Project Number:	**325137**
Acronym:	**E-NO FALLS**
Title:	**European Network fOr FALL Prevention, Intervention & Security E-NO FALLS**
Call (part) identifier:	CIP-ICT-PSP-2012-6
Start date:	28/01/2013
Duration:	37 months

D5.3.3 Second annual progress and summary financial report

Nature[1]: R
Dissemination level[2]: PU
Due date: Month 25
Date of delivery: Month 26
Partner involved:

- Universitat Politècnica de Catalunya (UPC)

Authors: Andreu Català (UPC) Lucía Alandes (UPC)

[1] R = Report, P = Prototype, D = Demonstrator, O = Other

[2] 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)

Revision history

Rev.	Date	Partner	Description	Name
0	02/03/15	UPC	Initial release	Lucía Alandes
1	20/03/15	UPC	First version	Lucía Alandes
2	10/04/15	UPC	Second version	Andreu Català /Lucía Alandes
3	17/04/15	UPC	Final approval	Andreu Català
4	29/07/15	UPC	Updated sections 3.2.1.5, 3.2.2.5, 3.2.3.5, 3.2.4.8	Lucía Alandes
5	31/08/15	UPC	Final approval	Lucía Alandes

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Glossary

TN	Thematic Network
WP	Work Package
DoW	Description of Work
ENF	E-NO FALLS
PFN	PROFOUND
EIP-AHA	European Innovation Partnership on Active and Healthy Ageing
QM	Quality Management

PROGRESS REPORT

Grant Agreement number: 325137

Project acronym: E-NO FALLS

Project title: European Network fOr FALL Prevention, Intervention & Security E-NO FALLS

Project type: ☐ **Pilot A** ☐ **Pilot B** ☑ **TN** ☐ **BPN**

Periodic report: **1st** ☐ **2nd** ☑ **3rd** ☐ **4th** ☐

Period covered: **from March 1th, 2014 to February 28th, 2015 (M14 – M25)**

Project coordinator name, title and organisation: Andreu Català, Professor

Universitat Politècnica de Catalunya - UPC

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Project website address: http://www.e-nofalls.eu

1 Declaration by the Project Coordinator

I, as coordinator of this project and in line with my obligations as stated in Article II.2 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):

  X has fully achieved its objectives for the period;

  has achieved most of its objectives for the period with relatively minor deviations;

  ☐ has failed to achieve critical objectives and/or is deviating significantly from the schedule.

- The public Website is up to date;
- *[this point only applies to projects with actual cost reimbursement]* To my best knowledge, the information contained in the financial statement(s) submitted as part of this report is in line with the actual work carried out and consistent with the reported resources and if applicable with the certificates on financial statements.

Name and position of Coordinator: Andreu Català Mallofré, SENIOR RESEARCHER

Date: 16/04/2015

Signature:

2 Publishable Summary

2.1 Objective

The main goal of E-NO FALLS thematic network is to integrate and bring together knowledge, experiences and best practices acquired at European and international level in the area of fall prevention, intervention and safety, with the aim of coordinating ongoing activities and creating the necessary conditions and consensus on action plans, standards and specifications in view to ensure the widest future replication and co-deployment of innovative solutions (with special emphasis on ICT-based ones).

- The network main goal is to integrate and bring together knowledge, experiences and best practices acquired at European and international level in the area of fall prevention, intervention and safety.

- The network will be a forum to eventually provide guidance for ICT-enabled solutions and their roll-out.

2.2 Chosen Approach

E-NO FALLS is implemented on the basis of a three-year work plan, which foresees timely completion of all the networking, coordination and dissemination activities outlined in the previous sections of this document, along with specific actions (i.e. working groups, workshops, awareness campaigns and exchanges of good practices) for bringing together relevant stakeholders, expertise and facilities with the objective of exploring new ways of implementing ICT-based solutions.

From a technical/technological perspective, most of the deliverables of the project will be public documents addressing roadmaps, toolkits and best practices guidelines and also recommendations for overcoming the main obstacles detected, contributing in this way towards the deployment of innovative ICT-based fall prevention and effective intervention solutions for elderly people while empowering an EU-wide market for ICT-enabled Ageing Well solutions.

An integrated methodology taking care of this approach has been developed, thus E-NO FALLS is organised in three stages (I, II, III) - each covering one or more work packages - and horizontal activities concerning the management and dissemination of the project.

2.3 Contribution

E-NO FALLS contributes to the implementation of the European Innovation Partnership on Active and Healthy Ageing (EIP on AHA) which aims to increase the average healthy lifespan of Europeans by 2 years by 2020.

E-NO-FALLS has been committed to the EIP AHA Action Group A2 on fall prevention and will actively support the implementation of the action plan. The Action Group A2 is based on Specific Action on innovation in support of "Personalized health management, starting with a Falls Prevention Initiative".

2.4 Alignment

In the same sense, E-NO FALLS collaborates with the PROFOUND thematic network through the alignment process, to ensure synergies and efforts sharing. The output expectation of the network is to maximize the social and economic potential of ICT-based solutions, while promoting and accelerating wider deployments for improving quality of life and sustainability of care for the ageing population. E-NO FALLS will provide a website repository of available ICT technologies for both falls prevention and detection. It will also include a revision of advanced prototypes developed in research projects.

The thematic networks E-NO FALLS and PROFOUND together with the EIP AHA A2 act as facilitators of the repository with the main objective to publicize ICT fall prevention and detection initiatives and deepen their knowledge through the interaction with all stakeholders involved in these systems, from the end-user to the decision makers. The repository is strongly related to the on-line innovation factory, a collaborative tool for the developing of new ideas for falls prevention technology.

Moreover, the alignment between E-NO FALLS and PROFOUND thematic networks actively seek and exploit synergies in terms of: activities, events, communication, deliverables, awareness campaigns and milestones.

2.5 Objectives Achieved during the second period

The project activities are scheduled along 37 months. During the second year, main objectives have been:

- Development of recommendations on information and awareness activities and partnership enhancement based on the previous analysis of the best practices of the different agents.

- Comparison of socio-economic and clinical impact assessment methods in falls domain based on criteria supervised by experts in the area.

- To explore and identify the success factors to strengthen the innovative procurement process PCP /PPI to contribute to the deployment of innovative ICT based fall prevention and intervention solutions

- To collect best practices addressing issues to overcome legal uncertainties, awareness of ICT solutions and actions to convince stakeholders and final users of the benefits of fall prevention products

- To analyze the different aspects and perspectives of standardization and interoperability in order to establish a common framework for the fall prevention and intervention field

- To analyse the market opportunities and define viable business plan to exploit the results and ensure the continuity of the network

- Alignment of communication and dissemination strategies with ProFouND thematic network.

- Enhance the common work between both thematic networks

3 Project Progress

3.1 Project objectives for the period

Project objectives are exhaustively described in the Dow document. In the publishable summary, a brief summary has been presented. We will consider these referred points as the basis for the description of the activity and goals obtained during the second year of the project.

To reach such ambitious goal, E-NO FALLS project is structured over the following four Working Groups (WG):

- WG1: Targeted Information and awareness actions - Partnership enhancement.
- WG2: Socioeconomic and clinical impact assessment methods.
- WG3: Public/private pre-commercial procurement.
- WG4: Towards Market Uptake.

The project is structured over five Work Packages (WPs), WP1, WP2, WP3 and WP4 related to WG1, WG2, WG3 and WG4 respectively and WP5 related to the Project Management and the implementation tools for the Dissemination & Communication & Visibility of the project are carried out by the coordinator. Each WP is organized in a set of related tasks, each of them leaded by one partner who is in charge of the coordination of the work to be done and the quality of the foreseen objectives.

The activity of the WPs has been running as scheduled in the DoW, developing the foreseen related Tasks with some delay in some tasks. In Figure it is shown the Gantt Diagram of the project. A complete view of the Gantt diagram, responsibilities and distribution of task and deliverables among the different partners and the distribution of person month and costs are in Annex 3 in the DoW revised version 03/03/2015.

