DELIVERABLE

Project Acronym:	EnergyTIC
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Project Title:	Technology, Information and Communication services for engaging social housing residents in energy and water efficiency

WP1: Technical and financial report
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DISSEMINATION LEVEL:

PU	Public	
PP	Restricted to other programme participants (including the Commission Services)	X
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 AND STATEMENT OF ORIGINALITY

Revision	Date	Author	Organization	Description
1.00	28/06/2012	Ana Cabello Rafael Abad Nathalie Pilat Tashweka Anderson Antonio Garcia del Olmo Marwan Fatuhi Francisco Ruiz Jesus Biscarri Sylvie Dekyndt Sabine Lippens Clement Depauw Daniel Morales Marta Romero Jean-Luc Malaval	CITIC HABITEC HTC AB CSTV DETEA EMASA ENDESA PARTENORD PAS DE CALAIS USH WINDINERTIA EPSA NKE	Creation of an ad-hoc document for the D1.2 (previously the Progress Report was considered as the D1.2) according to the recommendations given by the Commission as result of the Project review. Every WPL has participated into the information related to his/her WP. Every beneficiary has participated into the Financial information related to his/her company.
1.01	21/02/2013	Ana Cabello	CITIC	New version according to the Result of the 2nd review of the CIP/ICT-PSP project EnergyTIC (no 270947). More information has been added: paragraphs 2.4, 2.5 and 3. Fixed the printing error into the CITIC personnel costs. Into the Assessment of deliverables table (ANNEX I to the review report) is said that PM for some partners and tasks remain overestimated

				according with technical description and obtained results during RP1, those PM have not been changed because those figures have been the ones declared into the Financial report for RP1 although some of them haven't been approved by the Commission.

Statement of originality

This deliverable contains original unpublished work except where clearly indicated otherwise. Acknowledgement of previously published material and of the work of others has been made through appropriate citation, quotation or both.

Contents

1 Project objectives for the period

This section described an overview of the project objectives for the reporting period 1 Work Package per Work Package.

1.1 WP 1 Project Management

The objectives of this WP are:

- To manage and control the project resources (personnel, finance, equipment, etc.);
- To monitor and control the financial and administrative procedures of the project;
- To operatively support communication between the Consortium (Steering Committee) and the European Commission;
- To check the consistency between the project results and the objectives stated in the proposal;
- To perform Quality Management;
- To sustain and facilitate Internal Communication;
- To provide assistance and support to the Steering Committee.
- To perform risk management

All this objectives has been treated and achieved for this reporting period except the risk management performance. There is a Risk Plan included in the DOW [1] but our idea is to improve it. The Quality Management Plan (D1.1) establishes that the Project Coordinator will coordinate the elaboration and monitoring of a Global Risk Plan asking for to generate a partial risk plan for each work package to the WPLs. Therefore this objective will be managed in the next reporting period.

1.2 WP 2 French cluster

Work package 2 was planned to start in project month 1.

The WP leader started developing and coordinating the French cluster:

- To capture, systematise and document for design the requirements of each French user group,
- To draw up cases for water and energy awareness and management,
- To adapt and implement the dynamic user interface and interactivity service process model for water and energy savings,
- To maintain the operation of systems and services throughout the pilot and set up and provide help services to pilot users,
- To carry out the baseline data collection for the evaluation.

Objectives for WP2 in RP1 were to:

- Investigate and identify requirements prevalent among key subgroups of users,
- Create groups (control and test)

- Product a set of appropriate use cases
- Gather evaluation baseline data
- Disseminate French cluster good practices

This work will lead to the publishing of D2.1 (Report on pilot baseline) and D2.2 (Description of the prototype).

1.3 WP 3 Spanish cluster

WP3 objectives having works plan in RP1 are the following ones:

- Selection of the representative sample of users in social housing, identification of what would be their requirements and definition of service to be provided.
- Information chain implementation: data capture from energy and water data bases, data adaptation &Statistics calculations, information transport up to the user digital TV (*and devices like pc and smartphone with internet access*)
- Design and verification of neighbourhood ICT solutions adapted to the reality of social housing in Spain.

All these objectives has been worked and an adequate progress has been achieved during this P1 reporting period. All them will still having works done in P2 reporting period. Delivery D3.1 “Description of the prototype” has been released in P1, and Delivery D3.2 “Description of the service solution has started to be prepared in P1.

1.4 WP 4 Quantitative Assessment

WP4 objectives having works plan in RP1 are the following ones:

- Identify from each solution from each pilot, the technical advantages.

- This objective has been worked and an adequate progress has been achieved during this P1 reporting period. It will still having works done beyond P1 reporting period. Works have driven to delivery D4.1 “Measurement methodology report” to be released in M9, but planning slack perfectly allows this sifting.

1.5 WP 5 User Experience

The objective of this work package – User Experience – is to support the consortium in engaging end-users who will participate in the pilots across the two countries. The activities of this work package will be closely integrated with the other work packages. We envision a collaborative, global-local, online-off-line approach to user engagement and evaluation where Anderson Brown designs the ‘global’ or project-level user experience strategy and is responsible for key activities but leaves room for adaptation by the pilot leaders to accommodate conditions at the local level. We also envision a situation where the pilot leaders work closely with residents and social housing

staff and others at the local level around engagement on a day-to-day basis with online engagement and user support using social media managed by Anderson Brown. The review of evidence, baseline user survey, interim report and final reports will also be completed as part of this work package to help us understand user behaviour.

The objectives of this work package for reporting period 1 were to complete:

1. The user experience recommendations report (D5.1; Task 5.2)
2. The user behaviour profile baseline survey report for France (D5.2, Task 5.3)

1.6 WP 6 Overall evaluation & best practices

Work package 6 was planned to start in project month 1. The WP leader started developing the evaluation planning for pilot sites. The experiences of the eSESH project advice to start the conceptual evaluation work at an early stage of the project because the pilot sites have to make decisions concerning their specific evaluation planning. For that the evaluation planning should give support and guidance and will be used in order to clarify and systematise all different evaluation approaches.

Objectives for WP6 were to set criteria and work on the methodology for pilot evaluation including instruments and analysis.

This work leads to the writing of D6.1.

1.7 WP 7 Dissemination

Dissemination objectives were:

- to prepare material to support external dissemination
- to inform the wider public and policy makers about the project
- to establish and maintain an attractive and informative web presence for the project

Work in work package 7 started in month 1 of the project and will continue to be active over the whole project duration.

2 Technical Report

In order to explain the technical activities developed during the Reporting Period 1, this section is spitted into three ones: the Work performed since the beginning of the project, according to this, the Main results achieved and the deliverables developed and the milestones achieved.

2.1 Work performed since the beginning of the project

This section described the work progress done for the reporting period 1 Work Package per Work Package.

Reporting period P1 has been executed along the following months: from M1=March 2011 to M3= May 2011 and from M4=December 2011 to M7=March 2012.

2.1.1 WP 1 Project Management

Chronologically the work performed during this reporting period are described hereafter:

Signature of the Grant Agreement with the EC was on 10/03/2011.

Kick-off meeting was held on April 8, 2011. Project Coordinator delivered a Project introduction with the project context, partners, objectives and expected results. And then every Work Package Leader delivered a Work Package presentation.

Some problems raised into the Consortium mainly due to disagreements with the way Project Coordinator managed the Project start up. For this reason on May 4, 2011, it was held the first meeting of the Steering Committee with the Project Officer. Alejandro Varas was there to represent CITIC. In the meeting was presented the project situation and the Project Officer gave the basis to begin to prepare an Amendment.

On 10/05/2011 COROGEN (first Project Coordinator) sent to the Project Officer a letter by e-mail with a Request for Amendment No.1 to Grant Agreement No. [2701947] – Project title "[EnergyTIC]" – where was requested on behalf of the Consortium to modify the grant agreement in:

- Change of coordinator. COROGEN had many problems regarding project management, so that Steering Committee on behalf of the Consortium requested that COROGEN step down as Coordinator. COROGEN had previously communicated by themselves to the EC its step down as coordinator and its leave from the project. COROGEN didn't assume the role of coordinator of the Project and CITIC assumed this role.
- Withdraw of beneficiaries: COROGEN SPRL, EVIN Technologies and CONSEJERIA DE OBRAS PUBLICACAS Y VIVIENDAS DE ANDALUCIA.
- Addition of two new beneficiaries: EMPRESA PÚBLICA DE SUELO DE ANDALUCIA and NKE S.A.

- Modification of start date to1/03/2011.
- Modification of Annex I – Description of Work.

On May 17, 2011, Alejandro Varas (as project representative) attended a meeting at the headquarters of the European Commission with the Project Officer and the head of the unit of the European Commission to raise the project situation and find a satisfactory solution for all.

CITIC coordinated with the French cluster finding a suitable solution to replace COROGEN and EVIN, who left the project. Also, it was managed the change in the Spanish cluster of COPV to EPSA.

On May 25, 2011, it was received the official letter that informed about the Suspension of the EnergyTIC project and also it was given as deadline for reviewing the Description of Work the 27 June 2011.

The consortium prepared the changes in the DoW [1] as it was asked. On June 16, 2011, it was sent to the Project Officer the new version of the documentation, including budgets and reports. The Project Officer made several suggestions to modify the documentation to approve the Amendment.

A day before the final deadline given, CITIC received an email from the Project Officer modifying the contribution of the European Commission for the project. It also removed the obligation to seek a third cluster for the project.

On June 28, 2011, CITIC introduced all the information on the NEF platform: technical changes, planning, deliverables and budget beneficiaries.

New budget and technical documentation changes from Project Officer were received on June 29, 2011. On July 5, 2011, all the documentation was sent again to the EC.

Others changes were asked by the Commission and finally on September 7 all the changes were finished and it was notified to the Commission.

On November 24, 2011, it was received from the EC a suspension lifting letter that informed that the Commission agreed to modify the Gran Agreement as follows:

- Change of Coordinator from COROGEN to CITIC
- Removal of one beneficiary due to their non-accession to the grant agreement: CONSEJERIA DE OBRAS PÚBLICAS Y VIVIENDA-JUNTA DE ANDALUCIA
- Termination of beneficiaries' participation: COROGEN SPRL and EVIN Technologies
- Modification of start date to 01 March 2011
- Modification of reporting periods:

- P1: from month M1 to month M7
- P2: from month M8 to month M13.
- P3: from month M14 to month M24.
- P4: from month M25 to month M36.

