



Coordination Action in R&D in Accessible and Assistive ICT

**Grant Agreement: 248582**

**CARDIAC**

**Coordination Action in R&D in Accessible and  
Assistive ICT**

**FP7-Coordination Action**

**Date of latest version of annexe I of DoW: 10.02.2010**

**D6.5, 5<sup>th</sup> Bi-annual Progress Report**

**Period covered: 01.03.2012-31.08.2012**

**Start date of Project: 01.03.2010**

**Duration: 36 months**

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**Date of preparation: 14<sup>th</sup> of October 2012**

### Declaration by the scientific representative of the project coordinator

I, as scientific representative of the coordinator of this project and in line with the obligations

as stated in Article II.2.3 of the Grant Agreement declare that:

- The attached periodic report represents an accurate description of the work carried out in this project for this reporting period;
- The project (tick as appropriate) <sup>8</sup>:
  - has fully achieved its objectives and technical goals for the period;
  - has achieved most of its objectives and technical goals for the period with relatively minor deviations.
  - has failed to achieve critical objectives and/or is not at all on schedule.
- The public website, if applicable
  - is up to date
  - is not up to date
- To my best knowledge, the financial statements which are being submitted as part of this report are in line with the actual work carried out and are consistent with the report on the resources used for the project (section 3.4) and if applicable with the certificate on financial statement.
- All beneficiaries, in particular non-profit public bodies, secondary and higher education establishments, research organisations and Sees, have declared to have verified their legal status. Any changes have been reported under section 3.2.3 (Project Management) in accordance with Article II.3.f of the Grant Agreement.

Name of scientific representative of the Coordinator: Patrick Roe.....

Date: 14/ 10/ 2012

For most of the projects, the signature of this declaration could be done directly via the IT reporting tool through an adapted IT mechanism.

<sup>8</sup> If either of these boxes below is ticked, the report should reflect these and any remedial actions taken.

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## **Executive Summary**

The major aim of the Coordination Action is to improve the overall success of Challenge 7 ICT 2009 7.2 'Accessible and Assistive ICT' by drafting a research agenda roadmap highlighting research priorities that will favour eAccessibility.

The main achievements of the fifth six-month period of the project have been to:

- reach the main milestone for the period namely the preparation, running and organisation of third SDDP event held in Florence, Italy, between the 29/31<sup>st</sup> of May 2012, with the Triggering Question "What research actions should be supported to exploit emerging network infrastructures and services to facilitate eInclusion".
- continue work on the individual roadmaps and integration of the overall roadmap.
- Take account and react to the recommendations of the reviewers from the second annual review meeting in Brussels on the 8<sup>th</sup> of June 2012.

A detailed list of responses to the recommendations of the reviewers from the interim evaluation meeting, is provided in Section I.6.

The expected result of the project is a report containing a series of recommendations and research agenda roadmaps that indicate the short, medium and long term research priorities in the field of accessible and assistive ICT products and services, including recommendations to support the technology transfer process in these research areas.

Further information can be found at: [www.cardiac-eu.org](http://www.cardiac-eu.org)

**List of Partners**

No	Name	Short name	Country
1	ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE	EPFL	Switzerland
2	CENTRAL REMEDIAL CLINIC	CRC	Ireland
3	Cyprus Neuroscience and Technology Institute	CNTI	Cyprus
4	UNIVERSIDAD DEL PAIS VASCO	UPV/EHU	Spain
5	CONSIGLIO NAZIONALE DELLE RICERCHE	CNR	Italy
6	EVANGELISCHE STIFTUNG VOLMARSTEIN	FTB	Germany
7	JOHN GILL TECHNOLOGY Ltd	JGT	United Kingdom
8	STICHTING SMART HOMES	SMH	Netherlands
9	UNIVERSITETET I OSLO	UIO	Norway
10	TECHNION - ISRAEL INSTITUTE OF TECHNOLOGY.	IIT	Israel
11	FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS	ICS-FORTH	Greece
12	UNIVERSIDAD DE SEVILLA	USE	Spain
13	FACULDADE DE MOTRICIDADE HUMANA	FMH	Portugal

## **Section I: Project objectives and major achievements**

### **I.1 Overall project objectives**

The overall aim of this coordination action is to play a role in helping increase the amount of products and services available on the market in the field of accessible and assistive ICT.

The core objective of the project is to advise the European Commission as to where to direct research funding in the short, medium and more distant future within the context of ICT for independent living, inclusion and governance.

This is to be achieved through a series of interactive events known as Structured Dialogic Design Process (SDDP), where influence maps are to be drawn up in consultation with all the relevant stakeholders.

### **I.2 Objectives for the fifth 6-month period (month 25-30)**

The three main objectives for the period have been to:

- ensure the main milestone of the period (MS4) was successfully achieved, namely the preparation, organization and running of the third SDDP event in Florence
- ensure progress is made towards drafting of overall roadmap
- take account of and react to the recommendations made by the reviewers at the 2<sup>nd</sup> annual review.