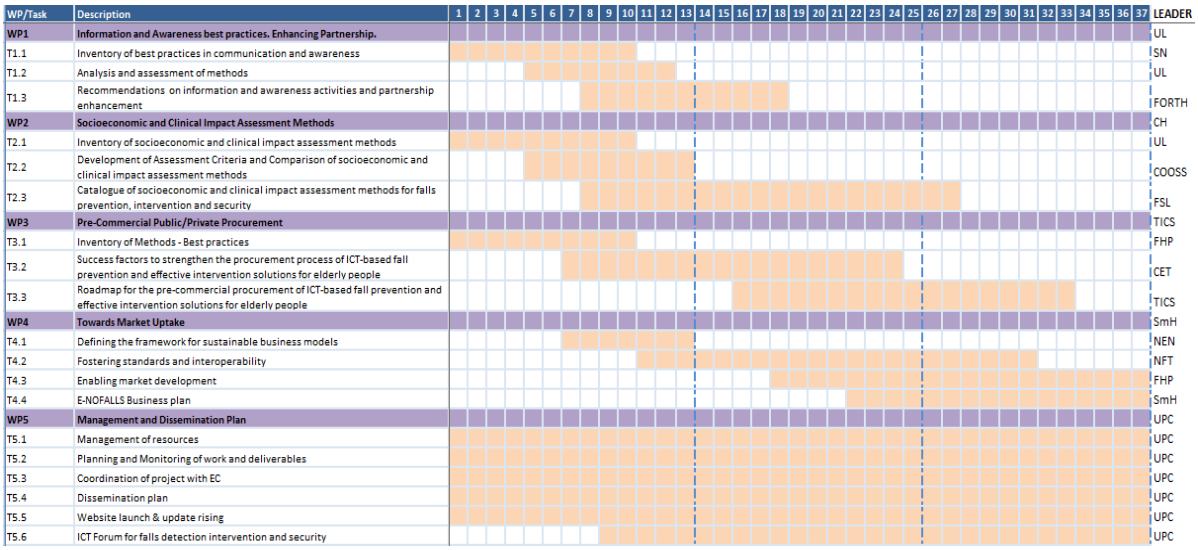

Figure 1. E-NO FALLS Gantt Diagram

		Period 1												Period 2												Period 3											
WP/Task	Description	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
DELIVERABLES	**WP1**																																					
D1.1	Inventory of best practices in communication and awareness																																					
D1.2	Analysis and assessment of methods																																					
D1.3	Recommendations for enhancing partnerships and awareness raising																																					
MILESTONES	**WP1**																																					
ML1.1	Workshop on comunication and awareness																																					
DELIVERABLES	**WP2**																																					
D2.1	Inventory of socio-economic and clinical impact assessment methods																																					
D2.2	Comparison of socio-economic and clinical impact assessment methods																																					
D2.3	Catalogue of socio-economic and clinical impact assessment methods																																					
MILESTONES	**WP2**																																					
ML2.1	Socio-economic and clinical impact assesment validation Workshop																																					
DELIVERABLES	**WP3**																																					
D3.1	Inventory of good practices in a White Paper																																					
D3.2.1	Selection of Successful Cases and successful factors in public/private Procurement for ICT-based fall prevention and Intervention solutions																																					
D3.2.2	Success Factors to be applied in public/private Procurement for ICT-based fall prevention and Intervention solutions																																					
D3.3	Roadmap for the pre-commercial procurement of ICT-based fall prevention and effective intervention solutions for elderly people																																					
MILESTONES	**WP3**																																					
ML3.1	Pre-Commercial Public/Private Procurement Workshop																																					
DELIVERABLES	**WP3**																																					
D3.1	Inventory of good practices in a White Paper																																					
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D3.3	Roadmap for the pre-commercial procurement of ICT-based fall prevention and effective intervention solutions for elderly people																																					
MILESTONES	**WP3**																																					
ML3.1	Pre-Commercial Public/Private Procurement Workshop																																					
DELIVERABLES	**WP4**																																					
D4.1	Inventory -best practices in sustainable business models																																					
D4.2.1	Standarisation and interoperability analysis																																					
D4.2.2	Recommendations for standarisation and interoperability																																					
D4.3.1	Market development Roadmap. Preliminary																																					
D4.3.2	Market development Roadmap. Final																																					
D4.4.1	Preliminary E-NO FALLS Business plan																																					
D4.4.2	Final E-NO FALLS Business plan																																					
MILESTONES	**WP4**																																					
ML4.1	Market uptake Workshop																																					
DELIVERABLE	**WP5**																																					
D5.1	E-NO FALLS handbook and Quality and Risk Management Plan																																					
D5.2	Ethical issues and gender equality promotion report																																					
D5.3.1	First interim progress report (alignment)																																					
D5.3.2	First annual progress and summary financial report																																					
D5.3.3	Second annual progress and summary financial report																																					
D5.3.4	Third annual progress and summary financial report																																					
D5.4	Communication and Dissemination Strategy																																					
D5.5	Project website and dissemination material																																					
D5.6	ICT forum																																					
MILESTONES	**WP5**																																					
ML5.1	Forum online for internal TNs use																																					
ML5.2	Forum online fully operative																																					
ML5.3	Final Workshop																																					

In this section, it is presented and analysed the activity developed in the different WPs of the project, announcing the relevant details concerning the various related tasks included in them.

3.2 Work progress and achievements during the period

3.2.1 WP1. Information and Awareness best practices. Enhancing Partnership

3.2.1.1 Work Package 1 Overview

This section will describe the key details of Work Package 1 (WP1).

WP Title: 'Information and Awareness best practices. Enhancing Partnership'
Start Month: Month 1
End Month: Month 18
Lead Beneficiary: University of Limerick (UL)
Participants Involved in WP1:

- University of Limerick (UL)
- Universitat Politècnica de Catalunya (UPC)
- Cooperativa Sociale Cooss Marche Onlus Societa Cooperativa Per Azioni (COOSS)
- Fondazione Santa Lucia (FSL)
- Fundació Ticsalut (TICS)
- Foundation for Research and Technology Hellas (FORTH)
- Fundación Privada Cetemmsa (CET)
- Seniornett Norge (SN)

Total Person-Months for WP1: 23 person-months

3.2.1.2 Work Package 1 Objectives

The main goal of WP1 is to identify effective ways to raise awareness and disseminate the E-NO FALLS results and outputs among the different stakeholders in the value chain of the falls domain.
WP1 are already finished. D1.1 were initially rejected but was finally approved after implement the Commission recommendations that were:

- Stakeholder categories aligned with ProFouND
- Updated stakeholder lists
- Questionnaire administration methods clarified
- 'Best Practice' concept explored in more depth
- Literature review added to explore existing evidence
- Strengths & limitations of questionnaire methodology & sampling discussed

D1.2 Analysis and assessment of methods has been approved and D1.3 Recommendations has been submitted

It is hoped that the information obtained as part of WP1 will facilitate the development and use of suitable communication channels to target their respective interests, which in turn will facilitate the exchange of knowledge and experiences and enhance partnerships.

3.2.1.3 Work Package 1 Deliverables

In order to fulfil the objectives listed, WP1 is divided into three tasks with three corresponding deliverables, as listed in Table 1.

Deliverable Number	Deliverable Title	Lead participant	Estimated indicative person- months	Nature	Delivery Month
D1.1	Inventory of best practices in communication and awareness	SN	6.00	Report	10
D1.2	Analysis and assessment of methods	UL	8.00	Report	13
D1.3	Recommendations for enhancing partnerships and awareness rising. Preliminary	FORTH	9.00	Report	18
		Total	23.00		

Table 1. Details of WP1 Deliverables

The following sections will describe each task, provide details on the progress made on the task/deliverable to date, and summarise significant results relating to the specified task.

3.2.1.4 Task 1.3

Following the Inventory and Analysis of previous tasks , Task 1.3 “Recommendations on information and awareness activities and partnership enhancement”, led by FORTH, started at M8 and was completed at M18.
This task is oriented to generate recommendations – taking into account the results of the previous tasks reported in deliverables D1.1 and D1.2 – to facilitate a quicker and more intense uptake of falls prevention ICT-based solutions by coming up with:

• recommendations with regards to successful actions on information and awareness raising to be used in the falls ICT-based solutions domain;

• recommendations on actions for enhancing partnerships in the falls ICT-based solutions domain.
The recommendations have been developed taking into account different sources of evidence, including questionnaire responses from researchers and users including clinicians and elderly people, world cafés and workshops as well as literature review of best practices in the fields of communication and awareness actions.

<u>Details of Task Progress</u>

The recommendations provided in D1.3 will be determined based on the following sources of information:

- Relevant literature on awareness, communication and partnership enhancement in falls and related technology

- The results of the questionnaires obtained in task 1.2, including further analysis and contextualisation of the data obtained within the scope of the literature identified
- Expert discussions carried out among various stakeholder groups in different countries.

Summary of Significant Results of Task 1.3

Task 1.3 is currently finished

The results of further methods used to refine this initial inventory and thus determine best practices will also be discussed in D1.3, to ultimately allow concrete recommendations on best practices in communication and awareness in this field to be made.

D1.3 is already submitted. The analysis in D1.3 identifies strengths and recommendations for enhancing partnerships and awareness raising.

Main aims:

- To generate recommendations – taking into account the results of the previous tasks – to facilitate a quicker and more intense uptake of falls prevention ICT-based solutions

- Recommendations based on questionnaire findings, case studies, expert discussions and synthesis of current literature

- World Cafés/Workshops to obtain expert opinions

- It is evident that early and continued engagement of the end-users of ICT solutions is favoured throughout the research, development and deployment processes.

- A variety of methods to communicate and raise awareness of ICT solutions for falls have been suggested for example, work placements, trials of products with users, education/ media campaigns (radio, TV, online)

3.2.1.5 Use of Resources

The break-down of person-months (PM) for each participant in WP1 is displayed in Table 2. Since WP1 is on-going at this point in time, the actual PMs attributed to each participant in Year 2 overall are higher than the total projected PMs for the WP. Details on the use of resources for each participant in WP1 are provided in the following sections.

Participant Number	Participant Name	Total PM Planned	Actual Person-Months for P1+P2	Person-Months Remaining
1	UPC	2.00	2.60	-0.60
2	FHP	0.00	1.75	-1.75
3	UL	7.00	6.71	0.29
4	COOSS	3.00	1.18	1.82
7	FSL	2.00	2.00	0.00
9	TICS	1.00	1.01	-0.01
10	FORTH	3.00	2.38	0.62
12	CET	3.00	2.95	0.05
13	SN	2.00	2.50	-0.50
16	CHA	0.00	0.56	-0.56
18	McR	0.00	1.33	-1.33
	Total	23.00	24.97	-1.97

Table 2. WP1 Person-Months per participant

3.2.1.6 Final Comments and conclusions

WP1 Summary and key outputs

WP1 is progressing in line with the targets set out in the revised Description of Work following alignment with ProFouND and Action 2 of the European Innovation Partnership. It is projected that the remaining task and all deliverables will also be completed.

Based on the literature review in D1.1 and the findings from all the methods used in WP1, it has been clear that methods that engage stakeholders face to face in workshops, training, research activities, focus groups etc., are considered more effective in raising awareness, enhancing partnerships and disseminating information than those that are more impersonal and less interactive such as press releases, publications and internet media.

All communication and awareness activities need to be targeted and designed based on the specific goal to be achieved. Knowing the target group and the preferred outcome helps pick the necessary methods in order to go about reaching the goal. In the field of Falls management, there is a specific network of stakeholders that are acting towards helping improve prevention and management outcomes. People involved in this field need to identify all stakeholders in their region/country that are involved in falls prevention and the links that they have with each other. It is often the case that there are several links missing in the network for falls prevention and management making dissemination and communication activities difficult to accomplish the desired goals. Falls prevention and management is a collaborative effort and collaboration enhancement is at the core of reaching the desired outcomes for the majority of the elderly population.

National and international projects can be used to connect different stakeholders establishing a wide range of networks. By connecting all stakeholders, communication channels are more holistic and therefore more effective. However, communication will be effective only if the information is able to reach at all levels of the network involved. It is important to identify the network in its entirety and also the ways that each node of the network can be reached. For example, rural communities of elder adults living alone who do not have direct access to information, can be reached through their family members or local care provider. Social media routes can have a large impact to a big audience, however, are not directly relevant to the elderly community (based on computer literacy and access to internet), but again, social media can target family members and therefore reach indirectly a large part of the elderly community. However, researchers can only reach a wider audience when having the support of public authorities in all levels including budget, communication strategies, awareness campaigns, projects.