- Change of community financial contribution: decreased by EUR 742.632 being the maximum financial contribution EUR 1.897.361
- Addition of two new beneficiaries: EMPRESA PÚBLICA DEL SUELO DE ANDALUCIA (EPSA) and NKE SA (NKE)
- Modification of Annex I – Description of Work

On December 2, 2011, it was held a Steering Committee audio-meeting to check project state and the next steps to follow.

On January 18, 2012, it was held a Steering Committee audio-meeting to check project state, to decide the EnergyTIC logo between the ones proposed and the next steps to follow. In this meeting Alejandro Varas informed to the Steering Committee members that Ana Cabello was going to be requested to the EC as new Project Coordinator.

On January 19, 2012, due to CITIC internal reasons a request for change of Project Coordinator person was asked: from Mr. Alejandro Varas Gálvez to Mrs. Ana Cabello Domínguez. On January 27, a letter asking for that was sent to the Project Officer office.

Officially Mrs. Ana Cabello Domínguez became EnergyTIC Project Coordinator from February 8, 2012.

On March 2, 2012, CITIC sent a first e-mail, asking for all the documentation needed for the Justification of the Reporting Period 1.

On March 6, 2012, it was held a Steering Committee audio-meeting to check project state and the next steps to follow. In this meeting the Quality Management Plan was presented by CITIC and approved by all the Steering Committee members. Also a date and venue for the first General Assembly meeting was agreed: 4th of April, 2012 in Malaga, in the HABITEC premises.

All EnergyTIC partners were invited to the General Assembly meeting. The agenda was distributed to the Consortium once it was approved by the Steering Committee members.

General Assembly was held successfully on April 4, 2012. Project Coordinator delivered a Project introduction with the WP1 objectives, the work done per tasks, the deliverables performed, the project status and a summary of the Decisions taken at Steering Committee level. And then every Work Package Leader or representative delivered a Work Package state presentation.

2.1.2 WP 2 French cluster

In the following section it is explained the works done during the Reporting Period 1 under each task described in the document “Description of Work” inside Work Package 2.

Task 2.1 “French Cluster coordination and reporting to cluster leader” (M1 – M36) lead by HTC

HTC, as French coordinator, coordinated activities of WP2.

French cluster bi-weekly conference calls were conducted to ensure smooth operation of the project and to closely monitor its progress (7 conference calls between M3 and M7).

Technical meetings were also conducted with SHOs, coordinator, technical partners and subcontractors (4 physical/telephone conferences from M1 to M7).

The main objectives of T2.1 are to ensure a smooth operation of the French cluster and a regular monitoring of the progress. In more detail, objectives are:

- to ensure smooth operation of all the WP2 tasks
- to comply with provisions of the Contract and Consortium Agreement in respect of reporting including financial reporting
- to set up internal communications and ensure timely organisation and performance of WP2 meetings
- to perform planning and internal progress control
- to ensure project activities and service content conform to ethics and data protection principles
- to ensure project work achieves the highest quality measured against defined objectives.

French cluster members were supported by means of a dedicated helpdesk with direct response or redirection of queries linked to all administrative issues toward the project coordinator CITIC.

At the time of writing this report not all partners have submitted their financial statements. This is mainly due to the fact that several partners are new to European Funding programs like the CIP ICT PSP program and not yet sufficiently familiar with the rules and procedures. The missing financial statements will be forwarded to the European Commission immediately after arrival at the coordinator. It can be expected that these delays will be reduced significantly for the next reporting period since familiarization levels of partners will have increased.

Task 2.2 “User requirement” (M3 – M5) lead by PDCH

Literature and partner data on user requirements have been reviewed for completeness and synthesized to support service design. The approach was to identify requirements prevalent among key subgroups of users:

- Non-functional user requirements,
- Service-related requirements
- Analysis of legal and regulatory environment

Research into tenant energy behaviour, attitudes and information requirements is essential for selecting options in respect of service components, their design and EnergyTIC Service specifications.

The understanding of the concept of usability of the computer systems is at the heart of our user requirement task in order to support the definition of what is needed and what would be the more appropriate to communicate consumption and establish interactive capabilities for end-users. In the end of our project development that will be end-users who use and/or promote EnergyTIC systems that will be implemented and made available to them.

The WP2 (French cluster) approach aims to provide necessary methodological elements to design the software interface, to identify the equipment already in operation in social housing and to refer to studies already undertaken in this field.

This hardware and software study is a logical state of the theoretical concepts that form the architecture of technical environments and software applications.

Information on requirements for French pilots EnergyTIC services were collated and reviewed. These results will be published in D2.2 deliverable.

T2.3 “Group creation” (M3 – M5) lead by HTC

User groups included social housing tenants, housing staff and energy service staff. Samples of users were drawn and requirements investigated using different techniques like forms of interviewing or the use of focus groups. These have been organised in each pilot site with social housing tenants and where applicable with housing staff and/or energy service staff.

Pas-de-Calais Habitat

The designation of the experimental sites requires the choice of five territories where take place the activities of PDCH housing. The operation of buildings will be later technically defined, for each building, at the moment of software solution installation. Also, PDCH identify a theoretical number exceeding 500 dwellings in order to keep the opportunity to update and finalize at the most appropriate time, the actual number of implemented dwellings.

Table 1: PdCh pilot sites

Territory name	Pilot site name	Number of dwellings
Hénin Beaumont	Le Ponchelet	168
Béthune		121
Lens-Liévin	Les Oiseaux – Perce Neige	99 - 60
Arras	Goudemant	248
Côte d'Opale	La Cachaine	51

Beyond the location of experimental sites, PDCH also took into account the recruitment and the collaboration facilitation with tenants. It has been decided to define different family compositions through the different sites.

In order to support the good implementation of EnergyTIC project, the participation of local professional teams has been considered as a key role.

Finally, consideration of these factors provides a mapping of experimental sites, and a representation of a wide range of conditions that will be analyzed in terms of reciprocal influence.

Partenord Habitat

The designation of the experimental sites for Partenord Habitat requires the choice of about 500 dwellings with individual gas heating. These 500 dwellings have been identified on five of ten territories of Partenord Habitat, for experimentation on a broad scope and representative of Partenord Habitat housing. The operation of buildings will be later technically defined, for each building, at the moment of software solution installation.

The actual number of implemented dwellings on the 500 dwellings selected will be updated at the most appropriate time.

On these 500 units a replacement boiler was made in 2011 or early 2012. At Dunkerque, the building was completely rehabilitated. The EnergyTIC project will also allow us to measure the benefits and value of such work for tenants

Table 2: Partenord pilot sites

Territory name	Pilot site name	Number of dwellings
Douai	Boulevard Jeanne d'Arc	200
Lomme	Degeyter	120
Dunkerque	La Verrerie	148
Grande Synthe	Aquitaine	43
Nieppe	Poissonnier	40

In order to support the good implementation of EnergyTIC project, the participation of local professional teams has been considered as a key role. The support of local association to explain the project to the clients will facilitate the collaboration with tenants.

HTC, as coordinator of French cluster informed SHOs on data protection regulatory:

Relevant regulation to observe: Organic Law 15/1999, 13 December, Protection of Personal Data and Law 34/2002, 11 July, services of information society and electronic commerce. Section 226.18 of the Criminal Code) Art. A 7-processing personal data must have the consent of the person concerned or meet one of the following conditions:

- compliance with a legal obligation incumbent on the controller;
- safeguarding life of the person concerned;
- the execution of a public service mission vested in the head or the recipient of treatment;
- the execution, or of a contract to which the person is a party or pre-contractual measures taken at the request of the latter;

- the realisation of the legitimate interests pursued by the controller or by the recipient, subject not to underestimate the interest or the fundamental rights and freedoms of the person concerned.

The CNIL is the French competent authority

Actions taken to make sure that provision of service is in line with local Regulation: Send a letter to our tenants asking permission to use their data; inform them on what we will do with their data and use only the consumption data ensuring confidentiality.

T2.4 "Production of a set of appropriate use cases" (M3 – M5) lead by PDCH

Use cases for EnergyTIC Services were drawn up following common guidelines and a structured template. Main focus for version 1 use cases was on the section "day in a life" to show practical examples of service use.

Objectives for service definition were to develop first prototype of service process models for EnergyTIC services. Work on service process models started in month 3 and will end in month 8.

Objectives for WP2 were:

- to draft the French EnergyTIC service Architecture
- to draw up specifications for Tenant Facing Web Services
- to draw up specifications for Back Office and Process Applications
- Work on service specification has started in month 4.

Results will be published in D2.2

The goal of this process was to summarize the actual as-is status at the different French pilot sites regarding the used and/or planned architecture, the tenant facing web services and the back office and process applications. While the deliverables of WP4 (D4.1) and WP6 (D6.1) were more or less related to a very abstract and technology independent view, work package 2 will for the first time introduce technological aspects.

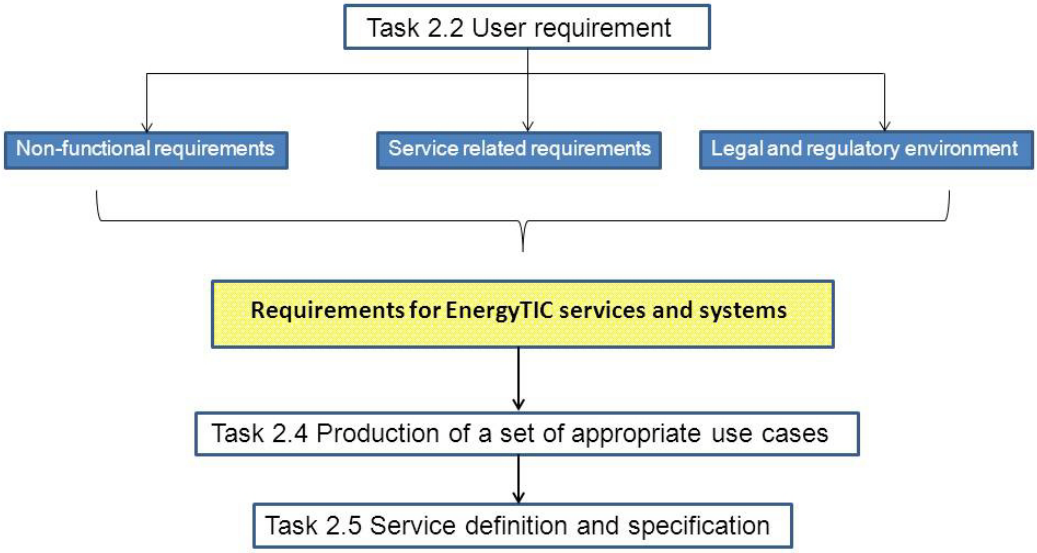
Due to the given systems' complexity, deliverable D2.2 was defined as an exhaustive representation of the different approaches being used at the different sites. This document shall be used as a starting point for all the subsequent WP2 tasks, also for generating finalized version of this service.

