main container of the app) and all the different

areas (that could be considered the contents of the environment).

Task 5.4 was carried out by IMA in parallel with T5.3 and 5.5, under clinical supervision and material preparation support of UoC, the task leader. Work of IMA included design activities that were not initially planned and which are not reported in the DoW.

Finally, IMA had a strong turnover of staff. Having the company decided to invest in younger resources, who are less skilled, more time was needed to produce results of the required quality. Consequently effort in the WPs involving designing and developing of the gamified environment, raised considerably.

P10 – SI4LIFE

SI4LIFE has claimed 2 extra P0Ms in WP5. This effort relates to focus groups organised for the recruitment of subjects, organisation, planning, conduction and analysis activities.

P11 - ACCORD

Task 2.3 has taken a considerable bulk of Accord's time over the last months, which has led to Accord needing to go over the 1 person month allocated for this task. Accord has been actively participating in all discussions with the partners, as well as contributing to and reviewing all of the draft documentation, pertaining to the development of the of the validation plan and ethical review submissions. Accord's Head of Research and Intelligence was the main Reviewer for D2.3 for which there were 7 versions issued. Reviewing the draft and final documents, and participating in many discussions has taken up a great deal of time due to the sheer amount of detail and the many issues involved with the complex detail and planning for the field trials (validation). This work was absolutely essential in order to ensure that Accord has a viable research plan to take to the residents for recruitment, and one that is not only ethically and methodologically sound but one that is going to make running the field trials as feasible and successful as possible. Therefore ACCORD will move effort underuse from task 2.1 (now closed) to task 2.3.

The figure below shows effort spent per partner from the beginning of the project and remaining effort.

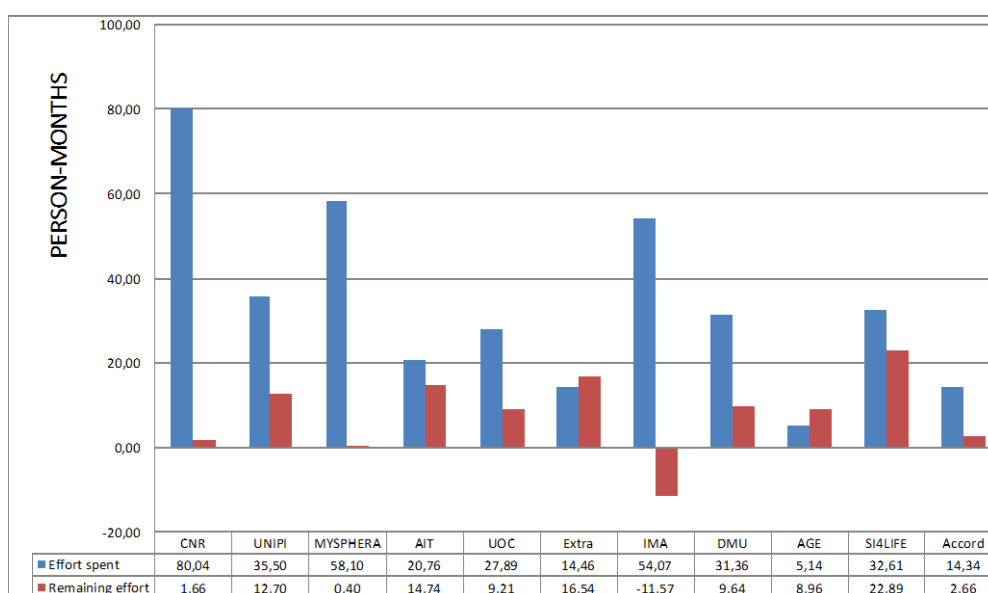


Figure 3: Overview of spent and remaining effort per partner from the beginning of the project.

Costs

As shown in the figure below, total costs incurred by the consortium in the period under consideration (M12-M24) amount to € 1.010.374,00 excluding indirect costs, which represents about 40% of the total project budgeted costs and 66% of the total project cost when cumulated with the first year. Breakdown of the costs shows that expenditure relates mainly to personnel costs (94% for year two and 70% of cumulative personnel costs calculated over the DoW).