3.2.2 WP2: Socioeconomic and Clinical Impact Assessment Methods

3.2.2.1 Work Package 2 Overview

This section will describe the key details of Work Package 2 (WP2).

- WP Title: 'Socioeconomic and Clinical Impact Assessment Methods'
- Start Month: Month 1
- End Month: Month 28
- Lead Beneficiary: Charité – Universitätsmedizin Berlin (CHA)
- Participants Involved in WP2:
  - University of Limerick (UL)
  - Universitat Politècnica de Catalunya (UPC)
  - Cooperativa Sociale Cooss Marche Onlus Societa Cooperativa Per Azioni (COOSS)
  - Fondazione Santa Lucia (FSL)
  - Fundació Ticsalut (TICS)
  - Foundation for Research and Technology Hellas (FORTH)
  - Ana Aslan International Foundation (IAAF)
  - Charité – Universitätsmedizin Berlin (CHA)
- Total Person-Months for WP2: 22 person-months

3.2.2.2 Work Package 2 Objectives

The objective of WP2 is to create an inventory of criteria and methods for socio-economic assessment. But socio-economic assessment is dependent from the fulfilment of other aspects:

- technical aspects,
- medical effectiveness,
- organizational and
- economic aspects.

WP2 are in progress. D2.1 were rejected because there were insufficient information on the impact assessment methods (as per DoW).
Following the recommendations the deliverable was revised and resubmitted . D2.2 have been revised according D.2.1 and the deadline extension was approved.
And the D.2.2 is already submitted for the review.

3.2.2.3 Work Package 2 Deliverables

In order to fulfil the objectives listed, WP2 is divided into three tasks with three corresponding deliverables, as listed in Table 3.

Deliverable Number	Deliverable Title	Lead participant	Estimated indicative person- months	Nature	Delivery Month
D2.1	Inventory of socio-economic and clinical impact assessment methods	UL	4.00	Report	10
D2.2	Comparison of socio-economic and clinical impact assessment methods	COOSS	9.00	Report	13/25
D2.3	Catalogue of socio-economic and clinical impact assessment methods	FSL	9.00	Report	27
		Total	22.00		

Table 3. Details of WP2 Deliverables

The following sections will describe each task, provide details on the progress made on the task/deliverable to date, and summarise significant results relating to the specified task.

3.2.2.4 Task 2.2

- Title: 'Development of Assessment Criteria and Comparison of socioeconomic and clinical impact assessment methods'
- Task Leader: COOSS Marche (COOSS)

The main aim of task 2.2 is:

- To present an inventory of methods for defined criteria used in the socio-economic, health-economic, technical and clinical impact assessment for falls prevention/intervention/security ICT-based solutions.

Details of Task Progress

In cooperation with WP1 an online questionnaire about adoption barriers with European stakeholders was carried out during spring/Summer 2013. In September 2013 an expert discussion about socioeconomic criteria ("effectiveness") was performed. Further methods were literature review, medical guidelines, etc.

Current Task Status and Significant Results of D2.2

Task 2.1 and Task 2.2 are completed.

The deliverable D2.2 describe methods for the assessment of the criteria defined in D2.1.

- **Objective:** Inventory of criteria and methods for socio-economic assessment: technical aspects, medical effectiveness, organizational and economic aspects from different stakeholder perspectives.
- **Methods:** Online Survey WP1, focus groups, expert interviews, literature review, medical guidelines etc.

3.2.2.5 Use of Resources

The break-down of person-months (PM) for each participant in WP2 is displayed in Table 4. Since WP2 is on-going at this point in time, the actual PMs attributed to each participant in Year 1 overall are lower than the total projected PMs for the WP. Details on the use of resources for each participant in WP2 are provided in the following sections.

Participant Number	Participant Name	Projected Person-Months	Actual Person-Months Used	Person-Months Remaining
1	UPC	2.00	1.60	0.40
3	UL	3.00	2.60	0.40
4	COOSS	2.50	1.98	0.52
7	FSL	3.00	3.00	0.00
9	TICS	2.00	1.99	0.01
10	FORTH	3.00	2.50	0.50
13	SN	0.00	0.60	-0.60
14	AAIF	2.00	1.75	0.25
16	CHA	4.50	5.08	-0.58
	Total	22.00	21.1	0.90

Table 4. WP2 Person-Months per participant

3.2.2.6 Final Comments and conclusions

WP2 is progressing according to the timeline scheduling. It is projected that the remaining task and deliverable i.e. D2.3 will also be completed on schedule in Month 27.

As conclusion, D2.2 has been elaborate on the work presented in D2.1, and it is focus on comparing the socio-economic and clinical impact assessment methods identified in that inventory. In order to make fair comparisons between various methods, it is necessary to define criteria by which these methods are to be assessed and compared.

The results of the survey aim also to represent the basis for the Catalogue of Methods to be implemented in the incoming D2.3. The main objective of the D2.3 is the realization of a Catalogue, based on the criteria already individuated and answers collected from questionnaire in the D2.2, on the methods able to select the more appropriate ICT solution for falls prevention.

A partly standardised questionnaire was send to experts (clinicians, health economists and technicians) identified by the E-No-Falls partners and the ProFOUND network. The results of the questionnaire should be used to develop a handbook of socio-economic and clinical assessment methods in D2.3

3.2.3 WP3: Pre-Commercial Public/Private Procurement

3.2.3.1 Work Package 3 Overview

This section will describe the key details of Work Package 3 (WP3).

- WP Title: 'Pre-Commercial Public/Private Procurement'
- Start Month: Month 1
- End Month: Month 33
- Lead Beneficiary: Fundació TicSalut (TICS)
- Participants Involved in WP3:
  - Universitat Politècnica de Catalunya (UPC)
  - Associação Fraunhofer Portugal Research (FHP)
  - Cooperativa Sociale Cooss Marche Onlus Societa Cooperativa Per Azioni (COOSS)
  - Fundació Ticsalut (TICS)
  - National University of Ireland, Galway (NUIG)
  - Fundación CETEMMSA (CET)
  - SIVECO Romania SA (SIV)
- Total Person-Months for WP3: 30.5 person-months

3.2.3.2 Work Package 3 Objectives

The main goal of WP3 on Pre-Commercial Public/Private Procurement, focuses on exploring the potential of pre-commercial public-private procurement to contribute to the deployment of innovative ICT-based fall prevention and effective intervention solutions for elderly people.

A deep analyse of the PCP /PPI projects allow us to detect the success factors to strengthen the innovative procurement process.

Finally, the design of a roadmap for the pre-commercial procurement of ICT-based fall prevention and effective intervention.

3.2.3.3 Work Package 3 Deliverables

In order to fulfil the objectives listed, WP3 is divided into three tasks with three corresponding deliverables

Deliverable Number	Deliverable Title	Lead participant	Estimated indicative person- months	Nature	Delivery Month
D3.1	Inventory of good practices in a White Paper	FHP	6.00	Report	14
D3.2.1	Success factors to strengthen the procurement process of ICT-based fall prevention and effective intervention solutions for elderly people. Preliminary	CET	6.00	Report	21
D3.2.2	Success factors to strengthen the procurement process of ICT-based fall prevention and effective intervention solutions for elderly people. Final	CET	5.00	Report	26
D3.3	Roadmap for the pre-commercial procurement of ICT-based fall prevention and effective intervention solutions for elderly people. Preliminary	TICS	13.50	Report	33
		Total	30.50		

Table 5. Details of WP3 Deliverables

Please note that D3.2.1 and D3.2.2 have changed the name from “Potential cases for public/private pre-commercial procurement. Preliminary and Final” to “Success factors to strengthen the procurement process of ICT-based fall prevention and effective intervention solutions for elderly people. Preliminary and Final.
This changed are caused because it is more effective to approach the roadmap with the clear identification of success factors of PCP/PPI strategies and their adaptation to the specifics features of the fall prevention/intervention. Nevertheless the success factors are provided by the previous analysis of successful cases of Pre-Commercial Public Procurement application.

Due to an administrative mistake the name of this deliverables is not correct in the part A of the current DOW.

3.2.3.4 Task 3.2

- Title: 'Potential business cases by strengthening the procurement process
- Task Leader: Associação Fraunhofer Portugal Research (FHP)

The main aim of task 3.2 is:

- To identify the success factors and to prepare the tools for the design of a PCP/PPI roadmap of fall prevention/intervention

Current Task Status

Task 3.2 is completed.

D3.2.1 and D3.2.2 were originally submitted on target

3.2.3.5 Use of Resources

Participant Number	Participant Name	Total PM Planned	Actual Person-Months for P1+P2	Person-Months Remaining
1	UPC	2.00	0.90	1.10
2	FHP	5.00	2.45	2.55
4	COOSS	3.90	2.51	1.49
8	ERL	0.00	0.10	-0.10
9	TICS	7.44	5.74	1.26
11	NUIG	5.00	4.50	0.50
12	CET	4.44	3.31	0.19
15	SIV	2.68	2.29	1.71
	Total	30.46	21.80	8.66

Table 6. WP3 Person-Months per participant

3.2.3.6 Final Comments and conclusions

WP3 is progressing in line with the targets set out in the revised Description of Work.

- Deliverable 3.2.2 from month 24 to month 26 has been submitted

COOS was leader of the deliverables D3.2.1 and 3.2.2 and in the current DOW (version 03/03/2015) this responsibility is assumed by CETEMMSA (partner nº12)

E- NO FALLS identifies good practices done and analyses what success factors that should be taken into account when launching procurement processes to boost ICT products and services for fall prevention and intervention. The aim is to increase awareness among all stakeholders involved in the *"ICT for Falls"* ecosystem and that therefore could potentially launch or participate in a PCP process to create step-change innovations in this field.
With this purpose:

- It has been drawn a methodology to identify success factors
- It have been analysed the cases and success factors identified in the E-NOFALLS's document "D3.1 Inventory of good practices in a White Paper"
- It have been identified a broad list of stakeholders who could provide relevant knowledge related to the Procurement Process of ICT solutions and specifically for fall prevention. Stakeholders have been consulted in relation to their projects in ICT for fall prevention and their experience in participation in procurement processes. Main sources of information were:
    - Stakeholders related to the cases described in "D3.1 Inventory of good practices in a White Paper"
    - Stakeholders identified in "D1.1 Inventory of best practices in communication and awareness"
    - Other sources of Knowledge: Literature review, Profound consortium, E-NOFALLS consortium, Inspire consortium
- Also it have been analysed the information gathered from the "2nd annual concertation meeting of on-going PCP Projects" held in Brussels on 5th of March 2015.