### **I.3 Main achievements and work performed in fifth period**

The main achievement has been to prepare, organise and run the third SDDP interactive event in order to draw up the third of the CARDIAC influence maps whilst continuing with the analysis of the results from the first two SDDP events (reported in deliverables D1.2 and D3.2).

### **I.4 Summary of deliverables and Milestones for fifth period**

Apart from this progress report (D6.5), there is one other deliverable due in this period:

- Deliverable D2.3 “Influence tree for eInclusion Research and development priorities for WP4” (due in month 27), which is the report containing the influence map drawn up in response to the Triggering Question “What research actions should be supported to exploit emerging network infrastructures and services to facilitate eInclusion?”.

The only milestone for this period (MS4) was the 3<sup>rd</sup> SDDP event to be held in Florence between the 29<sup>th</sup>-31<sup>st</sup> of May 2012.

### **I.5 Problems and corrective actions**

There have been no problems or corrective action to report.

## **1.6 Response to recommendations from the second annual review (sent on 21.06.2012)**

**REC-0.** To provide the complete data (updating the periodic report) on economic resources consumption ASAP, for the costs to be verified before possible acceptance.

**Response: this was provided manually in the form of a table of resources included in the revised version of deliverable D6.4, which has been accepted by the reviewers. The NEF session was opened with a slight delay (due to the internal reorganisation of DG INFSO and appointment of a new project officer). A NEF session has been submitted for verification and a list of questions has been submitted to the Consortium partners. Responses and additional information is currently being submitted by the Consortium partners.**

**REC-1.** To identify and analyse critical issues for uptake of ICT AT products, systems and services. Identify roles and tasks for actors in the service delivery sector with respect to future research in this field, to ensure better future uptake successes (in a revised version of D1.2).

**Response: Additional data collection and analysis is being carried out within WPI to address this issue and will be reported on in a revised version of D1.2 for the final review.**

**REC-2.** To provide examples of successes and failures with respect to ICT uptake, with relevance to the field. To provide more (and more detailed) bibliographical references in Sections 1, 2, 3 of D1.2 (in a revised version of D1.2 to be re-submitted for next periodic review).

**Response: Additional examples of successes and failures are being gathered and will be reported on in a revised version of D1.2 for the final review.**

**REC-3.** In general, by the end of the project, to provide structured and focused roadmaps taking into account both levels of detailing - structure and focus - , as well as entry point as seen from different stakeholders' point of view, showing clear convergence of the levels, both bottom up as well as top down. At the end of the project, full costs acceptance can be expected only if the consortium fulfils tasks as described in the DoW, and reaches a fully integrated roadmap, with convergence of the levels of the roadmaps, both for research funding bodies and for industry.

**Response: It has always been the intention of the consortium to provide such an integrated and structured roadmap and further steps have been made during this period to reach this goal. A meeting of the WP leaders has been scheduled in September to further progress with the integration of the results from all the work packages that will lead to the first version of the overall research agenda roadmap (due at the end of September 2012). The final version of the integrated research agenda roadmap will be completed well before the final conference to be held on the 22<sup>nd</sup> of January 2013 in London.**

**REC-4.** In general, to carry out a critical analysis of the different visions and actions, so as to focus on those more likely to have a higher degree of relevance and importance.

**Response: This is being carried and further filtering, selection and analysis will be done during the face-to-face meeting of the WP leaders in September 2012.**

**REC-5.** (A) Draft a prototype roadmap, including top level as well as lower levels (by end of September 2012).

(B) Consult with other experts on the approach and structure chosen. This will form the basic platform from which further refinements will proceed to completion (by end of November 2012).

**Response: (A) a draft prototype roadmap is to be generated during the meeting of WP leaders in September 2012 and a substantial amount of work has already been carried out.**

**(B) Consultations with external experts regarding the roadmap will be carried out via email and during the joint CARDIAC-Royal Geographical Society seminar, to be held on the 18<sup>th</sup> of October 2012.**

**REC-6.** Based on the results of REC-5, work out a complete roadmap to be discussed at a conference scheduled for January 2013, as bases for final refinements.

**Response: it is the intention of the consortium to generate a complete roadmap well before the final conference and present it at this event to be held on the 22<sup>nd</sup> of January 2013 in London.**

**Rec-7.** At the end of the project, full costs acceptance can be expected only if the consortium fulfills tasks as described in the DoW, and reaches a **fully integrated roadmap**, with convergence of the levels of the roadmaps, both for research funding bodies and for industry.

**Every effort is being made to achieve this objective.**

## **Section 2: Work package progress for the year**

### **2.1 WPI Technology Transfer – How to achieve accessibility**

A survey was conducted with a view to providing best practices in Technology Transfer (Knowledge Transfer/ Open Innovation).

Further work in the analysis of the Smart Homes area including relevance to technology transfer was carried out.