Task 2.5 "Service definition and specification" (M7 – M36) lead by PDCH

French cluster has to define the water and energy awareness and management strategy and the tenant web service taking into account user requirement and use cases.

The Work on requirements elicitation and use case development started in month 3 and is planned to end in month 5 for the production of use cases.

It is worthwhile mentioning that the project is operating with an iterative approach, i.e. all use cases are subject to iterative development, test and assessment. This implies that the results from the first phase are and will be re-visited for further development and improvement to finalise service.



This work as started as planned in Month 7.

Task 2.6 "Water and Energy awareness and management system implementation" (M6 – M10) lead by NKE

Based on requirements, the defined systems are implemented in the 2 sets of dwellings of Pas-de-Calais Habitat and Partenord Habitat.

This work has started in Month 6 on the PDCH pilot site first. This task is still ongoing for PDCH and then Partenord.

Technical description of implemented systems and infrastructures can be found in D4.1.

T2.8 "Evaluation baseline" (M1 – M36) lead by HTC

The "Evaluation Baseline" needs to be carried out as energy savings cannot be measured directly, but need to be calculated from a comparison of the baseline energy consumption (historical or control group design) with the energy consumption corresponding to the post service implementation. A baseline for a site must be established from data collected over a period of time long enough to provide representative performance of the site prior to implementing any EnergyTIC services.

A survey was carried out by HTC among pilot site managers to complete consumption tables provided in D6.1 (Annex 2 and Annex 3) to collect information regarding measurement of consumption from all pilot sites. The aim is to achieve a comprehensive inventory of measurements, statements, data transmissions, etc. Furthermore, this information allows for the appraisal of observed differences between consumption savings assessed at different pilot sites. This information is essential to ensure consistency and justification in comparisons of consumption data made between the different pilot sites.

Cluster	Site	Energy Type	Baseline period	Reporting period	Baseline survey
France	PdCh	Hénin Beaumont	2009 - 2011	M13-M36	Late 04/2012
		Béthune	2009 - 2011	M13-M36	05/2012
		Lens-Liévin	2009 - 2011	M13-M36	05/2012
		Arras	2009 - 2011	M13-M36	Early 04/2012
		Côte d'Opale	2009 - 2011	M13-M36	09/2011
	Partenord	Douai	Cold water: 2010-2011 Electricity, gas: M13 – M36	M13-M36	16/03/2012
		Lomme		M13-M36	28/02/2012
		Dunkerque		M13-M36	12/03/2012
		Grande Synthe		M13-M36	13/03/2012
		Nieppe		M13-M36	12/03/2012

Results will be published in D2.1

T2.9 "Good practices diffusion between national clusters" (M1 – M36) lead by HTC

Data and information issued from WP2 are shared between consortium members through conference calls and meetings.

2.1.3 WP 3 Spanish cluster

In the following section it is explained the works done during the Reporting Period 1 under each task described in the document "Description of Work" inside Work Package 3. Only tasks having forecasted activities in P1 are described hereafter; task which will start activities after P1 will be included in future reports.

Task 3.1 "Spanish cluster coordination" lead by HABITEC

During P1 (M1-M7) coordination tasks in WP have been done to allow the evolution of the project, and to solve the problems found during the execution of the project. The first reporting period has been divided itself into two different periods: M1=March 2011 to M3=May 2011, M4=December 2011 to M7=March 2012.

During M1-M3 the WP3 management activity was first dedicated to prepare the collection of information about WP3 starting situation to be presented at the project kick off meeting, and after this meeting to handle the resulting situation. Kick off meeting was called the 8th of April 2011 and discrepancies on the project start-up appear during the meeting... The Spanish cluster coordinator (HABITEC) called the Spanish entities to a meeting the 27th April 2011 where it was reviewed the Project leader resign, Project leader alternatives, consortium agreement, project plan, …

Project was re-started in December 2012. In order to review the WP3 situation, a meeting for the Spanish Cluster was called by HABITEC in Seville in EPSA premises the 14th December 2011. The purpose of this meeting was to review the WP3 project situation (reporting periods, closest deliveries, tasks review, savings methodology …)

The delivery generated during P1 in WP3 (D3.1) was released in time in M4 (end of December). Its format was updated to the official one released in M5.

Multiple call conferences have been done with WP3 participants to follow up the works done, problems found and evaluation of solutions with each participant or related participants. Examples of the subjects worked in these conferences are the following ones:

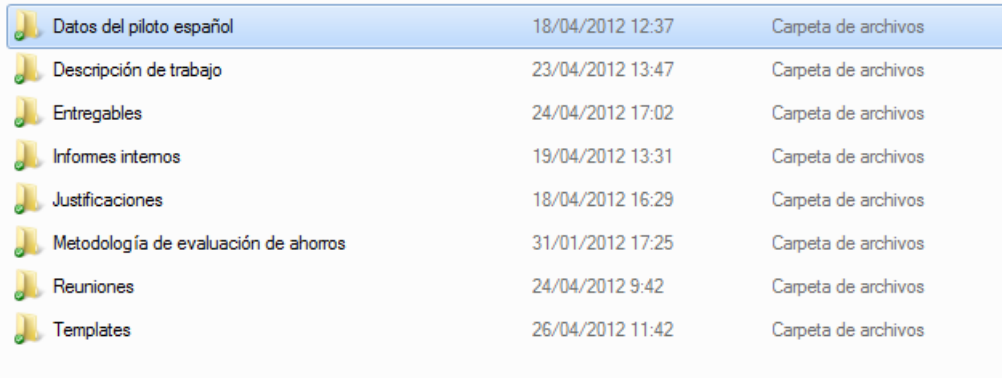
- Legal requirements related with the authorizations signed by the owner of the contract with utility (and not necessarily the real tenants) to allow its inclusion in the pilot, logical relationship among final user and specific dwelling, owner of the customer data base, new legal recommendations from EC to ensure the data confidentiality (arising on M7). All these issues have been discusses in a group formed by EPSA, ENDESA, EMASA, CITIC and HABITEC.
- Limitation found by EPSA in "Las Flores" concerning the limited number of individual smart meters and alternatives.
- Evolution of works in EMASA and ENDESA.
- Evolution of works in WINDINERTIA and DETEA.

Concerning the information management, a dedicated WP3 project folder has been created by HABITEC on Dropbox to allow all WP3 participants exchange information and have access in real time to whatever document or information is uploaded by any participant. The advantages to use such common folder are the following ones:

- Size of emails has been drastically reduced since there is no need to attached files to them, but just only reference to the folder where these files are placed. This is very important when dealing with big files like those having the building information which cannot even been sent by email since some servers cannot accept emails above few Mbytes.

- Each upload generate an automatic notification in the computer screen from each registered person.
- A working and flexible space to make easier the day by day works. This is very important in WP3 due to the large number of entities participating in it (seven) and the large volume of information exchanged, specially the one related with the drawings and pictures from buildings in the pilot.

In the following picture can be seen the first level tree of this common WP3 documentation repository:



Task 3.2 "Service definition" lead by EPSA (Empresa Pública del Suelo S.A.)

EPSA made the first deep analysis of the pilot area and the building construction characteristics on Las Flores neighbourhood. Out of this analysis, EPSA concluded that "Las Flores" had a limited number of dwellings with individual water meter. EMASA made the studies to evaluate the possibility of installing individual water meters in the whole neighbourhood. As a result of the study, the cost calculated by EMASA to introduce individualized water meters was 1.000 Euros per dwelling. The new water regulations force to set up a complete new water distribution network in each building, including new pipes and mechanism to fix them into the building structure, new individualize water meters, legal authorizations, etc. Neighbours could not afford such investment due to their weak economies. HABITEC made a research on regional subsidies (innovation and energy efficiency) which could cover the installation cost of individual meters and the associated infrastructure.

As a conclusion, no regional subsidy was identified to cover the water infrastructure improvement in "Las Flores" neighbourhood. In addition EMASA and EPSA could not afford such expense since no internal budget in their companies was forecasted for such purposes. Finally neighbours could not afford such investment due to their weak economies

As a solution EPSA identified two additional neighbourhoods (Capuchinos and Cruz Verde) that, initially, accomplished the technical requirements (having individual meters for energy and water, having enough information available to allow preparing the energy audits, etc.). While this report is being written (P2), EPSA has finished the social and economic analysis of the residents of these two additional neighbourhoods (Capuchinos and Cruz Verde) in order to confirm their suitability for

the pilot and the result is negative, so new additional buildings have been introduced in the pilot at the beginning of P2.

Technical documentation about Las Flores and the other buildings has started to be digitalized. Due to the building age construction date (from the 60s to the 80s) part of the existing information is in paper and in different departments from EPSA. Therefore it is being complicated to gather it in a short period of time. Moreover this compilation will be completed by month 9 in reporting period 2 (P2).

The form to retrieve the authorizations from tenants to obtain their consumption data has been drawn up and is being checked while this report is finish to be written (Month 9) by EPSA's legal department as well as by the utility companies (ENDESA and EMASA), CITIC and HABITEC. This form include the way the tenants participate in the pilot (target group, control group, …), their willingness to participate in the questionnaires fill in, protection data law implications, etc. Once having the approval from all legal departments it will start to be circulated among tenants and landlords (M9). The staff in charge of this task in EPSA is already appointed and is used to work with people with low education level and limited resources, making the information to be given to the tenants very attractive, accessible, and easy to understand.