All the obtained information have been compiled, analysed and structured in order to get a final inventory of success factors to be taken into account in a procurement process for ICT-based fall prevention and intervention solutions.

3.2.4 WP4: Towards Market Uptake

3.2.4.1 Work Package 4 Overview

This section will describe the key details of Work Package 4 (WP4).

- WP Title: 'Towards Market Uptake'
- Start Month: Month 7
- End Month: Month 37
- Lead Beneficiary: SIVECO Romania SA (SIV) until January, Stichting Smart Homes (SMH) New leader
- Participants Involved in WP4:
  - Universitat Politècnica de Catalunya (UPC)
  - Associação Fraunhofer Portugal Research (FHP)
  - Stichting Smart Homes (SMH)
  - Emergency Response Limited (ERL)
  - Fundación CETEMMSA (CET)
  - Fundatia Ana Aslan International (AAIF)
  - SIVECO Romania SA (SIV)
  - Stichting Nederlands Normalisatie – Instituut (NEN)
  - McRoberts BV (MCR)
- Total Person-Months for WP4: 41 person-months

Siveco was leader of the WP4 and in the current DOW (version 03/03/2015) this responsibility is assumed by Stichting Smart Homes (partner nº 5).

3.2.4.2 Work Package 4 Objectives

- The main goal of WP4 is to elaborate guidelines, interoperability standards and toolkits for accelerating the deployment of innovative and ICT-based solutions related to fall prevention and intervention for elderly people, taking into account wider safety and independent living support as part of integrated solutions to prolong independent living of people at risk of falling.

- To analyze the barriers to be overcome in order to build the road towards the wide market penetration and deployment of innovative and ICT-based solutions.

- To lay the groundwork of the sustainability of the thematic network through the business plan

3.2.4.3 Work Package 4 Deliverables

In order to fulfil the objectives listed, WP4 is divided into 4 tasks with 7 corresponding deliverables.

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Deliverable Number	Deliverable Title	Lead participant	Estimated indicative person- months	Nature	Delivery Month
D4.1	Inventory-best practices in sustainable business models	SIV	8.00	Report	16
D4.2.1	Standardisation and interoperability Analysis	NEN	7.00	Report	21
D4.2.2	Recommendations for standardisation and interoperability	NEN	7.00	Report	31
D4.3.1	Market development Roadmap. Preliminary	FHP	8.00	Report	24
D4.3.2	Market development Roadmap. Final	FHP	7.00	Report	37
D4.4.1	Preliminary E-NO FALLS Business Plan	SMH	2.00	Report	25
D4.4.2	Final E-NO FALLS Business plan	SMH	2.00	Report	37
		Total	41.00		

Table 7. Details of WP4 Deliverables

The following sections will describe each task, provide details on the progress made on the task/deliverable to date, and summarise significant results relating to the specified task.

3.2.4.4 Task 4.1

- Title: Defining the framework for sustainable business models
- Task Leader: Siveco Romania (SIV)

The main aim of task 4.1 is:

- Identification of best practices addressing sustainable business models for solutions related to falls ICT management systems and socio-economic indicators comparative [month 13].

Details of Task Progress

Inventory of best practices addressing sustainable business models

D4.1 is constructed as a white paper aiming to identify best practices addressing sustainable business models for solutions related to falls ICT management systems and socio-economic indicators comparative and proposed a methodology to create an inventory of good practices and frameworks that are available or in use that can be considered to address this issue.

The method will be used to inquire authorities, bodies, private organizations and other interested parties for data that can be used in future work to be analysed in order to identify best practice and business models susceptible to improve chances of ICT adoption for fall detection and prevention systems and devices.

D4.1 presented an inventory of fall related ICT systems, ranging from European research projects to commercial solutions already available in the market.

Reimbursement mechanisms for eHealth services and insurance services

D4.1 paid special attention to reimbursement mechanisms for eHealth services and insurance services: Most current reimbursement schemes do not cover eHealth-based services, being therefore a critical barrier to the use of ICT-based solutions related to falls. Different mechanisms were analysed, such as:

- Payment differentials: bonuses and add-on payments that reward providers for adopting IT in relation to quality improvements targets
- Direct reimbursement of eHealth-based services
- Tax incentives

Current Task Status

Task 4.1 is completed.

First version of deliverable D4.1 was submitted on target and at the expected time in Month 13. After a first revision the document was not accepted due to the poor quality of the document. After extended verifications by coordinator the required corrections was send to the WP Leader and an skype meeting between the Project Coordinator and the WP Leader was used to clarify the necessary work in order to approve the deliverable 4.1. A revised version was submitted and

presented to the first annual review and there is not feedback in the **result letter** of the first annual review (neither accepted nor rejected)

3.2.4.5 Task 4.2

- Title: Fostering standards and interoperability
- Task Leader: Stichting Nederlands Normalisatie – Instituut (NEN)

The main aim of task 4.2 is:
- Elaborate standardization and interoperability analysis for the implementation of ICT-based fall prevention and effective intervention solutions for elderly people. [month 20]
- Elaborate standardization and interoperability Guidelines for the implementation of ICT-based fall prevention and effective intervention solutions for elderly people. [month 32]

Task 4.2 will inventory and analyse best practices in:
- Fostering international standards
- Fostering user/market-driven standards
- Promoting interoperability at EU and international level
- Reducing regulatory burdens in order to detecting which regulations in different countries are barriers for the market of the services/products resulting from falls ICT-based solutions.

<u>Details of Task Progress</u>

Current Task Status

Task 4.2 is currently in progress, and the first deliverable has been submitted.

<u>Summary of Significant Results from D4.2.1</u>

Conclusions of D4.2.1
The Healthcare Standardization industry is highly regulated therefore it is good for the industry to take standards and interoperability into account.
It would be the best to implement this on devices which already find their way in the market since the place in the market decides which standards and interoperability's are required

- Plenty standards exist on usability and user friendly design
- None of the developed products has used these standards
- Plenty of clinical tools exist to measure gait, strenghts, balance etc.
- There is no consensus on which tool is favourite, best or mostly used
- Plenty of industry standards exist on desing, interoperability
- Only the Philips device has used some standards
- The MDD is developed for monitoring equipment in healthcare
- None of the ICT based fall prevention solutions is registered as a Medical Device
- Plenty of standards exist on health informatics and interoperability

- None of the ICT based fall prevention solutions complies to the requirements –
- List of standards as in ch8 is not going to be of any use?

3.2.4.6 Task 4.3

- Title: Enabling market development
- Task Leader: Associação Fraunhofer Portugal Research (FHP)

The main aim of task 4.3 is:

- Elaborate a roadmap for the Market development containing key challenges, steps and phases (pathways) to go through while implementing a business process of ICT-based fall prevention and effective intervention solutions for elderly people.

This task is aimed to collect best practices addressing issues:

- Bring legal clarity: in order to overcome legal uncertainties which hinder the adoption of ICT-based fall prevention and effective intervention solutions.
- Build up awareness of ICT solutions
- Specific actions to convince prescribers, health professionals, social care and insurance companies of the benefits of fall prevention and management products.
- Specific actions to engage and convince the final users, their family or careers of the benefits and usability of fall prevention and management products.

<u>Details of Task Progress</u>

Task 4.3 is started, and it is currently in progress.

<u>Summary of Significant Results from D4.3.1</u>

The D4.3.1 Market Development Roadmap contain the key challenges, steps and phases to go through while implementing a business process of falls ICT solutions.
A first version of a roadmap for market development have been presented by evaluating the current challenges and main barriers for full deployment of ICT fall prevention and management solutions and the steps and phases for overcoming such obstacles have been placed. A first set of recommendations has been drawn for the different topics discussed

3.2.4.7 Task 4.4

- Title: E-NO FALLS Business plan
- Task Leader: Stichting Smart Homes (SmH)

The main aim of task 4.4 is:

- Analysis of market opportunities and define viable business plan to exploit the results.

Details of Task Progress

Task 4.4 is already started and in progress.

Summary of Significant Results from D4.4

The recommendations provided in D4.4.1 will be determined based on the following sources of information

- Analysis of market opportunities and define viable business plan to exploit the results and ensure the continuity of the network :
  - By offering – after the project end – "services" to vendors
  - Using the global community Open innovation market place by thousands of professionals who have free access to technology requests and offers posted by the company's customers, companies and research centers.

3.2.4.8 Use of Resources

The break-down of person-months (PM) for each participant in WP4 is displayed. Since WP4 is on-going at this point in time, the actual PMs attributed to each participant in Year 2 overall are lower than the total projected PMs for the WP. Details on the use of resources for each participant in WP4 are provided in the following sections.

Participant Number	Participant Name	Total PM Planned	Actual Person-Months for P1+P2	Person-Months Remaining
1	UPC	3.00	2.00	1.00
2	FHP	5.40	3.50	1.90
5	SmH	4.68	2.19	2.49
6	NFT	3.40	2.24	1.16
8	ERL	2.50	1.40	1.10
12	CET	4.00	3.27	0.73
14	AAIF	4.44	3.70	0.30
15	SIV	4.62	5.84	-1.22
17	NEN	5.44	3.50	1.94
18	McR	3.44	2.95	0.49
	Total	41.00	30.59	10.41

Table 8. WP4 Person-Months per participant

3.2.4.9 Final Comments

As this annual report demonstrates, WP4 is progressing in line with the targets set. It is projected that the remaining tasks and deliverables will also be completed on schedule, in spite of the change of the WP leader.