Complementation of DI.2: Taking into account the results of the interim review of November 2011. A vision, gap analysis, and activities identification of technology transfer in Assistive ICT was conducted. Success criteria for TT were elaborated. Selected results of the second SDDP co-laboratory on “Inclusive HCI research” (June 2011) relevant for



technology transfer were included. Findings from the survey conducted of ICT companies included

A first draft roadmap resulting from the first steps of road-mapping to support technology transfer, including the description of 7 strategic supportive actions each for technology transfer in Accessible ICT and in Assistive ICT, including a summary of activities of the involved stakeholders and of potential support by the European Commission, has been elaborated.

Delivery of D1.2 and Preparation for the review in June 2012

There are no deviations to report in WPI from Annex I of the DoW.

## **2.2 WP2 Road-mapping**

The two main activities of WP2 during this period have been to prepare for and run the third SDDP meeting that was held in Florence between the 29<sup>th</sup> and 31<sup>st</sup> of May 2012 with the Triggering Question “What research actions should be supported to exploit emerging network infrastructures and services to facilitate inclusion?” (Task 2.3) and then to draft the report from this SDDP meeting, deliverable D2.3 “Influence map for inclusion research and development priorities for WP4” due in Month 29.

The work has included participating in the Knowledge Management Team (KMT) discussions and setting up a CARDIAC Wikispace for gathering input from the stakeholders ahead of the SDDP meeting (<http://userinteraction-sdd-cardiac.wikispaces.com/>),

There are no deviations to report in WP2 from Annex I of the DoW.

## **2.3 WP3 Inclusive Human-Machine Interaction**

The main effort in WP3 during this period has been focused on drafting a preliminary advanced version of Deliverable D3.2, which was submitted for the second annual review on June the 8<sup>th</sup> 2012. Since the review meeting, work has been continuing on this deliverable in order both to prepare the final version for the final review and to use the deliverable as input for overall integrated roadmap.

There are no deviations to report in WP3 from Annex I of the DoW.

The block diagram in figure 2 below shows the relationship between the various tasks and deliverables in Work package 3.