Table 6: Personnel and other major direct costs per partner incurred during the period

Personnel, subcontracting and other major Direct cost items					
YEAR 2 (1 November 2014 – 31 October 2015)					
n.	Short name	Personnel costs	Other direct costs	Subcontracting Costs	Total costs
	CNR IFC	€ 58.813	€ 6.045	€ 920	€ 65.778
	CNR ISTI	€ 75.884	€ 4.558	€ 0	€ 80.442
1	CNR	€ 134.697	€ 10.603	€ 920	€ 146.220
2	UNIFI	€ 97.610	€ 4.896	€ 0	€ 102.506
3	MYSHERA	€ 105.500	€ 17.460	€ 800	€ 123.761
4	AIT	€ 116.351	€ 3.937	€ 0	€ 120.288
5	UOC	€ 75.712	€ 1.816	€ 0	€ 77.528
6	Extra	€ 21.320	€ 3.130	€ 0	€ 24.450
7	IMA	€ 161.494	€ 4.793	€ 0	€ 166.286
8	DMU	€ 83.389	€ 6.085	€ 0	€ 89.474
9	AGE	€ 17.604	€ 920	€ 0	€ 18.524
10	SI4LIFE	€ 86.545	€ 6.706	€ 0	€ 93.251
11	Accord	€ 47.056	€ 1.030	€ 0	€ 48.086
Total		€ 947.277	€ 61.377	€ 1.720	€ 1.010.374

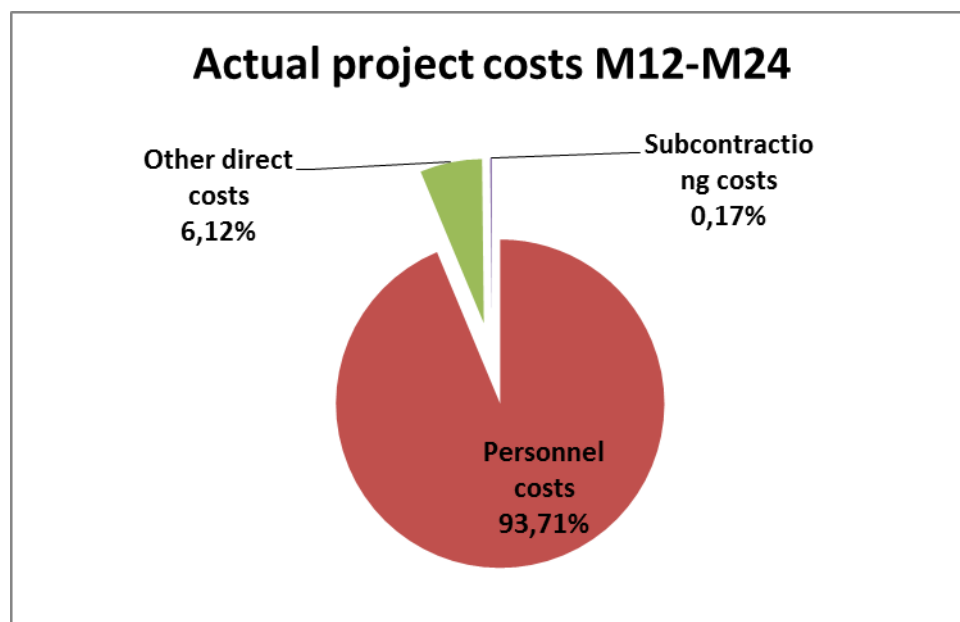


Figure 4: Project costs M12-M24 (excluding indirect costs)

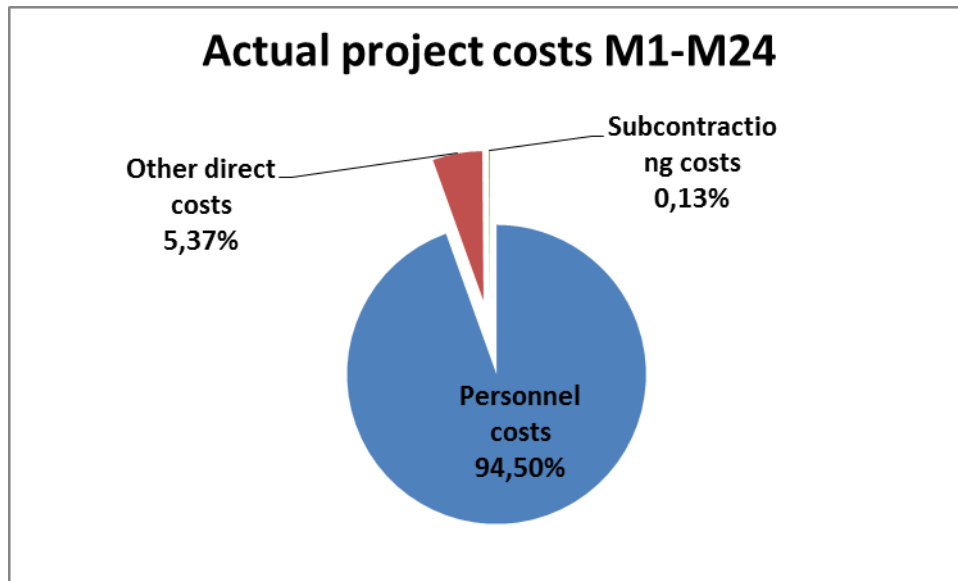


Figure 5: Project costs M1-M24 (excluding indirect costs)