Task 4.1 Defining the framework for sustainable business models is completed, and has provided an inventory of best practices addressing sustainable business models in order to identify criteria that would help to create a generally usable business model for an efficient deployment of falls ICT management systems .

Task 4.2 Fostering standards and interoperability

- - The conclusions of the Analysis of standardization and interoperability are that Researchers and product developers do not know about standards
- Standards are difficult and complicated, compliance is expensive
- The ideal package of standards does not yet exist

Task 4.3 Enabling market development

- Elaborate a Roadmap for the Market development, containing the key challenges, steps and phases to go through while implementing a business process of falls ICT solutions.

Task 4.4 E-NO FALLS Business plan

- Analysis of market opportunities and define viable business plan to exploit the results and ensure the continuity of the network offering "services" after the project end

3.2.5 WP5: Management and dissemination plan

3.2.5.1 Work Package 5 Overview

This section will describe the key details of Work Package 5 (WP5).

- WP Title: 'Management and dissemination plan '
- Start Month: Month 1
- End Month: Month 37
- Lead Beneficiary: Universitat Politècnica de Catalunya (UPC)
- Participants Involved in WP4:
  - Universitat Politècnica de Catalunya (UPC)
  - Fundación CETEMMSA (CET)
- Total Person-Months for WP5: 24.50 person-months

3.2.5.2 Work Package 5 Objectives

Project Management is a critical component of the E-NOFALLS project and the purpose of this work package is to ensure the quality of results of the project activities and tasks and target dates for deliverable deadlines are achieved. Additionally the main structure of the dissemination activities is defined.

Specifically, the work package mainly aims to:

• Optimize the application of resources by creating an appropriate management framework, linking together all project components.

• Optimise the work within the project and among the partners.

• Ensure that all the aspects of the EC requirements for communication and reporting are met.

• Develop the project basic dissemination tools

3.2.5.3 Work Package 5 Deliverables

Deliverable Number	Deliverable Title	Lead participant	Estimated indicative person- months	Nature	Delivery Month
D5.1	E-NO FALLS handbook and Quality and Risk Management Plan	UPC	3.50	Report	12
D5.2	Ethical issues and gender equality promotion report	UPC	1.00	Report	28
D5.3.1	First interim progress report (alignment)	UPC	1.50	Report	19
D5.3.2	First anual progress and summary financial report	UPC	1.50	Report	19
D5.3.3	Second anual progress and and summary financial report	UPC	1.50	Report	26
D5.3.4	Third anual progress and summary financial report	UPC	1.50	Report	37
D5.4	Communication and Dissemination Strategy	UPC	4.00	Report	19
D5.5	Project website and dissemination material	UPC	2.00	Report	1
D5.6	ICT forum	UPC	8.00	Report	31
		Total	24.50		

Table 9. Details of WP5 Deliverables

3.2.5.4 Task 5.2

Task 5.2: Tittle: Planning and Monitoring of work and deliverables (UPC)

Smooth and timely communication has been maintained throughout the project with consortium members, mainly through the coordinator and each of the WP leaders. Task responsibilities include:

• Overseeing the timely implementation of development and reporting within each work packages

• Activity reports has been written every period.

Task 5.2 is in progress

3.2.5.5 Task 5.3

Task 5.3: Tittle: Coordination of project with EC (UPC)

The coordinator, UPC, has been the sole point of contact between the EC and the project consortium. It will ensure that all milestones are met and that all reports are prepared in accordance with contractual requirements. The coordinator is also responsible for the financial administration of the project and its funds by completing all annual periodic progress reports and financial claims along with the cost statements collection.
During this period special attention has been dedicated to the amendment process related of on defaulting partner (detailed explanation at section number 6).

Task 5.3 is in progress

3.2.5.6 Task 5.4

Task 5.4:Tittle: Dissemination plan (UPC)

The dissemination plan supports presentation and reporting of all activities performed and all actions planned during the project lifecycle including, the design of the project visual identity ("branding"), the scheduling of all on-line and off-line dissemination activities and reporting to the Commission and achieving visibility in Commission-programme websites. The communication and dissemination strategies have been aligned with PROFOUND thematic network and EIP AHA A2 initiative.

Task 5.4 is in progress and detailed explanation at section number 4.5

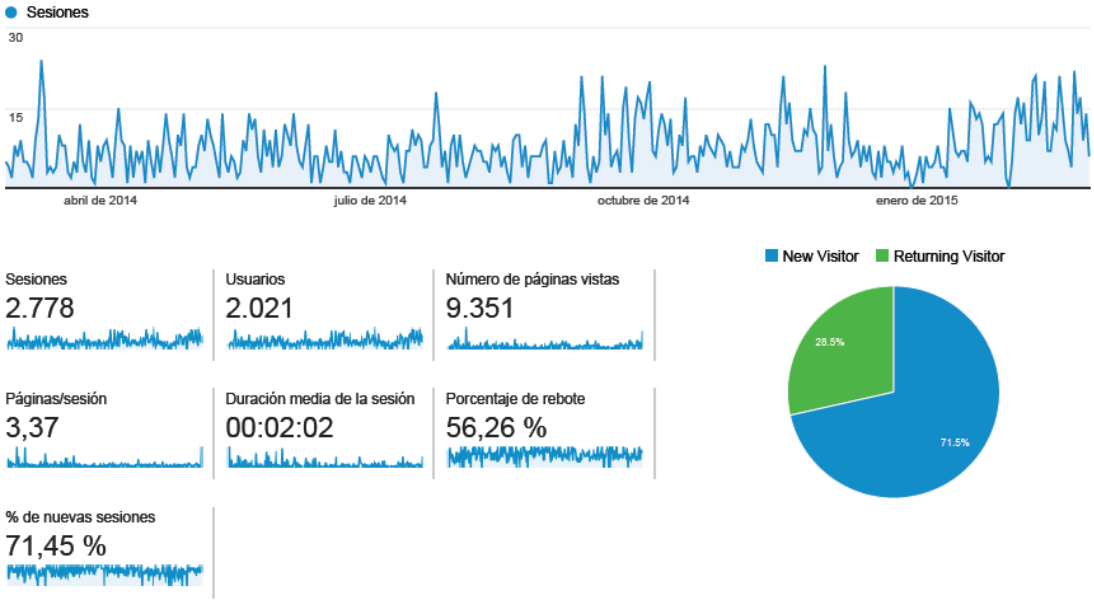
3.2.5.7 Task 5.5

Task 5.5: Tittle: Website launch & update rising (UPC)

A web site to promote and give information about the project developments has been launched in the first period and updated during the lifetime of the project.

Task 5.5 is in progress

See below the google analytics report of ENOFALLS website



3.2.5.8 Task 5.6

Task 5.6:Tittle: ICT forum for falls detection, intervention and security (UPC, CET)

E-NOFALLS have created the ICT forum in order to provide a common site where anybody interested in the ICT systems for fall prevention could find the most significant developments in the area coming either from research projects or already in the market. The interactivity of the site allows comparisons, analysis and recommendations.

E-NO FALLS host the common ICT forum on the ENO-FALLS website (linked to fallprevention.eu). The forum establish a “repository” of available ICT technologies for falls prevention or detection. This it features:

• Reviews. The reviews of a technical system are being guided according to a certain list of items that will be provided by the web portal.

• User-related experience. Someone who has some experience with the device and can provide the personal comments

• Questions. Someone interested in the device who wants to know more about specific aspects of it.

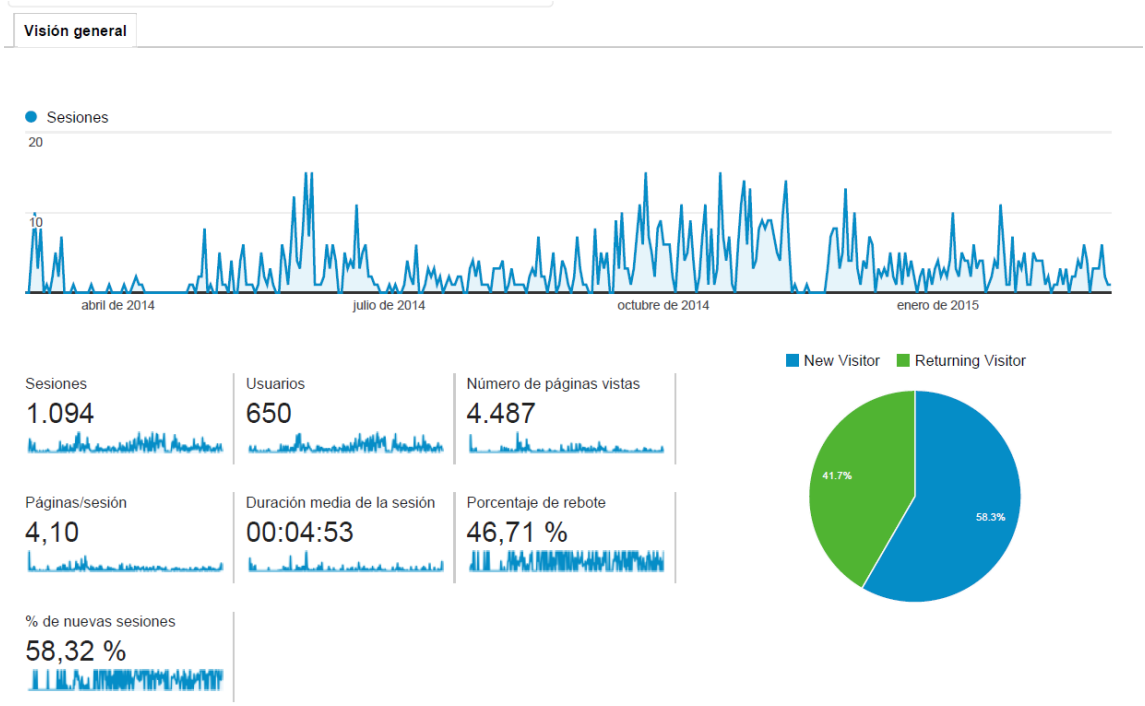
• The information can be provided by any person. At the beginning E-NOFALLS, PROFOUND, and EIPAHAA2 partners have provided the content of the forum.
Moderation of the information are necessary to have relevant and consistent information in the forum .E-NOFALLS are responsible for providing this moderation.
E-NOFALLS and PROFOUND have been collaborating in order to engage different companies and other coordinator projects to participate actively in the ICT forum.