The form to retrieve the authorizations from tenants has taken into account the new recommendations done by the EC concerning the role out of smart metering and the personal data protection (COMMISSION RECOMMENDATION of 9th March 2012 on preparations for the roll-out of smart metering systems, C(2012) 1342 final). This recommendation has been published in M7 of the project. The text of the agreement to be signed by each tenant had taken into account this EC recommendation in order to avoid legal problems during the deployment of the smart meters. Specific sentences have been included to ensure that dwellings participating in the project specifically authorize the continuous measurement of its consumptions. Otherwise, users can claim to be disconnected from the consumption monitoring anytime at all along the project and the project could collapse.

Additionally, EPSA's staff has also started in P1 the works jointly with Anderson Brown to prepare the development of the questionnaire adapted to the social and economic reality of the Malaga sites included in the Pilot, which will have to be distributed among tenants. EPSA's staff has also started the works to prepare the methodology to be undertaken to deploy the questionnaires and retrieve the answers from tenants.

HABITEC has reviewed other pilots from other PSP CIP ICT projects and general good practices to analyze behaviours inside groups. From this review it has been concluded it is recommended to balance target and control groups, especially when you have to match multiple different building topologies, as it is becoming the real final composition of the Spanish pilot. This means in the concrete case of the Spanish pilot in EnergyTIC, around 350 dwellings in each target and control group. This figure will not follow what is written in the DoW [1] (description of Work where it is stated that the target group has 550 dwellings and the control group has 150 dwellings) but is following what we think is the good practice in this new pilot scenario. A Specific internal report has been prepared on this topic to be submitted to the EC.

Task 3.3 "End to End communication cannel implementation" lead by CITIC

CITIC firstly made a technical analysis about the requirements of data transmission and processing and it defined the software architecture needed to show the user consumption information on the Web and TV user interfaces.

In order to retrieve the information from data consumption providers, CITIC has implemented a SOAP client to retrieve water smart meter information provided by EMASA and the all the process needed to encode that information into a DVB-T broadcast channel. Energy smart meter retrieval information implementation will be done jointly with ENDESA from M9. CITIC also implemented an MHP TV application to test the end-to-end channel implementation for the TV showing water smart meter data on the TV successfully.

An analysis of data encryption mechanisms was done for the TV channel because it has special security requirements due to all user data is broadcasted with the TV signal over the air.

Canal Sur TV made the preparation of the equipment needed for MHP application broadcasting. That equipment, the carousel generator, gets data from a FTP server whose files have been uploaded by CITIC previously.

On the other side, CITIC also tested different web libraries in order to show the information through the web interface using several graphics types in order to improve the usability of the service

EMASA has participated in this task by executing the following works:

- Definition of the Interface specification to consumption data from water smart meters data to CITIC.
- Definition of a Web service hosted on EMASA systems that provides the requested data from web client (CITIC has supported EMASA in this task).
- Definition of consumption data to be passed to the Web client.
- Definition of the server which will host all data read from the water meters and dedicated to EnergyTIC project.
- Implementation of a test system with remote reading of meters to provide data to CITIC.
- Study the deployment of communications infrastructure to provide remote reading service to selected pilot areas of Las Flores, Cruz Verde and Capuchinos.

The analysis done by Endesa has been to check if in the area selected by EPSA there are already smart meters in operation. So, Endesa has taken into account the selection of homes done by EPSA and has analyzed the existing electrical smart meters in the three neighbourhoods considered (Las Flores, Cruz Verde and Capuchinos) and then has studied which of those meters are not only installed but are also in operation, that is, they are connected to the corresponding data concentrators, located at the transformers stations, that allow the communication between Endesa's central system and the electrical smart meters.

Regarding the selected buildings in Las Flores neighbourhood, a total 231 homes with electrical meters have been identified, 52 of those have smart metering in operation. In Cruz Verde and Capuchinos, 427 homes with electrical meters have been identified, 1 of those has smart metering in operation.

As the result of the analysis, Endesa has concluded that only part of the dwellings selected by EPSA have electrical smart meters in operation. Since the Endesa's smart metering roll-out is still in progress it would be therefore necessary to install new smart meters and concentrators in these areas to perform successfully all the remote control operations required by the EnergyTIC project. Regarding the communication of the information of energy consumption between Endesa and CITIC, Endesa will get the information from its smart metering system and will send it to an FTP server. CITIC will have access to this FTP server. Access to the FTP server will follow the strict security rules since Endesa data bases are quite closed for security reasons. The implementation of this interface will be done in P2.

During this P1 reporting period, HABITEC have made periodical follow up with EMASA, ENDESA, CITIC and Canal Sur to ensure the progress and coordination of the works.

Task 3.6 "District Solutions" (M1-M30) lead by Windinertia.

WINDINERTIA takes the lead in proposing the different district or block solutions for the Spanish pilot.

Before proposing the district or block solutions a preliminary audit report of what exists was performed. To this end, an identification of the natural groups of buildings and a specific analysis of each of the blocks that form part of the Spanish pilot has been carried out. Natural groups are defined as sets of apartment blocks susceptible to have grouped district solutions.

Cards for each natural group and each building have been designed, which register the planimetry; the pictures; the location data; the type of building; the number of floors, dwellings and inhabitants; the constructive resolution adopted and the insulation used in walls; the area and number of bedrooms of the dwellings; the historical consumption data; the level of rehabilitation; the existence of HVAC equipment, water, gas and electricity counters; the elevators; the type of lighting in the common areas; and the users profile.

These cards have been collected into a report made by WINDINERTIA. This report takes into account the three neighbourhoods proposed by EPSA until M7. These cards will be completed from M8 onwards, once EPSA is starting to release the documentation from the different buildings finally selected for the pilots and processing into a digital form the information from the selected neighbourhoods. Once the cards are completed it will be carry out a formal auditory and arrive to general conclusions. As of today, with the available information, some conclusions have been obtained, and can be summarized hereafter:

- Many buildings from the three proposed areas in P1 (Las Flores, Capuchinos and Cruz Verde) have no elevator.
- For the lighting of common areas, most buildings use between one and three luminaries with incandescent bulbs.
- In isolated buildings, common areas are very small; its surface is about 9% of the total area of the block. However, in clustered buildings the common areas assume about 20% of the

total surface and they often have large central courtyards that are also part of the common areas.

Las Flores has passed positively all analysis done by EPSA in order to admit it into the pilot. WINDINERTIA has made some general proposals included in D3.1 for possible district or block solutions in Las Flores based in cogeneration or photovoltaic technologies.. From M8 WINDINERTIA will perform a sunlight and solar analysis of the buildings of the Spanish pilot to estimate the average daily hours of sunshine received by the roof surface in winter, summer and autumn. Ecotect Analysis software will be used for such purpose.

In a second step to be carried out from M8, the specific district or block solutions will be proposed by WINDINERTIA for buildings previously audited. The systems which can be considered for blocks and districts are the following ones:

- Energy saving measures in the common area of the block:
- Improve the energy efficiency of the elevators.
- Replace the incandescent lamps of the common areas, by Led or low-energy light bulbs.
- Performances on the common areas for facilities for individual use by neighbours:
- Installation of solar panels to generate part of the energy and hot water that the building will consume.
- Installation of PV, photovoltaic, facilities to offset the building's energy consumption.
- To improve the energy efficiency of the elevators it is studied the possibility of including frequency inverters and regeneration systems in elevators. Furthermore for the system of illumination of the cabin it is proposed an efficient lighting system inside the elevator, based on LED luminaries and systems programming or presence detection.

DETEA has review WINDINERTIA`s proposals, and assess on constructive conditions of buildings and the economic implications, to determine whether the proposal made by WINDINERTIA can be finally implemented.

A first analysis of "Las Flores" neighborhood was made by DETEA during the P1 reporting period. This analysis is based in the studies and solutions proposed by Windinertia either on cogeneration or photovoltaic technologies.

With regards to a cogeneration system, the DETEA analysis has reveal the significant investment to be done. Hereafter are just only listed the necessary installations for such system:

- A general water pipe had to be installed from the basement to the building roof.
- Fit out the deck to comply with fire-fighting regulation R-240 and the DB-SI.
- A connection to inject the generated electricity to the national grid had also to be installed.
- Before the cogeneration equipment install a general water meter
- Install the cogeneration equipment, connecting it to the gas distribution pipe existing on the deck.
- install individualized water meters, one per household, after the cogeneration equipment
- insulate the hot water pipes to avoid heat losses,
- Increase the gas pipes section to supply the flow needed.

HABITEC and DETEA, after study Las Flores building topologies, concluded that only two buildings from Las Flores can provide the right roof to install cogeneration: flat roof where the above described technical works can be done. Rest of buildings with no flat roof geometries would complicate much more the installation works. Without entering in this summary into economical calculations, it worth to mention just only that the investment needed to carry our all above installations, cannot be afforded by landlords or tenants having incomes around 700 Euros per month. In Las Flores area there are no clear business able to consume the hot water generated which might pay for the hot water generated.

Concerning the DHW (Domestic Hot Water) the installation rules in Spain are based in the directions from the Spanish Regulation of Thermal Installation in Buildings included into the Technical Buildings Code (as a transposition from the directive 2002/91/EC). Due to the age of the dwellings, no DHW installation exists in the buildings. Again, income from Las Flores tenants does not allow paying a DHW.

Concerning the PV panel installation in Las Flores, DETEA will perform from M8 a study to confirm that the building structure is able to support the extra weight. The study has to be based in the information provided by EPSA. This information is being compiled by EPSA and it will be available to allow the study in the second reporting period of the project.

At the end of M5, the new Spanish Government has suspended the fed-in tariff for Renewal Energy Generation. While this report is written in M8, a new regulation is still pending to be published. This new regulation will allow the calculation or the return on investments and new fed-in tariff for Renewal Energy Generation. Once having this new regulation published it will be possible to find ESCOs open to invest in district solutions based on PV and cogeneration.

2.1.4 WP 4 Quantitative Assessment

In the following section it is explained the works done during the Reporting Period 1 under each task described in the document “Description of Work” inside Work Package 4. Only tasks having forecasted activities in P1 are described hereafter; task which will start activities after P1 will be included in future reports.