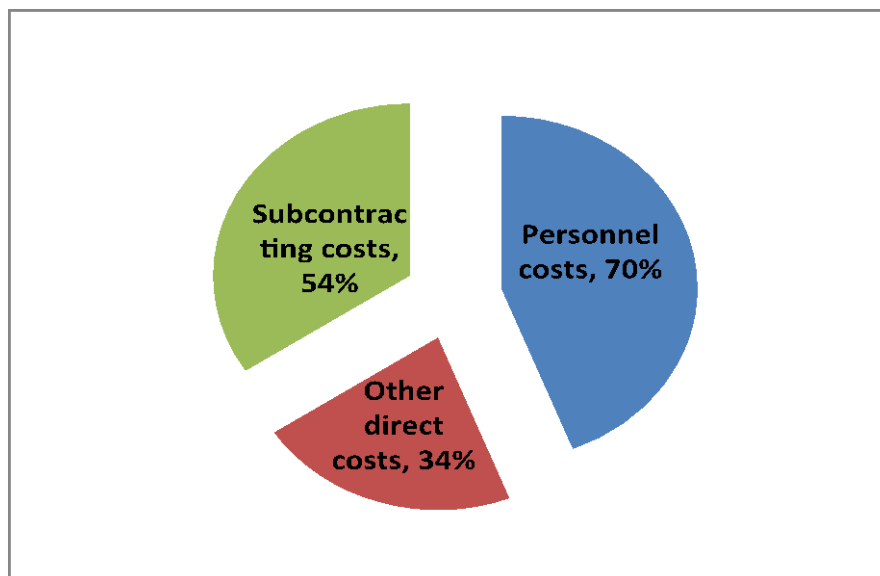


Figure 6: Cumulative costs (excluding indirect costs) over DoW

- Impact of possible deviations from the planned milestones and deliverables (if any)

Not applicable

- Changes of the legal status of any of the beneficiaries (if any)

No changes in the legal status of the partners occurred.

The Director of Partner 05 UOC has changed as of 13th November 2014: Antoni Cahner Monzo is now in charge and has replaced Mireira Armengol Almaraz.

SI4LIFE has a new President as of 23 June 2015. Prof. Fabio Lavagetto was appointed instead of Dr. Andrea Rando.

■ Development of the project website (if applicable)

The DOREMI project has established and operates its official website (www.doremi-fp7.eu) since mid-April 2014 under the responsibility of the Coordinator, CNR IFC. The internal area can be accessed by the project members only, and operates as a web-based collaboration tool and repository, collecting all project materials and information so that they can be easily retrieved and downloaded by the partners. Additional functionalities may be implemented in the time-course of the project.

The website is constantly updated.

■ Co-ordination activities during the period (communication between beneficiaries, possible co-operation with other projects/programmes)

DOREMI is outward-looking and welcomes expressions of interest in collaboration. Over the first 18 months of activity several contacts in terms of possible collaborations with other consortia took place.

1. Progress in the collaboration with NU-AGE, an FP7-KBBE funded project that seeks to demonstrate how, by dietary means, it could be possible to counteract and/or slow down the process of ageing, including decline of cognitive function, officially started in September 2014, took place. In particular DOREMI and NU-AGE are interacting to find common goals and links between the results of the NU-AGE trial (design a new food pyramid for those over 65 years old to meet the nutritional needs of the elderly; assess the influence of correct diet on inflammation, one factor in the development of age related diseases such as atherosclerosis, type 2 diabetes and neurodegeneration leading to cognitive decline) and the DOREMI pilot study that will start at the beginning of 2016 (WP6).
2. Following a contact of the DEPIDAC Data Pooling Taskforce, Prof. Parodi, in quality of coordinator and responsible for nutrition and sedentariness tasks in DOREMI, agreed in February 2015 to start a collaboration with the DEDIPAC KH project (Determinants of Diet and Physical Activity Knowledge Hub; www.dedipac.eu, University of Limerick leader) that is currently developing a compendium of all European datasets and studies focusing on determinants of diet, physical activity and sedentary behaviour. The DOREMI pilot study dataset will be included in the European compendium of DEPIDAC.