In this task there are two milestones related to the functionality of the ICT forum (MS5 Forum online for internal use) in M15, and (MS6 forum online fully operative and worldwide accessible) in M21, that have been accomplished in due time.
39 devices has been upload in fall detection area
15 initiatives/systems has been upload in fall prevention area
The forum of all systems and devices has been active during the period

See below the website and google analytics report of ICT forum

Figure 2. E-NO FALLS ICT Repository main page

Figure 2. Google Analytics-ICT repository



3.2.5.9 Use of Resources

Details on the use of resources for each participant in WP5 are provided in the following sections.

Participant Number	Participant Name	Projected Person-Months	Actual Person-Months Used	Person-Months Remaining
1	UPC	22.50	21.10	1.40
12	CET	2.00	1.30	0.7
	Total	24.50	22.40	2.10

Table 10. WP5 Person-Months per participant

3.3 Deliverables and milestones tables

3.3.1 Deliverables

Del. no.	Deliverable name	WP no.	Lead participant	Nature	Dissemination level	Due delivery date from Annex I	Delivered Yes/No	Actual / Forecast delivery date	Comments
D1.1 (revised)	Inventory of best practices in communication and awareness	WP1	SN	Report	Public	M19	Yes	M19	
D1.3	Recommendations for enhancing partnerships and awareness raising	WP1	FORTH	Report	Public	M18	Yes	M23	
D2.1 (revised)	Inventory of socio-economic and clinical impact assessment methods	WP2	UL	Report	Public	M19	Yes	M19	
D2.2	Comparison of socio-economic and clinical impact assessment methods	WP2	COOSS	Report	Public	M13	Yes	M25	Delayed because of the D2.1 rejection
D3.2.1	Selection of Successful Cases and successful factors in public/private Procurement for ICT-based fall prevention and Intervention solutions	WP3	CET	Report	Public	M17	Yes	M21	Delayed due to deliverable leader change
D3.2.2	Success Factors to be applied in public/private Procurement for ICT-based fall prevention and Intervention solutions	WP3	CET	Report	Public	M24	Yes	M26	
D4.1	Inventory -best practices in sustainable business models	WP4	SIV	Report	Public	M13	Yes	M16	This document was delayed till month 1 feedback from the Project Coordinator.
D4.2.1	Standardisation and interoperability analysis	WP4	NEN	Report	Public	M19	Yes	M21	
D4.3.1	Market development Roadmap. Preliminary	WP4	FHP	Report	Public	M24	Yes	M24	
D4.4.1	Preliminary E-NO FALLS Business plan	WP4	SMH	Report	Public	M25	Yes	M25	
D5.3.2	Second annual progress and summary financial report	WP5	UPC	Report	Public	M25	Yes	M27	
D5.4	Communication and Dissemination Strategy	WP5	UPC	Report	Public	M15	Yes	M19	

Table 11. Deliverables for the M14-M25 period

3.3.2 Milestones

The following milestones scheduled for the second period

Milestone no.	Milestone name	Due achievement date from	Achieved Yes/No	Actual / Forecast achievement
ML1	Workshop on communication and awareness	M13	Yes	M14
ML2	Socio-economic and clinical impact assessment validation Workshop	M13	Yes	M14
ML3	Pre-Commercial Public/Private Procurement Workshop	M14	Yes	M18
ML5	Forum online for internal TNs use	M15	Yes	M15
ML6	Forum online fully operative	M21	Yes	M21

Table 12. Milestones for the M14-M25 period

4 Project Management

Management activities are formally concentrated and specified in WP5. This work package is not the only management activity in the project. Along all the WPs there exist management duties related with the regular tasks and scheduled activities. All the beneficiaries are involved in them with different degrees of responsibility (leaders of WP, responsible of task, deliverable editor, minutes edition responsible…).

The overall management structure of the project is well described in the DoW document (pages 65 to 70 of the Part B) and it is almost 100% operative. Figure 2 depicts the relationship between the main management bodies in the project.

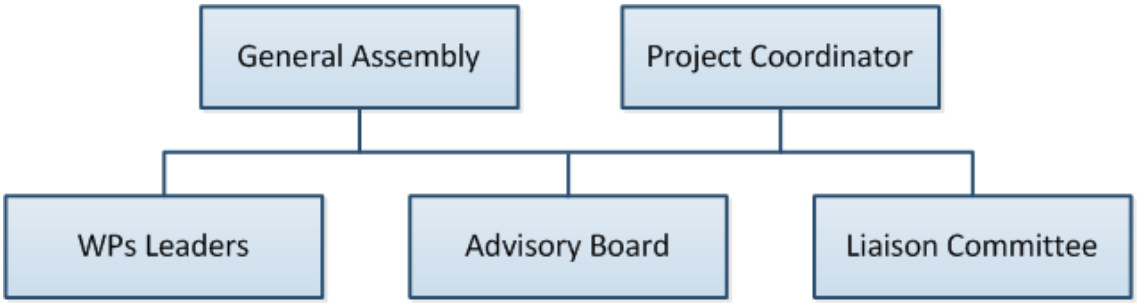


Figure 3. E-NO FALLS management organization diagram

It must be point out that the General Assembly (GA), as the decision-making body, is regularly organized and it is composed of one representative per partner. Meetings of the General Assembly are held every 12 months. The corresponding Agenda and final Minutes of the meetings are available to the consortium in the documentation repository of E-NO FALLS.

The formal management structure is completed with:

- The Advisory Board to be shared with PROFOUND Thematic Network. The Advisory Board will be an external body comprised of relevant stakeholders: MEMBERS To strengthen the credibility and external validity of PROFOUND and E-NOFALLS the management board of both networks will be aided by an Advisory Panel of independent experts.
A meeting with advisory board took place during the Falls Festival in Stuttgart (24-26th March 2015) with the addition of Nick Guldemond.

- The Liaison Committee to be co-chaired by the coordinators of E-NO FALLS and PROFOUND thematic networks and two representatives of each one. It will be complemented by WP leaders as necessary in a flexible composition. Its task will consist on safeguarding the agreed alignment, coordinating activities and promoting synergies and cooperation. The committee will meet periodically, either virtually or physically.
During this period have not been an specific meeting of the liaison committee, even though, the fluid communication and common work was a reality during the period, as an example, all members of the liaison committee worked together for the organization of the Falls Festival.

4.1 Meetings organized during the period

The following events have been organized during the period:

- General Assembly Meeting - Vilanova November 2014
- Kick-off meeting D4.2.2 Bucharest November 2014
-
- General Assembly Meeting - January 2015
- Periodic Conference Calls and meetings for WP 1, 2, 3, 4

4.1.1 Kick-off meeting D.4.2.2

This technical and scientific meeting was organized by SIV during the 3th of November 2014 and it was held in Bucharest (Romania). The main objective of the meeting was the definition of content and further steps of WP4-D4.2.2

•To advance in the discussion and clarification of different issues for a correct definition of the general expectations for WP4.
Result of D4.2.1/Object of D4.2.2

•To clarify requirements of Deliverable 4.2.2
Index proposal of D4.2.2
Recommendations for standardisation and interoperability (All)
•Partner assignment to sections and Time schedule for the generation of D4.2.2

Figure 4. E-NO FALLS KOM D4.2.2 Meeting

4.1.2 E-NOFALLS General Assembly Meeting - Vilanova November 2014

Project Review
- Status of the project
- Lessons learnt
- Financial report
- PO feedback

WP1
- WP status
- Lessons learnt
- WP Outcomes, analysis of D1.3 recommendations

WP3
- WP status
- Lessons learnt
- Result of D3.2.1/Object of D3.2.2
- Object of D3.3

Figure 5. E-NO FALLS General Assembly Vilanova i la Geltrú

4.1.3 E-NO FALLS General Assembly Meeting, January 2015

After declaring SIVECO ROMANIA SA (SIV) as a Defaulting Party (on 16th of January 2015) neither deliverables nor improvements have been submitted after this notification. As such breach is substantial and is not capable of remedy and to ensure the relevance of the project implementation, the Project Coordinator convene an extraordinary voting process of the General Assembly (composed of one legal representative from each partner) with the purpose to take the following decisions:

- To declare SIVECO ROMANIA SA to be a Defaulting Party
- Termination of SIVECO's participation in the Consortium (proposed date on which the termination shall take effect is 22th of January, 2015)

4.2 OTHER EVENTS

4.2.1 eHealth forum Athens, Greece, May 2014

E-NOFALLS were present in this relevant congress that attracted more than 1200 participants from 38 countries. During the eHealth Forum, ENOFALLS co- organized by USEFIL the session "Technology to support an Ageing Population - projects take the lead: USEFIL, E-NOFALLS and PROFOUND.

E-NOFALLS participate with the following issues:

- Technology for Monitoring and Preventing Falls in Older People

Fall Management: Raising Awareness & Enhancing Partnerships Mrs. Angelina Kouroubali, FORTH-ICS, GR & Mrs. Kalliopi Alpantaki, University of Crete, GR
State of the Art Technologies: Monitoring and Preventing Falls Showcase & Demonstrations

- Wrap-up of Discussion & Concluding Remarks Prof. Andreu Catala, UPC, ES with Carmel Dickinson from PROFOUND

Figure 6. eHealth Forum Athens

4.2.2 Be part meeting, Rome, October 2014

ENOFALLS was invited to participate in the following event.

16-17 of October 2014 EUNAAPA (**European Network for Action on Ageing and Physical Activity)** coordinated a successful meeting between EU networks and platforms on physical activity and ageing in Rome. Representatives of 10 EU networks and platforms in the field attended the Be Part meeting and were part of a lively discussion with EUNAAPA members of the Steering Committee and the International Advisory Board on developing a joint roadmap for future strategies to achieve coordination of activities on EU level.

4.2.3 Growing the silver economy, Brussels, September 2014

The European Commission organised the event 'Growing the Silver Economy in Europe' to discuss how to best grow a large scale Silver Economy in Europe. Large new public and consumer markets of ICT products and services for ageing well are developing. Our ageing populations are drivers of economic growth.