Task 4.1 “Definition of the information to be obtained from each pilot in the project” (M1-M6) lead by HABITEC

During P1 (M1-M7) a document (delivery D4.1”Measurement methodology report”) has been created to allow the technical description of the solutions used in the two pilots in France and the pilot in Spain. D4.1 has been designed as a concise document to allow the pilots introduce the technical details of each ICT solution. Delivery D4.1 will have to be compared with the service definition of each pilot and the savings obtained from each pilot, and then it will be possible to assess how each ICT solution is helping to get the savings. Delivery D4.1 includes the necessary fields to describe the following information:

- How the data acquisition is done in the measurement point. In this section equipment detailed features and data acquire by each equipment is considered. Any type of

measurement equipment used is considered: cold water, hot water, electricity, gas, heating or other data acquisition equipment (temperature, …)
- How data is processed at the different interfaces. First how data is retrieved from the measurements equipment or the servers collecting the information. Secondly how data is processed before sent it to the different interfaces with final users.
- How data is transmitted from the along the different transmission paths used in each pilot.
- What equipment is used to present information to the final user and what information can be provided to final users.

Information to complete D4.1 has arrived at the beginning of M9, so HABITEC will review and analyse it and complete D4.1 release in M9. D4.1 delay from M7 to M9 has no impact on tasks or other deliveries. In fact, due to the Task 4.1 "Definition of the information to be obtained in each pilot"slack, it could have been plan its delivery for M10 without any impact for other task or deliveries. Task 4.1 has slack until M10, from where T2.7 "Pilot operation" is starting.

Task 4.2 "Compilation of information from each pilot done in the project" (M6-M30) lead by HTC

Following the description of this task, information will be gathered from each pilot, and this information will include all the necessary details to allow a complete technical assessment. This task has been described to start in the DoW [1] earlier than the pilots have been forecasted to start. As specified in the DoW [1] French pilot operation will not start until M11 and Spanish pilot in official operation will not start until M18 (and test mode from M13).

2.1.5 WP 5 User Experience

In the following section it is explained the works done during the Reporting Period 1 under each task described in the document "Description of Work" inside Work Package 5. Only tasks having forecasted activities in P1 are described hereafter; task which will start activities after P1 will be included in future reports.

There were two deliverables planned for Reporting Period 1 - **D5.1 – *User experience recommendations report*** and ***D5.2 – User behaviour profile baseline survey report (France).*** D5.1 was delivered during the reporting period as anticipated. The vast majority of the time and effort dedicated to this work package during Reporting Period 1 was for Tasks 5.2. Task 5.2 consists of activities related to the development and completion of **D5.1 - User experience recommendations report.** Task 5.2 consists of three subtasks:

- T5.2.1 – An overview of the literature on user engagement and behaviour change for water and energy
- T5.2.2 – An overview of past projects and initiatives
- T5.2.3 – Writing the report and recommendations

During this reporting period, work has also begun on Task 5.3. The activities of Task 5.3 are related to the **D5.2 - User behaviour profile baseline survey report** (France)[1]. Task 5.3 consists of five subtasks:

1 Note that due to differences in timing of group creation between the French and the Spanish cluster, tenants in the Spanish cluster are expected to begin completing the surveys in M17.

- T5.3.1 – Development of the baseline questionnaire (English)
- T5.3.2 – Disseminating and administering the questionnaire through the pilot countries
- T5.3.3 – Collecting the questionnaire responses
- T5.3.4 – Analyzing the results
- T5.3.5 – Writing the baseline behaviour profile report

T5.3.1 and T5.3.2 have been completed. The questionnaire has been produced in English and the French pilot has translated the questionnaire into French. Two versions of the French questionnaire – one for Pas-de-Calais Habitat and one for Partenord Habitat – have been created by Anderson Brown and programmed into an online survey tool. The URLs for these online surveys have been sent to the French pilot, which is responsible for working with social housing bodies and residents to complete the surveys. T5.3.3 – T5.3.5 are still outstanding.

Therefore, the status of D5.2 is that it has been delayed. Two factors have contributed to this delay. First, there was a need for greater alignment between the surveys being done with WP2 and WP5. WP2, the French pilot, had developed its own survey, which was not in alignment with the cross-pilot baseline survey being developed in WP5 by Anderson Brown. Second, the operational schedule developed by Pas-de-Calais Habitat and Partenord Habitat in France includes plans to disseminate surveys at the majority of sites in March, April, May and June. This schedule does not allow for the data from the survey responses to be collected, analyzed and the report written by Anderson Brown by March, the deadline for D5.2. We have since revised the WP5 questionnaire to incorporate additional questions that the French cluster wished to have include that are of particular interest to the French pilot while maintaining the validity and rigor for the questions on user behaviour. This revised questionnaire was reviewed by the French cluster in March and translated to French. The French cluster confirmed to Anderson Brown in March 2012 that agreement had been reached to use the WP5 questionnaire in France and Anderson Brown, as a result, programmed the questionnaire into an online survey tool. The links for the Pas-de-Calais Habitat and Partenord Habitat online surveys were been sent to the French cluster by April 15, 2012 as per agreement.

However, the latest communication from the French cluster (26 April 2012) is that the WP5 questionnaire *will not* be used for the baseline surveys. We are currently awaiting further clarification from the French cluster.

Provided that the WP5 questionnaire is completed at some point, Anderson Brown will then need two months to analyze the responses and write the report. Once the surveys have been completed and response data is collected, Anderson Brown will be able to analyze the results, write the report and send D5.2 to the Commission.

It should be explicitly understood that this timeline is wholly dependent on the operational plans of the French cluster and any deviations or changes to these plans and activities by the French cluster, and by Pas-de-Calais Habitat and Partenord Habitat in particular, will impact the timeline and the deliverable.

During this reporting period, work has also begun on Task 5.4. The activities of Task 5.4 are related to the **D5.3 - User behaviour engagement strategy and plan (France[2]).** It is important to

2 Note that there are dependencies between these two deliverables as D5.3 cannot be completed until D5.2 is completed. Therefore, D5.3 will be produced after D.5.2. Delays in the completion pf D5.2 will necessarily delay the completion of D5.3.

note that D5.3 cannot be completed until D5.2 is complete. However, Anderson Brown has begun to work with the French and Spanish cluster to better understand the nature of the social housing tenants, and the types of engagement strategies that will be employed by the housing associations, all of which will have a bearing on the engagement strategy and plan. Anderson Brown has also begun to compile information and relevant materials on engagement approaches and with engagement tips.

As D5.3 is dependent on D5.2, there will also be an impact on D5.3, and D5.3 will also be delayed (Reporting Period 2). From a resource perspective, these delays are not expected to be problematic and sufficient resource will be available to complete the tasks at the appropriate time.

2.1.6 WP 6 Overall evaluation & best practices

In the following section it is explained the works done during the Reporting Period 1 under each task described in the document "Description of Work" inside Work Package 6. Only tasks having forecasted activities in P1 are described hereafter; task which will start activities after P1 will be included in future reports.

Task 6.1 "Evaluation planning" (M1 – M5) lead by HTC

The success criteria and the methodology for evaluation (energy efficiency measurement described in the common ICT project deliverables "Definition of methodology") for the pilots are communicated to clusters and pilot sites after having provided to consortium members for comment.

Evaluation criteria are drawn up based on user, organisation and service requirements (in parallel with leaders of WP2, WP3, WP4 and WP5). The methodology application is finalised based on comments received. Survey and other instruments are drawn up ready for use in baseline and project data collection.

Energy/water audit will be carried out in a significant number of dwellings (one for water and one for energy per selected dwellings).

During P1 (M1-M7) a document (delivery D6.1) has been created to allow the description of the evaluation planning used in the two pilots in France and the pilot in Spain.

The key aspects of pilot evaluation are:

1. the analysis of metered consumption data in order to identify changes in energy and water consumption as a result of the usage of EnergyTIC services and
2. the inclusion of the user perspective in the interpretation of the consumption data development by using a tenant survey or the like.

1. Consumption measurement approach:

The consumption measurement approach is transformed in a measurement table which is orientated at the International Performance Measurement and Verification Protocol (IPMVP). This table includes all available consumption data on a (at least) monthly basis over several time periods (e.g. heating periods). If historical comparisons are not applicable a control-group-design will be used. The allocation of dwelling sizes, dwelling numbers, degree day corrected temperature figures or the like is possible (see annex 3, D6.1).

2. Inclusion of the user perspective

With regard to the user's perspective at each site a detailed description of methods (e.g. panel study) and time-plans was made and included in the deliverable D6.1. French and Spanish pilot sites will carry out user/non-user comparisons in order to assess the effectiveness of EnergyTIC services with regard to changes of energy consumption behaviour.

Where applicable, pilot sites shall use standardised survey questions (about socio-demographic characteristics, energy consumption behaviour, attitudes and knowledge about energy saving issues, user acceptance, etc.), that allows cross-pilots comparisons. An allocation of metered consumption data and survey data will be possible. The data set will be anonymised by using a tenant code approach (see annex 1, D6.1).

Task 6.2 "Evaluation baseline" (M1 – M17) lead by HABITEC

Prior to introduction of new services, data gathered by the appropriate means – questionnaire, interview, observation or data – in national cluster (WP2, WP3) are collected. Consumptions baselines will be calculated inside WP2 and WP3. A report with all necessary details of the calculation method, periods of observation used, etc. will be made by WP2 and WP3 leaders and sent to HABITEC and AB for their analysis of each one. Once studied, solved the questions about each way to calculate each baseline, then HABITEC and AB will assess on the best practices of each pilot on consumption baseline calculation.

At French pilot sites some of the baseline periods for consumption measurement are historical (see table below taken from D6.1). Spanish pilot will start baseline measurement in Month 18 based on data obtained from the control group due to two following main reasons. In one side Spanish historical consumption measurements do not have enough granularity since Spanish utilities records just only consider water and energy consumption measurement every two months. This situation has been reported by the Spanish pilot from 3e-houses (reported by Gas Natural in the meeting held in Brussels the 2nd May, to review the methodology for energy-efficiency). On the other side Spanish test period having smart meter measurements before the pilot official start will cover from M13 (September 2012) to M17 (January 2013), not even covering a complete cold cycle, and far from a complete year climatic cycle.