The DOREMI coordinator has requested the Action Groups of EIP-AHA- A3 Nutrition- to join the Group on Area 1: *Screening and assessment of malnutrition as a risk factor for active and healthy aging*. CNR IFC is committed in the following tasks:

- 5.1 Objective: Manage frailty and functional decline through targeted intervention: Develop physical exercise training programs and physical activities tailored to older frail people and with functional decline.
- 5.1 Objective: Manage frailty and functional decline through targeted intervention: Develop nutritional and hydration plans, and cognitively, physically and intellectually stimulating social activities to improve independent daily living and mental wellbeing in target populations.
- 5.1 Objective: Manage frailty and functional decline through targeted intervention: Software programme and ICT devices for feeding and food related tasks.

CNR IFC is now engaged in activities of AG A3, through the nutritional and physical activity protocols developed in DOREMI project.

There are permanent discussions between all members of the Project Coordination Committee.

3. DELIVERABLES AND MILESTONES TABLES

3.1 Deliverables

Table 7: List of deliverables

DELIVERABLES										
Del. no.	Deliverable name	Version	WP no.	Lead beneficiary	Nature	Diss. level ¹	Delivery date from Annex I (Project month)	Actual/Forecast delivery date	Status Not submitted / Submitted	Comments
D1.1	Project Management Plan	1	1	01 CNR	R	PP	1	03/01/2014	Submitted	
D2.1	Target users and scenarios of use	1	2	01 CNR	R	PU	6	24/04/2014	Submitted	
D1.2.1	Interim Progress Report	1	1	01 CNR	R	PU	6	16/05/2014	Submitted	

¹ **PU** = Public

PP = Restricted to other programme participants (including the Commission Services).

RE = Restricted to a group specified by the consortium (including the Commission Services).

CO = Confidential, only for members of the consortium (including the Commission Services).

Make sure that you are using the correct following label when your project has classified deliverables.

EU restricted = Classified with the mention of the classification level restricted "EU Restricted"

EU confidential = Classified with the mention of the classification level confidential "EU Confidential"

EU secret = Classified with the mention of the classification level secret "EU Secret"

	(Period 1)									
D7.7	DOREMI web site and press release for the EC	1	7	05 UOC	P	PU	3	29/05/2014	Submitted	
D2.2	Active Ageing Lifestyle Protocol	1	2	10 SI4LIFE	R	PU	8	07/07/2014	Submitted	
D4.1	Data preparation and models assessment specification	1	4	02 UNIPi	R	PP	8	07/07/2014	Submitted	
D3.1	Specification of Wireless Sensor Network for LifeStyle Protocol implementation	1	3	03 MYSPHERA	R	PP	9	11/08/2014	Submitted	
D7.1	Dissemination plan	1	7	05 UOC	R	PU	9	11/08/2014	Submitted	
D7.2	Exploitation plan	1	7	05 UOC	R	CO	9	11/08/2014	Submitted	<i>Resubmitted on 05/09/2014 due to formatting problems</i>
D7.8	DOREMI portal	1	7	05 UOC	P	PU	9	18/08/2014	Submitted	
D5.1	Gamified active ageing protocol	1	5	08 DMU	R	PU	8	30/09/2014	Submitted	
D7.5	Dissemination activities toolkit	1	7	01 CNR	O	PU	12	04/11/2014	Submitted	
D7.3.1	Updated Exploitation plan and business plan	1	7	05 UOC	R	CO	12	11/11/2014	Submitted	
D1.5.1	Quality and Risk Management report	1	1	01 CNR	R	CO	12	17/11/2014	Submitted	
D2.3	Validation plan	DRAFT	2	05 UOC	R	PU	12	25/11/2014	Submitted	<i>Submitted as draft version</i>
D1.2.2	Annual Periodic Report (Period 1)	DRAFT	1	01 CNR	R	PU	12	05/12/2014	Submitted	<i>Submitted as draft version</i>
D1.2.2	Annual Periodic Report (Period 1)	FINAL	1	01 CNR	R	PU	12	23/12/2014	Submitted	