ENOFALLS coordinator and some partners were present during this event and contributed to the discussions.

4.2.4 Local Workshops

Two local workshops have been organized during the period:

4.2.4.1 First Local Workshop – Romania

This local workshop was organized in Bucharest (Romania) and hosted by SIV during the 25th April, 2014. The aim of this local workshop was to integrate and bring together knowledge, experiences and best practices acquired at local level in the area of fall prevention, intervention and safety. Also, to disseminate of E NO FALLS project results and detect how to help ICT based fall prevention and intervention solutions to reach the market

The main conclusions achieved during the local workshop were:

- In Romania, ICT-based fall prevention and effective intervention solutions for elderly people are missing, but are many eHealth projects implemented in Romania with concrete results in the field of and that can be customized to meet E-NO FALLS problematic. The experience accumulated in these projects can be used.
- The Market of fall prevention and effective intervention solutions is growing in Romania and making the necessary of ICT solutions in this area.
- Developing ICT-based fall prevention and effective intervention solutions for elderly people can be based on National or European funding programs, for example HORIZON 2020 and must be followed by each participants to propose projects in this area.
- Also all participants will participate to Dissemination of E-NO FALLS project results.

Figure 7. Local Workshop in Romania

4.2.4.2 Public Procurement as main driver of ICT Innovation Solutions on the Health sector, Girona

This local workshop was organized in Girona (Spain) and hosted by TICS during the 5th June, 2014. It was organized as one of the seminars of the Health and Wellbeing Innovation Congress.

The main objective of the workshop was to exchange information regarding the Pre-Commercial Public Procurement of ICT solutions on the health sector, which can be applied to ICT -based fall prevention and effective intervention solutions for elderly people. The workshop was addressed to actors interested in the Public Procurement process as driver of R&D and innovation of goods and/or services of the ICT solutions on the health sector, especially those related with the fall prevention and detection.

The main conclusions achieved during the local workshop were:

- The pre-commercial procurement (PCP) model involves parallel development of several ideas, from which one will eventually be selected for commercial procurement. The PCP model is particularly targeted for radical innovations arising from the interactive and iterative design process.

- The ownership of Intellectual Property Rights (IPR) must be properly considered. In the DECIPHER PCP project, the ownership rights of IPRs generated by the companies during the PCP contract are assigned to those companies. Thus, a free license to use the R&D results (i.e., prototypes) is assigned to the public purchaser.

- PCP process is not intended to subsidize innovative projects. On the contrary, PCP process is intended to co-finance innovative projects. In this way, PCP enables procurers to share the risks and benefits of undertaking new developments with the companies participating in the PCP.

- Legal and regulatory issues are one of the main acknowledged obstacles on using PCP in Europe. PCP process is not integrated within the legal framework, particularly in the matter of process of tender review used to award public contracts.

- However, PCP is still not a favoured tool for procurement amongst public procurers, especially in Europe: the European public procurers have opted for relatively low-risk, adaptive projects which fulfilled their immediate needs.

Figure 8. Andreu Català (UPC) during the local workshop in Spain

4.3 E-NO FALLS relation with EIP AHA Action Group 2

The Thematic Network made a commitment to the European Innovation Partnership on Active and Healthy Ageing Action Group 2 (Personalized health management, starting with a Falls Prevention Initiative) in the second call. The commitment was approved and E-NO FALLS became an active member of the Partnership.

Several meetings of the Action Group 2 have been attended during the period

- 3rd CONFERENCE OF PARTNERS, Brussels, December 2014
- Brussels, June 2014 Partners meeting

As responsible of a thematic network, UPC was designed as coordinator of the Action Area 4 of the Action Group 2 since 2013.

4.4 Project Planning and Status

As it has been discussed in the precedent sections above, the project planning is running quite on time with minor deviations, as it was already explained case by case when the evolution of the work in every individual WP has been presented.
The delays in some deliverables have not been significant for the whole evolution of the project.

We can consider the following:

- All the WPs started on time as it was scheduled in the DoW, with main objectives reached in satisfactory way.

- Main activities of the Project are active now:
  - WP1: is finished.
  - WP2: is active with some delay in task 2.3
  - WP3: is active
  - WP4: is running on time
  - WP5: is completely on time

4.5 Dissemination Activities

The table below shows the dissemination activities carried out during the second period.

Name of the event	Date of the event	Place of the event	Target Audience	Size of Audience	Partners Involved
First International Workshop	12th-13th March 2014	Vilanova i la Geltrú (Spain)	Health care institutions, researchers, industry		ENF, PFN, EIP
First Local Workshop - Romania	25th April 2014	Bucharest (Romania)	Clinicians		SIV
Health and Wellbeing Innovation	5th June 2014	Girona (Spain)	Regional health care institutions, researchers, regional policy makers	8	TICS, UPC
AAL-2013-6-126 StayActive Project Kick Off Meeting	12th May 2014	Mataro (Spain)	Health care institutions, researchers, industry	15	AAIF
The 3rd Intl. Event on AgeingWell at the E-Health Forum	14th May 2014	Athens (Greece)	Health care institutions, researchers, industry	70	AAIF
eHealth Forum 2014	12th-14th May 2014	Athens (Greece)	Clinicians, researchers, engineers, computer scientists, physiotherapists, policy makers, health providers, etc.	300	FORTH, UPC
AAL-2012-5-245 CarerSupport Project Kick Off Meeting	15th May 2014	Rimini (Italy)	Health care institutions, researchers, industry	13	AAIF
Pervasive Health 2014	19th May 2014	Oldenburg, Germany			FHP
INNOVAGE Steering Committee	26th May 2014	Marche Region, Ancona, IT	Experts from different sectors (P.A., industrial partners, end-users)	50	COOSS
IEEE BHI 2014	31th May 2014	Valencia, Spain			FHP
INNOVATTORI	05th June-7th June 2014	Civitanova, IT	Universities and research centers, SMEs, P.A. end users, clinicians	5.000 /10.000	COOSS
pHealth 2014	11TH June 2014	Vienna, Austria			FHP
IEEE MeMeA 2014	12th June 2014	Lisbon, Portugal			FHP
Screening instruments fall prevention	17th June 2014	Apeldoorn (the Netherlands)	Physical therapists and occupational therapists	40	McRoberts
Information Day on Falls prevention for the Elderly	7th July 2014	Zaros, Crete, Greece	Clinicians, researchers, engineers, computer scientists, physiotherapists, end-users (elderly), informal carers, etc.	100	FORTH
British Geriatrics Society - 15th International Falls and Postural Stability Conference	8th September 2014	Manchester (United Kingdom)	Clinicians, researchers, engineers, computer scientists,	100	FORTH

			physiotherapists, etc		
3rd meeting of the Greek eHealth ecosystem	30th September 2014	Athens, Greece	Health practitioners, nurses, pharmacists, administrative and IT personnel, patient associations, research bodies, and business partners	100	FORTH
EU Marketplace for eHealth & EIP on AH	22th September 2014	Brussels (Belgium)	International health care institutions, researchers, industry, European Institutions	200	UPC
AAL Forum 2014	10th September 2014	Bucharest (Romania)	International stakeholders, health and ICT professionals, EU projects, EU representatives	100	AAIF
1st October: International Day of Older Persons Letter written on behalf of WIISEL Project, where E-NO FALLS is mentioned. Sent to around 300 consortium contacts; EIP AHA A2, ProFounD, E-NO FALLS	1srt October 2014				CETEMMSA
Be Part Meeting	16th-17th October 2014	Rome (Italy)	International health care institutions, researchers, industry, European Institutions	15	UPC
Kick-off meeting D4.2.2	3rd November 2014	Bucharest (Romania)	Consortium partners	8	SIV, AAIF, FHP, UPC, McR, NFT, NEN
ICT Proposers' Day	09th-10th November 2014	Firenze, IT	Universities and research centers, SMEs, P.A. end users, clinicians H2020 applicants and reviewers	2000	COOSS
1st National Congress on Big Data and Wearables for Health	18th November 2014	Madrid (Spain)	Individual visits at booth (private companies, universities, research centres		CETEMMSA
AGES 2.0 Final Conference	21th November 2014	Ancona, IT	Universities and research centers, SMEs, P.A. end users, clinicians H2020 applicants and reviewers	200	COOSS
Second General Assembly Meeting	27th-28th November 2014	Vilanova i la Geltrú (Spain)	Consortium partners		All ENF Partners
Dissemination of E-NO FALLS Project - COOSS web site	November 2014		Regional Health Care institutions		COOSS
iStoppFalls Symposium	23th-26th October 2014	Cologne (Germany)	Falls prevention experts	50	FHP
3rd Conference of partners of EIP-AHA	1rst-2nd December 2014	Brussels (Belgium)	Clinicians, researchers, engineers, computer scientists, physiotherapists, policy makers, health providers	300	UPC, FORTH, FHP
1° Convegno Nazionale Smart Living	4th December	Ancona, IT	Universities and research	100	

Technologies	2014		centers, SMEs, P.A. end users, clinicians		COOSS
Falls Prevention Meeting	19th January 2015	Manorhamilton Day Hospital	Health Service Executive Regional Managers	5	ERL
Dissemination to the Greek key stakeholders	February 2015	Greece	Clinicians, researchers, engineers, computer scientists, physiotherapists, policy makers, health providers, etc	50	FORTH
European summit on Innovation for Active and Healthy Ageing	March 2015	Brussels (Belgium)	Health care institutions, researchers, industry	500	All ENF Partners
Active Ageing Going Local (AGL)	6th March 2015	Ancona, IT	P.A., Care Providers, SMEs, end users	50	COOSS
Mobile World Congress, Barcelona	3th -6th March 2015	Barcelona (Spain)	Booth visitors (private companies, research centres		CETEMMSA
Contact to a nursing home due to the online-survey and I am going to analyze 300 protocols of falls of their residents which will be hopefully a publication afterwards					CHA
Dissemination on AAIF's website at http://www.brainaging.ro/ro/proiecte-2/	January 2013 - in present	International	International visitors	≈6000 / year	AAIF

Table 13. Dissemination Activities carried out during the period

1st October: International Day of Older Persons

Falls, and the injuries they cause, are not an inevitable part of ageing. There are many things that we can do, along with older people, to prevent falls. With this aim, CETEMMSA is working with the **European Innovation Partnership on Active and Healthy Ageing, Action on Falls Prevention**, and is a member of the **E-NO FALLS* Network**, to introduce best practice in falls prevention and make available simple interventions to help prevent falls amongst older people. **CETEMMSA coordinates the European funded project WIISEL***, developing an insole system that collects and analyzes gait data from elderly and correlate parameters related with the risk of falls.