In the following table are presented the maximum granularity of the Spanish and French water and energy consumption measurements. Depending on the service definition of each pilot the final granularity selected will be used to prepare the information presented to the final user and the information used to estimate the energy and water savings following the PSP-CIP common methodology.

Cluster	Site	Energy Type	Unit	Frequency of meter reading	Baseline period	Reporting period
France	PdCh	Heating	kWh	60 min	2009 -2011	M13-M36
		Hot Water	kWh	60 min	2009 -2011	M13-M36
		Cold Water	m^3	60 min	2009 -2011	M13-M36
		Electricity	kWh	60min	2009 -2011	M13-M36
		Gas				
	Partenord	Heating				
		Hot Water				
		Cold Water	m^3	360 min	2010-2011	M13-M36
		Electricity	kWh	15 min	M13-M36	M13-M36
		Gas	m^3	360 min	M13-M36	M13-M36
Spain	Las flores	Heating				
		Hot Water				
		Cold Water	m^3	60 min	M18-M30	M18-M30
		Electricity	kwh	15 min	M18-M30	M18-M30
		Gas				
	Capuchinos	Heating				
		Hot Water				
		Cold Water	m^3	60 min	M18-M30	M18-M30
		Electricity	kwh	15 min	M18-M30	M18-M30
		Gas				
	Cruz Verde	Heating				
		Hot Water				
		Cold Water	m^3	60 min	M18-M30	M18-M30
		Electricity	kwh	15 min	M18-M30	M18-M30
		Gas				

The baseline tenant surveys were scheduled according to these time plans (see table below taken from D6.1).

Cluster	Site	Pilot Site name	Baseline survey	Mid-term survey	Final survey
France	PdCh	Hénin Beaumont	Late 04/2012	M23	M30
		Béthune	05/2012	M23	M30
		Lens-Liévin	05/2012	M23	M30
		Arras	Early 04/2012	M23	M30
		Côte d'Opale	09/2011	M23	M30
	Partenord	Douai	16/03/2012	M23	M30
		Lomme	28/02/2012	M23	M30
		Dunkerque	12/03/2012	M23	M30
		Grande Synthe	13/03/2012	M23	M30
		Nieppe	12/03/2012	M23	M30
Spain	Malaga	Las flores	M17-M18	M23	M30
		Capuchinos	M17-M18	M23	M30
		Cruz Verde	M17-M18	M23	M30

2.1.7 WP 7 Dissemination

In the following section it is explained the works done during the Reporting Period 1 under each task described in the document "Description of Work" inside Work Package 7. Only tasks having forecasted activities in P1 are described hereafter; task which will start activities after P1 will be included in future reports.

Task 7.1 "External dissemination preparation" (M4 – M6) lead USH

1. A logo has been produced in collaboration with all the members of the Steering Committee
2. A template for ppt presentation and for deliverables has been produced to support dissemination activities. The template was presented and made available to all partners for use in their own presentation.
3. The EnergyTIC project summary was written and has been made available to all partners for dissemination.
4. Cecodhas Europe was notified of the launch of the project EnergyTIC. The project will be included in the toolkit of the European Platform of the Power House project as well as the French and Spanish National Platforms (after translation).
5. For the launch of the French cluster, EnergyTIC project was presented during the workshop "Information and Communication Technologies: Steps towards smart social housing?" which took place in Angers the 2nd and 3rd of February 2011.

   http://www.workshop-tic-logementsocial.fr/index.php?lang=en

Through this workshop, a shortlist of French SHOs were invited to follow-on the project strategy and results. Many of these organizations have since contacted NKE and Intent (ICT solution providers for the French cluster) to obtain information on what is implemented at the PDCH and Partenord pilot sites.

6. Partners have begun with work concerned with the communication to policy makers and public authorities at national level to inform about the project (presentation in workshops, in professional regional press, in professional journals, addressed to major institutional partners…). A more complete dissemination activity (including also project newsletter and scientific papers) will begin as soon as the first results will have been provided by the project partners.

Next step will be to produce a brochure presenting overall objectives of EnergyTIC project and describing pilot sites.

Task 7.3 "Project web presence" (M4 – M36) lead USH

The EnergyTIC website is operating under the URL: http://www.energy-tic.eu.

Structure and content were agreed on among project partners and it became operational in Month 7.

Good usability and accessibility criteria are ensured.

All partners have the opportunity to contribute to the website by editing news in the respective section. The website will be updated regularly to include news and results from the project when they become available.

A private section has been launched for EnergyTIC partners. This section is used as a folder sharing for efficient internal project file exchange.

2.2 Main results achieved

In the following section it is explained the main results achieved during the Reporting Period 1 per Work Package.

2.2.1 WP 1 Project management

Main results achieved in the Work Package 1:

- Grant Agreement signature.
- Amendment coordination and implementation.
- Delivery D1.1 released on time in M4. It had to be adapted after its release to the official template and logos in M5.
- First reporting period coordination.
- General Assembly organization.
- Project Reporting coordination: Progress report development and Financial Statement coordination and collection.

2.2.2 WP 2 French cluster

Main results achieved in the Work Package 3:

- Deliverable D2.2 will present the results of the work conducted through T2.2, T2.3, T2.4 and T2.5.
- Deliverable D2.1 will present the results of French pilot site baselines.

2.2.3 WP 3 Spanish cluster

Main results achieved in the Work Package 3:

- Delivery D3.1 released on time in M4. It had to be adapted after its release to the official template and logos in M5.
- Clear picture of the maximum number of dwellings from the initial pilot forecasted neighbourhood (Las Flores) which can be incorporated to the pilot (around 200) and found solution to assign into another Malaga neighbourhoods the rest of the pilot dwellings up to a total of 700.
- First draft of agreement with individual tenants done. It will allow its revision by the legal departments of ENDESA, EMASA CITIC and EPSA in M8 and its distribution among tenants in M9.
- End to end communication channel tested for water consumptions. Work done by CITIC and Canal Sur Televisión.
- First pre-auditory has been done by WINDINERTIA in Las Flores.

2.2.4 WP 4 Quantitative Assessment

Main results achieved in the Work Package 4:

- Delivery D4.1 has received inputs from pending participants at the beginning of M9. This information will be studied and analysed by HABITEC in order to complete D4.1 in M9.

2.2.5 WP 5 User Experience

Main results achieved in the Work Package 5:

- There were two deliverables planned for Reporting Period 1 - **D5.1 – *User experience recommendations report*** and ***D5.2 – User behaviour profile baseline survey report (France).*** D5.1 was delivered to the Commission during the reporting period as anticipated. D5.2 has been delayed***.***
- D5.1 – **User experience recommendations report** provides a meta-review of the evidence from the literature on behaviour change for energy and water consumption and the role of ICTs. From the review of evidence, it highlighted some implications for the ENERGYTIC project.

2.2.6 WP 6 Overall evaluation & best practices

Main results achieved in the Work Package 6:

- Deliverable D6.1 presents evaluation planning and group description of the French cluster.
- The basis for all evaluation work in EnergyTIC has been documented for each site in D6.1.

Revision	Date	Author	Organization	Description
0.1	February	Nathalie Pilat detto Braïda	HTC	Providing structured template and first draft of D6.1
0.2	February	Tashweka Anderson	Anderson Brown Ltd	Providing the WP5 information
0.3	February	Rafael Abad	HABITEC	Providing the WP4 information
0.4	March	Ana Cabello	CITIC	1st review from coordinator
0.5	March	Rafael Abad	HABITEC	Providing the Spanish pilot information
0.6	March	Nathalie Pilat detto Braïda	HTC	Inclusion of social behavior aspect part
0.7	March	Rafael Abad	HABITEC	Peer review
0.8	March	Tashweka Anderson	Anderson Brown Ltd	Peer review on Inclusion of social behavior aspect part

As planned in T6.1, the deliverable D6.1 has been written in collaboration with leaders of WP2, WP3, WP4 and WP5 in order to draw up evaluation criteria and tools based on user, organisation and service requirements.

- T6.2 Evaluation baseline

Baseline analyses from French pilot sites have already started and will be presented in D2.1 deliverable.

“Evaluation Baseline” needs to be carried out as energy savings cannot be measured directly, but need to be calculated from a comparison of the baseline energy consumption (historical or control group design) with the energy consumption corresponding to the post service implementation. A baseline for a site must be established from data collected over a period of time long enough to provide representative performance of the site prior to implementing any EnergyTIC services.

To calculate changes in energy and water consumption after the EnergyTIC service implementation, it needs to be ensured that:

1. Comparable baseline consumption data are available (in the best of cases, both baseline and reporting period cover full operating cycles),
2. All other conditions influencing the energy consumption (heat system, tenants…) beside the services have to be identical in both baseline and reporting period.
3. The measurement of data has to be the same or has to be on a comparable basis in both periods.

Many factors affect the energy consumption and must be accounted for during the development of a satisfactory baseline (example: variation of energy price, climate harshness, variation in tenancy due to changeover…).