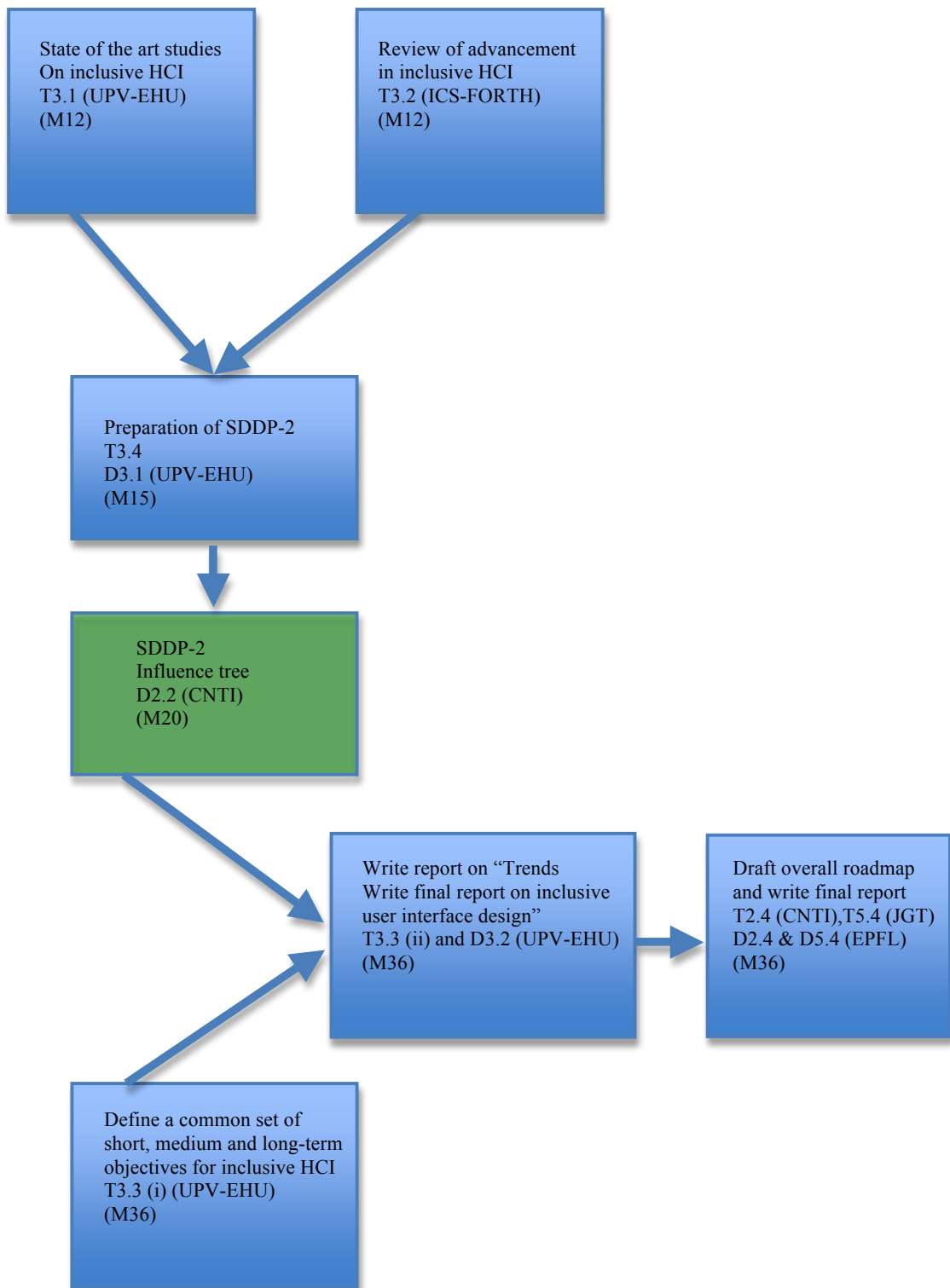


Figure 2: WP3 Workplan

## 2.4 WP4 Network-based Applications

In the report period, the main activity foreseen in WP4 was the one defined in Task 4.2, whose aims were: (i) the definition of a common set of research and development objectives for inclusive network services and applications and (ii) the proposal of a roadmap for eInclusion research and development activities, produced according to the SDDP methodology. Accordingly, the third road-mapping event (SDDP workshop) on “Trends on Inclusive Network-based Applications” was held in the period 29<sup>th</sup> – 31<sup>th</sup> of May 2012 in Florence. This was organised according to the steps defined in the guidelines of the kick-off meeting in March 2010 of the Knowledge Management Team (KMT3): (i) identification and consultation with the relevant stakeholders, (ii) definition of the Triggering Question for the road-mapping event and (iii) invitation of all the participants.

A list of relevant stakeholders (including user’s organisations, human factor specialists, researchers, mainstream ICT developers, assistive ICT developers, ICT SMEs, educational and training organisations), was drawn up several months before the meeting. Representatives from the identified stakeholders were invited to participate and discuss about the following triggering question: *“What research actions should be supported to exploit emerging network infrastructures and services to facilitate eInclusion?”*

The background information setting the context for the Triggering Question with a view of bringing the participants to a common understanding of the issue was provided in deliverable D4.1 “Report with basic materials needed to support the SDDP-3 Meeting” (submitted at the previous review) and via the CARDIAC Wiki space: <http://network-based-applications-sdd-cardiac.wikispaces.com>. The deliverable was a part of the activities of T4.1 “State-of-the art studies about network services and applications (including mobile and pervasive standards and technologies”.

The consultation process was started via the same CARDIAC Wiki space. The final number of participants in the workshop was 23 (fourteen from the consortium and nine external participants), compatible with the ideal number of participants in such SDDP events that is in the range 20-25. Each of the identified stakeholder categories/areas of expertise was covered by at least three of the participants. A full list of the participants and their field of expertise is available in Deliverable 2.3 “Influence Tree for eInclusion Research and Development Priorities for WP4”, where the outcomes of the workshop are described in detail.

The ideas proposed by the participants and the influence tree resulting from the discussion was taken up and further analysed by WP4 and form part of the overall analysis and roadmap drawn up in Deliverable D4.2 “Report identifying research and development areas and activities in Network-based Applications”, due in month 36. In the deliverable, following a short review of the methodological approach selected to construct a vision of possible research and development activities based on ideas proposed by relevant stakeholders in order to advance eInclusion, a presentation will be made of the topic discussed in the specific workshop, i.e. the impact of emerging network services and applications on eInclusion. The underlying hypothesis is that the Information Society is developing toward an ambient intelligence environment. Technical developments in ICT in general and in networks (e.g. Web 2.0, internet of services, and internet of things) in particular, will be briefly reviewed. The functionalities and support offered by the services and applications themselves, assumed accessible by definition, and/or by interconnected people will be considered, in order to favour the identification of possible new inclusion

opportunities or additional problems and, correspondingly, of research and development activities meant to take full advantage of opportunities and reduce problems.

Information made available in the report will be a contribution toward the development of a general research agenda roadmap presented in the final report of the project, together with the outcomes of the SDDP1 on “Technology Transfer – How to achieve accessibility”, the SDDP2 on “Trends on Inclusive User Interface Design” and the studies on Smart houses and eLearning.

Work was also carried out on task T4.3 dealing with an analysis (at the conceptual level) of the possible impact of the suggested research activities in ensuring Accessible and Assistive content and support in the eLearning environment. The available Learning Management Systems were surveyed, including Blackboard/WebCT, LAMS – open source, popular, eLearning standard oriented, advanced pedagogic support, Model – open source and freeware, widely used, eLearning support, DotLRN – open source and freeware, popular, standard oriented, advanced pedagogic support (to be done) and ATutor – especially concerned with accessibility related issues.