D5.2	Game-based active ageing environment	1	5	07 IMA	R	PP	14	06/02/2015	Submitted	
D4.1	Data preparation and models assessment specification	Re-submitted after rejection	4	02 UNIPi	R	PP	8	20/02/2015	Submitted	<i>Re-submitted (The version submitted on 07/07/2014 was rejected by the Commission)</i>
D3.1	Specification of Wireless Sensor Network for LifeStyle Protocol implementation	Re-submitted after rejection	3	03 MYSPHERA	R	PU	9	20/02/2015	Submitted	<i>Re-submitted (The version submitted on 31/07/2014 was rejected by the Commission)</i>
D7.3.1	Updated Exploitation plan and business plan	Re-submitted after rejection	7	05 UOC	R	CO	12	20/02/2015	Submitted	<i>Re-submitted (The version submitted on 11/11/2014 was rejected by the Commission)</i>
D2.3	Validation plan	FINAL	2	05 UOC	R	PU	12	31/03/2015	Submitted	<i>Final version (submitted as draft version on 25/11/2014)</i>
D3.2	Wireless Sensor Networks, Integration Middleware and System Configuration	1	3	01 CNR (ISTI)	P	PU	18	30/04/2015	Submitted	
D1.3.1	Interim Progress Report (Period 2)	1	1	1 CNR	R	PU	18	30/04/2015	Submitted	
D1.3.1	Interim Progress Report (Period 2)	Revised version	1	1 CNR	R	PU	18	11/05/2015	Submitted	<i>Revised version (the description of one task was missing)</i>
D7.6	Dissemination activities report	1	7	01 CNR (IFC)	R	PU	18	11/05/2015	Submitted	
D6.1	Annotated data available And easy accessible	1	6	10 SI4LIFE	R	PU	22	31/08/2015	Submitted	
D1.5.2	Quality and Risk	1	1	01 CNR	R	CO	24	02/11/2015	Submitted	

	Management report			(IFC)						
D3.3	Production of units for pilots	1	3	03 MYSPHERA	P	PP	24	05/11/2015	Submitted	
D5.3	Exergames	1	5	07 IMA	P	PU	24	05/11/2015	Submitted	
D5.4	Social games	1	5	05 UOC	P	PU	24	05/11/2015	Submitted	
D5.5	Cognitive games	1	5	07 IMA	P	PU	24	05/11/2015	Submitted	
D6.2	Annotated data available and easy accessible	1	6	10 SI4LIFE	P	RE	24	05/11/2015	Submitted	
D7.3.2	Updated Exploitation plan and business plan	1	7	05 UOC	R	CO	24	05/11/2015	Submitted	
D5.3	Exergames	Updated	5	07 IMA	P	PU	24	30/11/2015	Submitted	<i>Updated version</i>
D5.4	Social games	Updated	5	05 UOC	P	PU	24	30/11/2015	Submitted	<i>Updated version</i>
D5.5	Cognitive games	Updated	5	07 IMA	P	PU	24	30/11/2015	Submitted	<i>Updated version</i>
D1.3.2	Annual Periodic Report (Period 2)	1	1	1 CNR	R	PU	24	04/12/2015	Submitted	

3.2 Milestones

Table 8: List of milestones

MILESTONES							
Milestone no.	Milestone name	Work package no	Lead beneficiary	Delivery date from Annex I	Achieved Yes/No	Actual / Forecast achievement date	Comments
MS4	Preliminary version of the WSN environment, Smart environment for Context awareness and gamified environment to kick off the living and virtual labs	WP3, WP4, WP5	01 CNR	Month 18	YES	30/10/2015	<i>In month 24 the work of WP3 officially ended with the delivery of the WSN system, which is going to be installed in month 26 in a collaborative work between WP3 and WP6 partners.</i>
MS5	Developed Sensors prototypes ready for the validation activities, WSN environment and auto configuration system ready for full integration <i>(Means of verification: Delivery of the bracelet/wristwatch and sensorized bed carpet prototypes (at least 6 prototypes each). Submission and formal approval of deliverable and prototypes included in D3.2 by the SQM)</i>	WP3	03 MYSPHERA	Month 24	YES	30/10/2015	N/A
MS7	Social and gamified environment ready for integration <i>((Means of verification: Submission and formal approval of deliverable and prototypes included in D5.3, D5.4 and D5.5 by the SQM and WP leader. The set of tests carried out both in the living lab and in the virtual lab have been successfully completed))</i>	WP5	07 IMA	Month 24	YES	30/10/2015	<i>The 'social and gamified environment' was delivered by Month 24, nevertheless, some minor changes, needed to complete the integration with the Kiola server and to fix some bugs, will be done also during Month 25 and Month 26. In these months, different releases will be delivered and tracked in the 'release notes' file (attached to the prototype and continuously updated).</i>

END OF DOCUMENT