The first work done by HTC as regards T6.1 was to design a standardised measurement table to collect information regarding measurement of consumption from all pilot sites (Annex 3 of

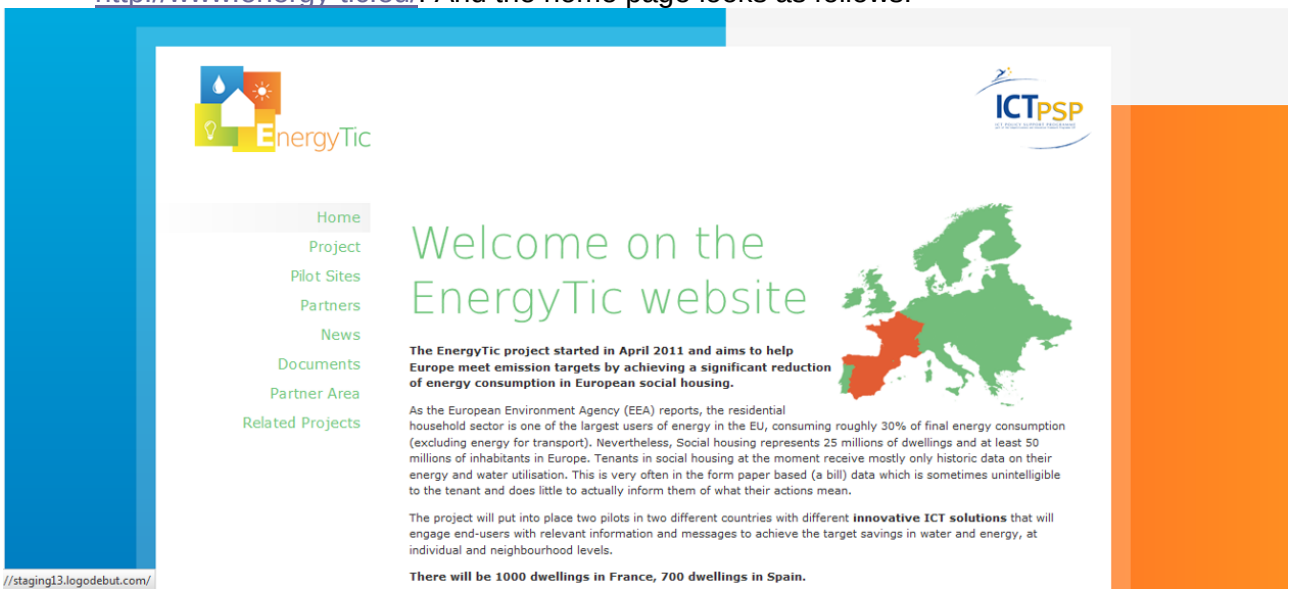
D6.1). It serves as a database which collects all basics and details regarding the consumption data gathering at the pilot sites. The table was established with the idea that – when studying different pilot sites which themselves are implementing various ICT solutions in different environments – the likelihood of facing different measurement conditions is very high. For this reason, a detailed description of each site measurement environment is necessary. The aim is to achieve a comprehensive inventory of measurements, statements, data transmissions, etc. Furthermore, this information allows for the appraisal of observed differences between consumption savings assessed at different pilot sites. This information is essential to ensure consistency and justification in comparisons of consumption data made between the different pilot sites and also to compare the result of EnergyTIC pilot sites with those of other projects.

A survey was carried out by HTC (as leader of WP2) among French pilot site managers to complete this table.

2.2.7 WP 7 Dissemination

Main results achieved in the Work Package 7:

- Deliverable D7.1 Dedicated webpage has been designed, the URL is the following: http://www.energy-tic.eu/. And the home page looks as follows:



EnergyTIC website – home page

Dissemination materials:

Materials were prepared to support dissemination activities including complete PPT presentation for external dissemination.

The logo of the project has been approved for all partners and EnergyTIC project summary was written. The logo was made available to all partners for using in their own presentations at national level.

In association with HTC, USH participated in the structure review of the project website and proposed some improvements to the website provider.

Meetings and presentations:

The project was presented informally in various workshops during the National Congress of USH in September (3000 attendees, mainly French Housing Organizations, but also few European Housing Organizations as the one involved in Power House Europe). Power House Europe is a European tool dedicated to the dissemination of all the actions realized in the frame of European Commission funds. One of these main goals is to provide good practices and experimentation share at national and European level.

In France, regular meetings with the landlords interested by the results of European programs have been organized at national level in association with the European program Powerhouse. Landlords (45 participants: ICT providers, energy and water providers, SHOs…) are now aware of the ongoing projects and have an opportunity to directly contact the EnergyTIC project partners for more information and advices to implement equivalent services.

A conference about EnergyTIC project was done during the Angers ICT workshop by Intent. The workshop provided an informative debate and exchange forum for over 65 attendees from various social housing organizations, associations and enterprises.

The EnergyTIC project was presented by HTC to one of the major institutional partners of USH: Caisse des Dépôts et Consignations.

EnergyTIC French cluster participation to ICT workshop in Angers:

http://www.workshop-tic-logementsocial.fr/matin.php

2.3 Deliverables and milestones tables

2.3.1 Deliverables

TABLE 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
D1.1	Quality management plan	WP1	CITIC	R	PP	M4	YES	25/01/2012
D3.1	Description of the prototype	WP3	HABITEC	R	PP	M4	YES	25/01/2012
D7.1	Dedicated webpage open	WP7	USH	R	PU	M4	YES	15/5/2012
D6.1	Description of methodology to be used for baseline evaluation	WP6	HTC	R	PU	M5	YES	24/04/2012
D5.1	User experience Recommendations Report	WP5	ANDERSON BROWN	R	PU	M5	YES	21/02/2012
D7.2	External dissemination strategy determined	WP7	USH	R	PU	M6	NO	Late (1 mo delay)
D1.2	Technical and financial report	WP1	CITIC	R	PP	M7 changed to M9 (check comment column)	Yes	09/05/2012
D2.1	Report on pilot baseline	WP2	HTC	R	PP	M7	NO	Late (2 mo delay)

D2.2	Description of the prototype	WP2	HTC	D	PU	M7	NO	Late (1 mo delay)
D4.1	Measurement methodology report	WP4	HABITEC	R	PU	M7	YES	14/05/2012
D5.2	User behaviour profile baseline survey report	WP5	ANDERSON BROWN	R	PU	M7	NO	M10

2.3.2 Milestones

TABLE 2. MILESTONES

Milestone no.	Milestone name	Due achievement date from Annex I	Achieved Yes/No	Actual / Forecast achievement date	Comments
MS1	**Identification and buy-in of pilot**	**31/01/2012**	**No**	**30/09/2012**	

2.4 Development and use of the Project website

Project website is going to be done public on May 14, 2012.

There is a "partner area" in the website with a login and a password for having access to restricted documentation. A .pdf version of the project documentation can be sent to the webmaster and he/she will upload it into the website.

2.5 Use and dissemination activities during this period.

Dissemination activities are described in paragraph “Work progress and achievements during the period” for the WP 7 Dissemination.

Furthermore the project has had relationship with other projects:

- HTC is Evaluation leader on eSESH project is participating to the definition of a common methodology for energy saving measurement.

- HABITEC has attended SMART 2011-0072 - Methodology for energy-efficiency measurements applicable to ICT in buildings – meetings with the objective of:
  - provide details of measurement methodologies used in pilots to date;
  - participate in discussions regarding harmonisation of the methodologies, and development of the non-residential methodology;
  - consult in the development of the software tool and provide feed-back to the software developers;
  - provide pilot data in a form that can be input to the new software tool.

- HABITEC has attended the Workshop on the methodology for energy-efficiency measurements applicable to ICT in buildings - 2nd of May 2012 - Brussels

3 Project Mangement

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

Problem: At the beginning of the project COROGEN had many problems regarding project management.

Solution: Change of Project Coordination (include into the Amendment No.1 to Grant Agreement No. [2701947] – Project title "[EnergyTIC]") and its termination of participation.

3.2 Changes in the consortium, if any

The changes occurred in the consortium have been:

- Change of Coordinator from COROGEN to CITIC
- Removal of one beneficiary due to their non-accession to the grant agreement: CONSEJERIA DE OBRAS PÚBLICAS Y VIVIENDA-JUNTA DE ANDALUCIA
- Termination of beneficiaries' participation: COROGEN SPRL and EVIN Technologies
- Modification of start date to 01 March 2011
- Modification of reporting periods:

- P1: from month M1 to month M7
- P2: from month M8 to month M13.
- P3: from month M14 to month M24.
- P4: from month M25 to month M36.

- Change of community financial contribution: decreased by EUR 742.632 being the maximum financial contribution EUR 1.897.361
- Addition of one o more beneficiary: EMPRESA PÚBLICA DEL SUELO DE ANDALUCIA (EPSA) and NKE SA (NKE)
- Modification of Annex I – Description of Work

3.3 List of project meetings, dates and venues

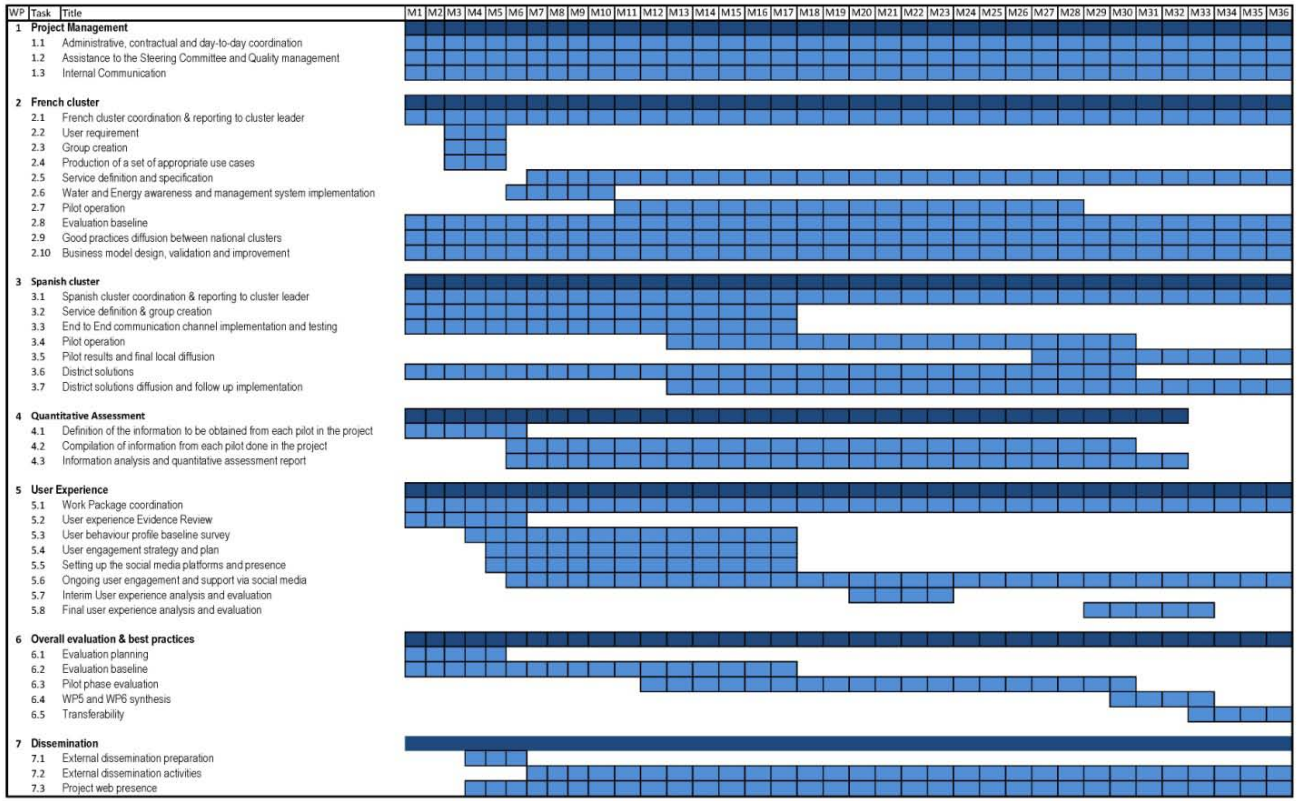
- Kick-off meeting was held on 8th of April 20011 Project Coordinator delivered a Project introduction presentation with the project context, partners, objectives and expected results. And then every Work Package Leader delivered a Work Package presentation.
- On April 27, 2011, a Spanish Cluster meeting was held in Sevilla, Spain.
- On May 4, 2011, it was held the first meeting of the Steering Committee with the Project Officer, Alejandro Varas was there to represent CITIC. In the meeting was presented the project situation and the Project Officer gave the basis to begin to prepare the Amendment.
- On June 6, 2011, (out of the official dates of the project but useful for the French Cluster in order to prepare the work to do) it was held a French Cluster meeting in HTC, Paris, France.
- On June 22, 2011, (out of the official dates of the project but useful for the French Cluster in On July 6, 2011, (out of the official dates of the project but useful for the French Cluster in order to prepare the work to do) it was held a French Cluster audio-meeting.