#### WP4. Deliverables:

The D4.1 "Report with background material needed to support the SDDP-3 Meeting" (Month 24) has been used for the preparation of SDDP-3 meeting on the theme of “Network-based applications and services”, in Florence, Italy in May 29-31 2012. The aim of this deliverable has been to create a common platform to orientate and facilitate the discussions of the invited experts.

A detailed analysis of the results of the SDDP-3 and its interpretation will be included in the Deliverable D2.3 "Influence map for eInclusion research and development priorities for WP4" (Month 29) together with the raw data from SDDP-3 (prepared by WP2). WP4 will carry out in the analysis and interpretation of the SDDP-3 results.

The conclusions of SDDP-3 will be extensively used to define a common set of objectives eInclusion that will be the core of the Deliverable D4.2 on “Report identifying research and development areas and activities, suggesting how inclusion could be achieved and describe the foreseeable benefits” (Month36).

There are no deviations to report in WP4 from Annex I of the DoW.

The block diagram in figure 3 below shows the relationship between the various tasks and deliverables in Work package 4.

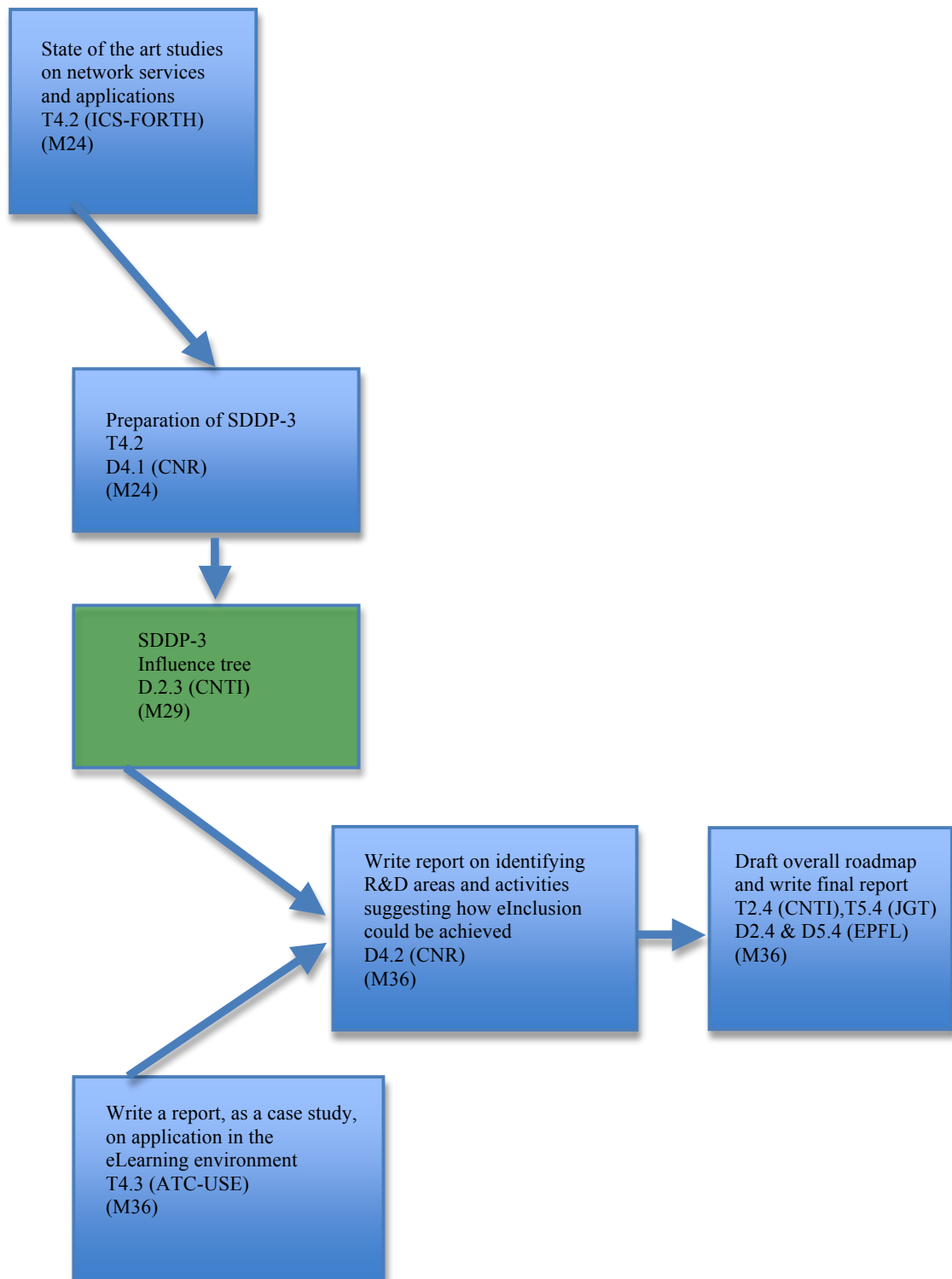


Figure 3: WP4 Workplan

## 2.5 WP5 Dissemination

The Cardiac website ([www.cardiac-eu.org](http://www.cardiac-eu.org)) has been updated to include a new section on the project deliverables and a new section concerned with network-based services.