Experts from across Europe argue they shouldn't be seen as a unavoidable consequence of ageing. Research shows that there are plenty of things people can do to prevent falls escalating with age. **Today, on International Day of Older Persons, CETEMMSA wants to raise awareness among older people, their relatives and organisations working with older people that falls can be predicted and prevented.**

More information at:

www.cetemmsa.com and www.wiisel.eu Wireless Insole for Independent & Safe elderly Living.

https://webgate.ec.europa.eu/eipaha/ and http://ec.europa.eu/health/ageing/innovation/.
The European Innovation Partnership on Active and Healthy Ageing (EIP-AHA) aims to increase the healthy lifespan of EU citizens by 2 years on average by 2020. It is aiming for a triple win: a better quality of life, more sustainable systems for health and social care, and innovation, jobs and economic growth. The EIP-AHA Action on Falls Prevention is made up of more than 70 organisations from all over the EU representing citizens, older people, patients and others interested in the field. The plan is to identify best practice and support the introduction of evidence based operational programmes for prevention of falls, early identification and minimisation of risk and good clinical management of people who fall. The EIP-AHA on Falls Prevention is supported by two EC funded networks: www.profound.eu.com ProFouND*: The Prevention of Falls Network for Dissemination, and www.e-nofalls.eu E-NO FALLS*: European Network fOr FALL Prevention, Intervention & Security.

http://www.who.int/ageing/events/idop_rationale/en/ International Day of Older Persons On 14.12.1990, the UN General Assembly made October 1 the International Day of Older Persons.

CETEMMSA TECHNOLOGICAL CENTRE
E-NO FALLS
WIISEL
europa.eu
European Union
ProFouND
Prevention of Falls Network for Dissemination

*Projects co-funded by the European Commission

Figure 10. Letter 1st October: International Day of Older Persons

5 Updating of Risk Management

5.1 Introduction

The objective of the present section is to update the risk management for E-NO FALLS project,

In fact, it must be established that Quality and Risk Management frame and main issues were define in the deliverable D5.1 (E-NO FALLS Handbook and Quality and Risk Management Plan). Sections 7 and 8 of this document define the main concepts related with Quality and Quality Management. Related roles of main responsible are also considered.

Some definitions about risk are introduced in section 8. These are followed by general considerations on Risk Management process (assessment, identification, indicators, handling and monitoring).

5.2 Updating process of the risk analysis in E-NO FALLS

We will focus the attention on three areas with a risk appearance possibility:

- **Questionnaires development and distribution.** Questionnaires are organized according to different target groups. When necessary, ethics approval have been obtained. Related risks must be considered.
- **Technological aspects.** Mainly related with the development of the project website and the ICT forum for falls prevention, intervention and security.
- **Communication and dissemination activities.**

The following sections will include the updating of risk analysis and management for the main areas identified above.

5.3 Risk Identification and Contingency Strategies

This section will concentrate on the risks derived from the status of the project execution for the period M14-M25. Mitigation strategies for the main risks/threats that might take place in the WPs are presented in the table below:

Risk Number	Identification	Impact	Probability of Occurrence	Mitigation Strategy	Effect on the project execution
1	Questionnaires developed are not completely satisfactory	High	Low	Guidance from experts of the network . Experience from the previous period.	This would affect information acquisition from stakeholders groups.
2	Questionnaire Distribution are not appropriated	High	Low	Questionnaires have been distributed taken into account the nature of each stakeholder group, the availability of resources and time constraints. Contact by telephone, mail, etc Focalize in experts	Lack of acquired valid results from stakeholders groups and wasted time. Less an representatively of respondents in own surveys
3	Website is not available to update content	Moderate	Low	The Website is being produced by WP5. WP5 is supported by UPC, a large University that has the capacity and manpower to produce a quality website, however many other partners in the consortium can take this role if necessary.	Some delay could be experienced on using the project's website.
4	Not intuitive website	Moderate	Low	Already revised	Low impact on disseminating guidelines and toolkits.
5	Fail to develop common approaches and indicators for measurements of socio-economic impact	Moderate	Low	All the most important methodologies an assessment criteria has been analyzed and supported by the opinion of a wide number of experts.	Delivered inventory and comparison of the different socioeconomic and clinical impact assessment methods
6	Guidelines and toolkits ineffective	Low	Low	A deep analyse of the different areas of the project has been done in the second period in order to structure the back bound of the futures. Communication and awareness guidelines are already set.	Low impact in European policies
7	Failing to act as a group to influence policy by contributing to the implementation of an innovative European fall prevention, intervention and safety initiative	Medium	Medium	Encourage the activity and dissemination of the whole partners of the network in European national an regional events related to the active and healthy ageing.	Low impact in European policies
10	Low level of participation in the annual thematic	Low	Low	Low level of commitment to the activities of the network , specially workshops and assemblies are answered by a	This would affect the exchange of good practices among organizations and awareness actions among

Risk Number	Identification	Impact	Probability of Occurrence	Mitigation Strategy	Effect on the project execution
	workshops			dialogue and warnings and declaration of defaulting partner in extreme cases for the members of the network. Joining efforts with other thematic networks in others to engage as much stakeholders as possible. Plan the workshop as a part of bigger events like e-health forums.	authorities, businesses and end-users
11	Low level of activity in the ICT forum repository for falls detection, intervention and security	Moderate	Medium	To appoint a group of moderators to encourage the participation of the different stakeholders in the ICT forum. The information can be provided by any person.	Lack of valid contents about ICT based technologies for falls

Table 9. E-NO FALLS Risks and Contingencies Strategies

6. Amendment due to the Termination of the participation of SIVECO

The purpose of this report is to describe and justify the termination of the participation of SIVECO ROMANIA SA (SIV – partner nº 15), including the proposed date on which the termination shall take effect, and the consortium's proposal for reallocation of the tasks and budget of this beneficiary

Breach Identification

The main reasons were

- Do not act as a WP leader (low level of work organization, low level of interaction with task leaders, null interaction with other WP leaders, null initiative) Poor quality of work delivered in the corresponding deliverables.

General Assembly Meeting

As such breach was substantial and was not capable of remedy and to ensure the relevance of the project implementation, on the January 21th 2015, the Project Coordinator convened an extraordinary voting process of the General Assembly (composed of one legal representative from each partner) with the purpose to take following decisions:

- To declare SIVECO ROMANIA SA to be a Defaulting Party
- Termination of SIVECO's participation in the Consortium (proposed date on which the termination shall take effect is 22th of January, 2015)

Voting Criteria and Procedure

According to the Annex I Part B of the Document of Work (Section B.3.3 Project Management) and Consortium Agreement (Article 6.2.5 Voting and quorum) the criteria and procedure of the voting process are the following:

- The above decisions will be approved upon simple majority.
- The voting process is organized by email, each partner must send an email to the Project Coordinator including its vote (yes/no)
- The GA is composed of one legal representative per partner, each having one vote for decision making.
- In case of equality of votes, the Project Coordinator shall have the casting vote.
- The minimum percentage for a valid GA meeting is 2/3 of its members in the consortium (12 partners).
- The voting process last from the 21th of January 2015 until the 30th of January 2015.

Results

On the 30th of January 2015, the Project Coordinator, following the procedure given in Article 6.2.5 of the Consortium Agreement, recorded the votes of the representative Members of the consortium .Of a total of 18 partners with right to vote, the results in the General Assembly were as follows:

- 13 positive votes in favour of declaring SIVECO as a defaulting partner and of terminating its participation in the Consortium.
- 3 invalid votes sent after the deadline or sent by not explicitly authorized person
- 2 abstaining votes

Subsequently, the General Assembly decided by absolute majority to vote in favour of declaring SIVECO as a defaulting partner and of terminating its participation in the Consortium

Table 15. Person-month transfers among beneficiaries

Deliverable Number	Deliverable Title	Lead participant	SIV projected PM	SIV Accepted PM	SIV Remaining PM
D3.1	Inventory of good practices in a White Paper	FHP	2	1.99	0.01
D3.2.1	Potential cases for public/private pre-commercial procurement. Preliminary	COOSS	1	0.5	0.5
D3.2.2	Potential cases for public/private pre-commercial procurement. Final	COOSS	1	0	1
D4.1	Inventory-best practices in sustainable business models	SIV	4	3.94	0.06
D4.2.1	Standardisation and interoperability analysis	NEN	1.5	0.5	1
D4.2.2	Recommendations for standardisation and interoperability	NEN	1.5	0.07	1.43
D4.3.1	Market development Roadmap. Preliminary	FHP	1	0.3	0.7
D4.3.2	Market development Roadmap. Final	FHP	0.5	0	0.5
		Total	12.5	7.3	5.2

The remaining 5.2 PM from SIV will be reallocated as detailed in the following table. It is necessary to take into account that these PM are calculated according the person-months costs of SIV. In addition, the following table also shows a first proposal of distribution of the related resources and tasks.

Participant Number	Participant Name	Projected SIV Person-Month	Distribution of efforts related to deliverables
2	FHP	0.44	D4.3.1 + D4.3.2
4	COOSS	0.44	D3.2.1 + D3.2.2
5	SmH	1.68	WP4 leader
6	NFT	0.44	D4.2.1 + D4.2.2
9	TICS	0.44	D3.2.1 + D3.2.2
12	CET	0.44	D3.2.1 + D3.2.2

Other Amendment Requests

- CETEMMSA new leader of the deliverables D3.2.1 and D3.2.
- Modification of delivery dates:
  - Deliverable 3.2.2 from month 24 to month 25
  - Deliverable 2.3 from month 24 to month 27
- WP3-Task 3.2 description. PPI replaced by PCP