Work has begun on Deliverables D5.3a and D5.3b (Task T5.3) and both public reports are expected to be completed by the 30<sup>th</sup> of September 2012.

The following major eAccessibility/AT events were attended by at least one member of the consortium during the second six-month period (task T5.5):

- "Human-Computer Confluence Research Challenges", Vienna, May 14-15, 2012.
- Building for Everyone: A Universal Design Approach [BfE series](#) CEUD Dublin February 2012
- AAATE Workshop, European Service Delivery Systems, Copenhagen, Denmark, May 21-22
- Designing Enabling Economies and Policies (DEEP 2012): A G3ict International Inquiry on ICT Accessibility hosted by OCAD University, with the support of the Province of Ontario, Canada
- Final BRAID Conference, Prague, Czech Republic, May 28, 2012.
- Concertation Meeting in Brussels, June 7<sup>th</sup>, 2012 attended by Patrick Re and Yiannis Laouris
- Universal Design 2012, Oslo, Norway 11-13 June, 2012
- ICOST2012- 10th International Conference on Smart Homes and Health Telematics, 13 - 15 June 2012 Tuscany, Italy, [www.conference-icost.org](http://www.conference-icost.org)
- ICCHP 2012 Conference. Linz, Austria on 11-13 July 2012 (<http://www.icchp.org/>), which Partner ICS-FORTH will attend
- PDC 2012, Participatory Design Conference, Copenhagen, 12-16 August 2012.

The events identified for the next 6-month period include:

- Joint CARDIAC / Royal Geographical Society seminar in London entitled "Priorities for Accessible Location Services using network/based information
- Shared Space, Shared Surfaces and Home Zones from a Universal Design Approach for the Urban Environment in Ireland" CEUD Dublin conference November 2012
- SAB Meeting of Cloud4All project in Madrid on the 27<sup>th</sup> of November 2012, to be attended by partners EPFL, CNR and EHU
- "Universal Design for Digital Document Creation and Publication" Seminar CEUD Dublin, December 2012
- Final CARDIAC Conference organised in collaboration with the IET on the 22<sup>nd</sup> of January 2013 in London.

The only deviation to report in WP5 from Annex I of the DoW, is the delay in the production of deliverable D5.3 (Month 36 instead of Month 22) as approved by the reviewers during the second annual review.

## 2.6 WP6 Project management during fifth six-month period

### Consortium management tasks and achievements

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The main management tasks over this period of the project has been to assist in the coordination and preparation of the third SDDP event held in Florence and to ensure the partners took into account the recommendations made by the reviewers at the second annual review.

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

There are no problems to report during this period.

### **Changes in the consortium**

There have been no changes to the consortium.

### **List of project meetings, dates and venues**

The 4<sup>th</sup> Consortium Meeting was held in Florence on the 28<sup>th</sup>-29<sup>th</sup> of May 2012, just ahead of the third SDDP event.

For the sixth and final period, a meeting of the WP leaders is scheduled for the 24<sup>th</sup> - 25<sup>th</sup> of September 2012 in Iver, UK, in order to progress with the integrated roadmap from all three WPs. The fifth and final CARDIAC Consortium Meeting is scheduled for the 23<sup>rd</sup> – 24<sup>th</sup> of January 2013 in Windsor, UK, just after the final Conference which is to be held in London on the 22<sup>nd</sup> of January 2013.

### **Project planning and status**

The main tasks over the next and final period will be to draft the final reports and draw up the roadmaps from WP1, WP3 and WP4 so that the integrated overall roadmap can be generated well in advance of the final conference.

### **Impact of possible deviations from the planned milestones and deliverables**

There have been no deviations in the planned milestones.

One of the Deliverables, deliverable D5.3, has been delayed from Month 24 to Month 36, so that the full results and analysis from the second and third SDDPs in San Sebastian and Florence could be taken into account. It is also proposed to have two separate reports for each of the roadmaps (D5.3A and D5.3B). This modification in scheduling was approved by the reviewers at the second annual review.

### **Any changes to the legal status of any of the beneficiaries**

There have been no changes to the legal status of any of the beneficiaries.

### **Development of the Project website, if applicable**

The project website has been developed according to plan and has continued to be updated. This is an essential tool for the visibility of the project as well as a means to communicate future deliverables and results.

Other tools used by the partners to coordinate the work include, standard email exchange, Skype calls, Illuminate software, teleconference calls and Wikispaces.

### **Special Advisory Board**

Contact has been maintained with the seven current members of the Special Advisory Board:

- Dr. Ricardo Baez-Yates, Head of Yahoo! Research, Barcelona,
- Prof. Zhengjie Liu, Director of the Sino-European, Usability Center (SEUC) Dalian Maritime University,
- Prof. Thijs Soede, Zuyd University, Centre of Research Technology in Care.
- Dr. Gregg Vanderheiden, TRACE Center, University of Wisconsin
- Peter Korn, Oracle
- Chiara Giovannini, ANEC
- Hiroshi Kawamura, Chairperson of DAISY consortium

One of the members, Hiroshi Kawamura, was able to attend the third SDDP event in Florence and input into the process was received from ANEC.

Over the next six-month consultation is to begin concerning the final CARDIAC event which aims to bring together the three roadmaps into one overall integrated roadmap.

### Deliverables and milestones tables

Table 1: Deliverables											
Del. no.	Deliverable name	Version	WP no.	Lead beneficiary	Nature	Dissemination level <sup>9</sup>	Delivery date from Annex I	Actual / Forecast delivery date dd/mm/yyyy	Status Not submitted/ Submitted	Contractual Yes/No	Comments
D2.3	Influence map for inclusion R&D priorities for WP4	I	WP2	3	R	PU	29	31/10/2012 31/07/2012	Submitted	yes	
D6.5	5th bi-annual Progress Report	I	WP6	I	R	PU	30	31/10/2012 30/08/2012	Submitted	yes	

<sup>9</sup> **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

There have been two deliverable and one milestone due during the 5<sup>th</sup> six-month period.

Table 2: Milestones								
Milestone no.	Milestone name	WP no.	Lead beneficiary	Delivery date from Annex I dd/mm/yyyy	Achieved Yes/No	Actual / Forecast achievement date dd/mm/yyyy	Status Not submitted/ Submitted	Comments
MS4	3rd SDPP Meeting	WP2 WP4	3	30/05/2012	Yes	31/05/2012 31/05/2012	Submitted	



## Explanation of the use of resources

Person-Month Status Table			Partner - Person-month per Workpackage												
CONTRACT N°: 248582															
ACRONYM: CARDIAC															
PERIOD: 01.03.2012 - 31.08.2012 (period 5)															
		TOTALS	Coord. EPFL	P2 CRC	P3 CNTI	P4 UPV-EHU	P5 CNR	P6 FTB	P7 JGT	P8 SMH	P9 IFU-JIO	P10 IIT	P11 ICS-FORT	P12 ATC-US	P13 UTL-FMH
Workpackage 1: Title	Actual (previous Periods):	12.2		5.5				3.9			2.8				
	Actual (this Period):	1.9		0.2				1.0		0.5	0.2				
	Actual (total)	14.1		5.7				4.9		0.5	3.0				
	Planned (total):	16.5		6.0				6.0		1.5	3.0				
Workpackage 2: Title	Actual (previous Periods):	16.1	3.5	0.8	4.6	0.9	0.7	0.7	0.9	1.0	0.6	0.3	0.7	0.7	0.8
	Actual (this Period):	4.3	0.3	0.2	1.8	0.1	0.3	0.3	0.1	0.1		0.3	0.3	0.3	0.2
	Actual (total)	20.4	3.8	1.0	6.4	1.0	1.0	1.0	1.0	1.0	0.6	0.6	1.0	1.0	1.0
	Planned (total):	21.0	3.0	1.0	7.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Workpackage 3: Title	Actual (previous Periods):	8.0				3.6	1.1			1.4			2.0		
	Actual (this Period):	1.4				1.2							0.2		
	Actual (total)	9.4				4.8	1.1			1.4			2.2		
	Planned (total):	10.5				5.0	1.0			2.0			2.5		
Workpackage 4: Title	Actual (previous Periods):	6.4				0.4	3.5						1.0	1.5	
	Actual (this Period):	1.8				0.3	0.5						0.5	0.5	
	Actual (total)	8.2				0.7	4.0						1.5	2.0	
	Planned (total):	12.0				1.0	4.5						2.5	4.0	
Workpackage 5: Title	Actual (previous Periods):	3.3	0.5						2.8						
	Actual (this Period):	1.4	0.2						1.2						
	Actual (total)	4.7	0.7						4.0						
	Planned (total):	7.0	1.0						6.0						
Workpackage 6: Title	Actual (previous Periods):	2.0	2.0												
	Actual (this Period):	0.5	0.5												
	Actual (total)	2.5	2.5												
	Planned (total):	3.0	3.0												
Total Project Person-month	Actual (previous Periods):	48.0	6.0	6.3	4.6	4.8	5.3	4.6	3.7	2.3	0.6	3.1	3.7	2.2	0.8
	Actual (this Period):	11.3	1.0	0.4	1.8	1.6	0.8	1.3	1.3	0.6	0.0	0.5	1.0	0.8	0.2
	Actual (total)	59.3	7.0	6.7	6.4	6.4	6.1	5.9	5.0	2.9	0.6	3.6	4.7	3.0	1.0
	Planned (total):	70.0	7.0	7.0	7.0	7.0	6.5	7.0	7.0	4.5	1.0	4.0	6.0	5.0	1.0

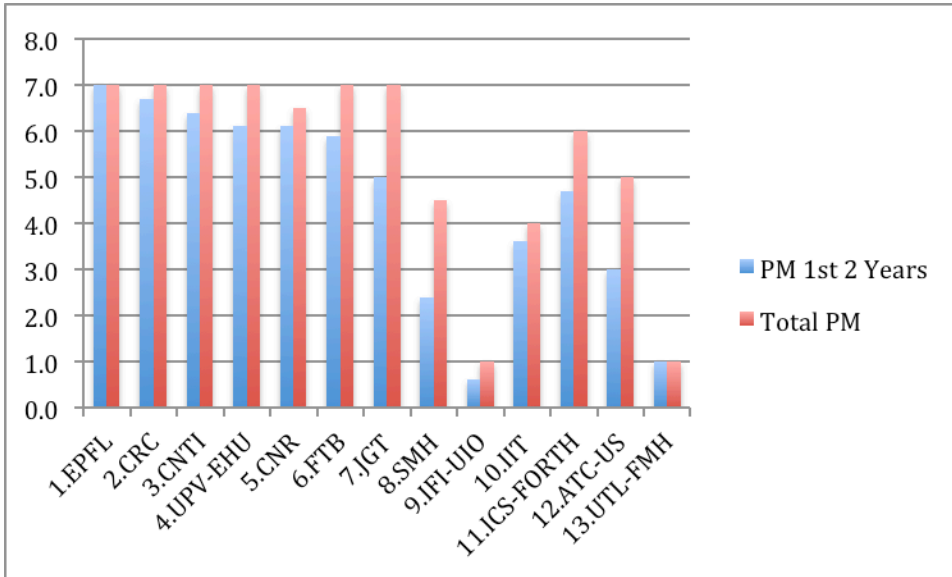
Table 2: Person months per partner during 5<sup>th</sup> 6-month period

The persons months indicated in table 2 are in close alignment with the planned person months.

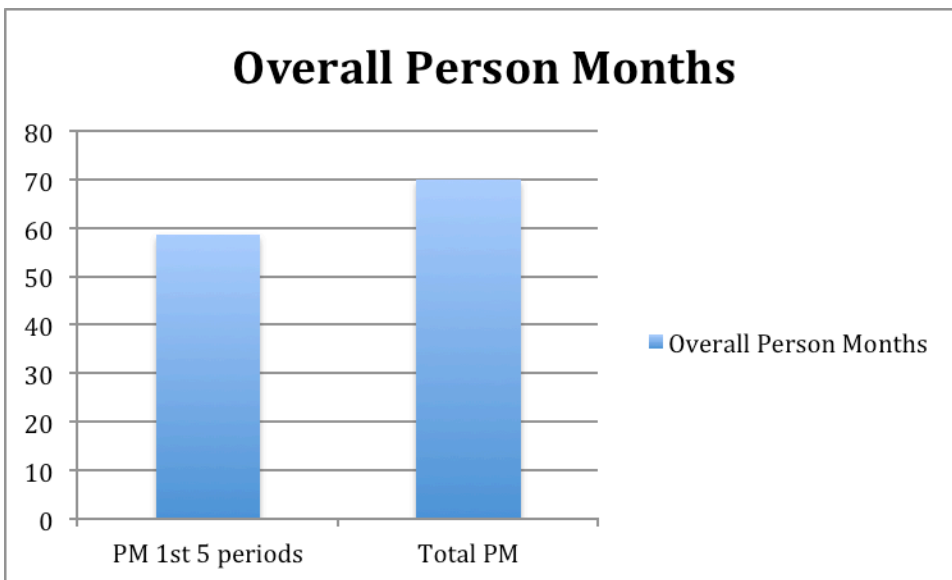
There are no major deviations to report during this period.

### Person months

Graph 1 below shows the person months per partner for the first two and a half years as compared to the overall allocation of person months and graph 2 shows the total amount of person months of the project during the first two and half years as compared to the overall allocation of 70 person months.



Graph 1. Person months per partner during the first two years of the project as compared overall allocation.



Graph 2. Overall person months of all the partners during the first two years as compared to overall allocation.

There are no major deviations to report during the first two years of the project.

### **Section 3: Conclusions**

The project has progressed much as expected over the past 6 months according to the DoW. The only milestone of the project has been achieved (third SDDP3 in Florence) and all the raw data has now been gathered to enable the individual roadmaps to be drawn up in WP1, WP3 and WP4. This in turn will enable the partners to generate the integrated overall roadmap, bringing together the results from all three work packages.

The coordination action is now entering its final 6-month period where all efforts will be focused on providing the final reports and roadmaps including the overall research agenda roadmap in line with the reviewers' recommendations from the latest annual review meeting in Brussels.

The final CARDIAC Conference is scheduled for the 22<sup>nd</sup> of January 2013 in London, which will be a major opportunity to disseminate the results from the project and consult with the relevant stakeholders.