- On July 11, 2011, (out of the official dates of the project but useful for the French Cluster in order to prepare the work to do) it was held a French Cluster Technical meeting in PAS DE CALAIS HABITAT, Arras, France.
- On August 25, 2011 (out of the official dates of the project but useful for the French Cluster in order to prepare the work to do), it was held a French Cluster Technical meeting in PARTENORD, Illes, France.
- On September 7, 2011, (out of the official dates of the project but useful for the French Cluster in order to prepare the work to do) it was held a French Cluster audio-meeting.
- On December 2, 2011, it was held a Steering Committee audio-meeting.
- On December 7, 2011, it was held a French Cluster audio-meeting.
- On December 14, 2011, a Spanish Cluster meeting was held in Sevilla, Spain.
- On January 3, 2012, it was held a Steering Committee audio-meeting for dealing the following issues:
    - Deliverables progress
    - Project image.
    - Administrative and financial details for cost and effort justification
    - Next steps
- On January 4, 2012, it was held a French Cluster audio-meeting.
- On February 6, 2012, it was held a French Cluster meeting in PAS DE CALAIS HABITAT, Arras, France.
- On March 6, 2012, it was held a Steering Committee audio-meeting to check project state and the next steps.
- On March 14, 2012, it was held a French Cluster audio-meeting.
- On March 26, it was held a transversal WP2-WP5 audio-meeting.

- On March 28, 2012, it was held a French Cluster audio-meeting.
- On January, February and March, were held multiple audio-meetings among Spanish cluster members to follow up the works done under each task.

3.4 Project planning and status

The initial planification is as shows following Gantt chart:



The current planification is as shows following Gantt chart:

3.5 Impact of possible deviations from the planned milestones and deliverables

- WP1:
  - No deviations.

- WP2:
    - D2.1 and D2.2 should have been published in Month 7. They will be delayed of 1 month for D2.2 and 2 month for D2.1.
    - Deviation is mainly explained by the stop that the project had to endure. The quotes with measurement and information collection / distribution infrastructure providers had been to be studied and launched again. This results in a delay in the identification of the equipment used, in the selection of dwellings and buildings of the pilot sites that impacts the schedule and the writing of D2.2 as well as the launch of T2.8 (Evaluation baseline).
    - No negative impacts on the overall project plan are expected as T2.5 and T2.6 were launched earlier than planned to not stay behind schedule.
- WP3:
    - No deviations.
- WP4:
    - Delivery 4.1 should have been proposed in M10 instead of in M7.Task 4.1 has slack until M10. French Pilot will finish the implementation of systems in month 10 (June 2012) and Spanish pilot in M17 (and in M13 to start in test mode the pilot). Therefore D4.1 targeted for M7 was an over-commitment done in the DoW, which is clearly not necessary so early. The real time needed to collect the information has demonstrated to be in line with the rest of activities of the project. Task 4.1 slack will allow no impact on Task 4.2 or other delivery. There is also no impact on available resources and project planning. The real delivery for D4.1 will become M9.
    - Corrective actions.
        - Extend “Task 4.1 Definition of the information to be obtained from each pilot” until month 10, just to make it finish the previous month when a pilot is starting (the first one the French one). The Task 4 extension has been proposed graphically in the project Gantt chart review after P1.
        - Re-schedule D4.1 in month 10 (it will be closed even earlier, in M9 since the information has been received while this report is written and there is only the work left to review it and integrate in the delivery).
    -
- WP5

- D5.2 - User behaviour profile baseline survey report (France) has been delayed. The three remaining tasks of five will need to be completed for this deliverable to be complete.
- We are currently awaiting clarification from the French cluster about whether the WP5 baseline survey will be used with residents, when the tenants will complete the questionnaire and when Anderson Brown is likely to have completed responses. Once the surveys have been completed and response data is collected, Anderson Brown will be able to analyze the results, write the report and send D5.2 to the Commission.
- It should be explicitly understood that this timeline is wholly dependent on the operational plans of the French cluster and any deviations or changes to these plans and activities by the French cluster and by Pas-de-Calais Habitat and Partenord Habitat in particular, will impact the timeline and the deliverable.
- As D5.3 is dependent on D5.2, there will also be an impact on D5.3, and D5.3 will also be delayed (Reporting Period 2). From a resource perspective, these delays are not expected to be problematic and sufficient resource will be available to complete the tasks at the appropriate time.

- WP6

  - The actual evaluation work in WP6 starts operating in M1 – early start of conceptual evaluation planning, support in methods by use of the evaluation planning.
  - In addition to that some pilot sites already started the measurement of baseline data with regard to the before-after-comparison.
  - No negative impacts on the overall project plan are expected.

- WP7

  - Delays have been accumulated since the project began in WP7, mainly due to staff problems. Since July 2011, the number of people working for this WP at USH has evolved from 3 people at full time to 2 person working 4/5. Eva Pinaut, who was the main resource of partner USH for the work of dissemination has resigned and since Month 7 Carine Puyol, who was the USH responsible for dissemination is absent for medical reasons. As these people has/will not been replaced, the work could not be conducted according to what had been planned. Steering Committee is now deliberating on the opportunity to make a new amendment in order to implement a budget shift between USH and HTC (which should introduce new resources) for WP7.

  - General activities of presentation of the project were made on time (PPT presentation, EnergyTIC summary presentation, presentation to the major partners of serving organisations in social housing ...). A more complete dissemination activity will begin as soon as the first results have been provided by the project partners. For example, as soon as pilot site description will

be finalised, a newsletter will be published online on the EnergyTIC website and also communicated to Power House project. The content will be decided and produced by EnergyTIC consortium Members.

- USH will also hold the collection of information from project partners for their dissemination target Organisations. For dissemination, USH will produce, and make available on private section of EnergyTIC website, a form in order to allow partners to report on the activities of national release.

- A deviation from the work plan occurred in dissemination activities. This refers to the project brochure which should have been developed already but will now be prepared in the next weeks. The brochure design process started later due to the ambition and interest of presenting also the pilot sites whose descriptions are only in the stage of being finalised by the different pilot site leaders. A brochure will be produced presenting overall objectives of the EnergyTIC project and describing pilot sites. No negative impacts on the overall project plan are expected.

3.6 Impact of possible deviations from the planned resources

- WP3

  - The initial single pilot site, with single typology of buildings, was not possible to be maintained as a single pilot site, due to the presence of individual water meters in only 200 few buildings from Las Flores (the original neighbourhood forecasted for the pilot). Additional neighbourhoods have been also proposed to be included in the pilot in order to reach 700 dwellings. This situation means to pass from a single pilot area with a single building typology, to various pilot areas with a multiple building typology. As a result, the effort to study, document and manage those pilots exceeds by far the initial single pilot estimation done in the proposal. it imply a much larger effort on information compilation done by EPSA. It also imply a much larger effort on energy efficiency auditory done by WINDINERTIA, but it gives the opportunity perhaps to propose more varieties of district (or block) solutions. It also imply a larger effort done by DETEA, to analyze all the proposals made by WINDINERTIA. It also implies an extra effort in smart meter deployment planning and execution by ENDESA and EMASA. Fortunately all involved entities have accepted this situation, allocated as many resources as needed, and works have not entered into the critical path so far so no deviation has caused in the project plan.

- The control group and target group are proposed to be balance to an equal number, due to the multiplicity of different buildings existing as a result of the above explained situation. In the DoW it was stated a target group of 500 dwellings and 150 of control group. A specific internal report has been prepared to explain it. Balancing the target and control group will mean to offer the access to ICT means to 350 users instead of 550. Access to information is forecasted through TDT MHP decoder or WEB access. This new definition of control group will mean in average less TDT MHP decoders, so part of the budget dedicated to MHP decoders for the Spanish pilot will not be executed for this purpose.
- EPSA has reported less persons/month due to the late incorporation to the project and internal organizational issues.
- Detea has reported fewer persons/months than expected. The time needed to define the different scenarios of the pilot due to the problems found in Las Flores, has delay the time by when the work done by WINDINERTIA has been ready. As far as Detea is reviewing the proposals made by WINDINERTIA, and WINDINERTIA depends also from the definition of the scenarios, at the end Detea could not do the forecasted persons/month. However, this situation is not impacting the activity of Task 3.6 “District Solutions”. This activity is executed from M1 to M30 and it is having security time slots inside it, so even if DETEA has used fewer resources in P1 it is not impacting the schedule of T3.6.

3.7 Any changes to the legal status of any of the beneficiaries, in particular non-profit public bodies, secondary and higher education establishments, research organisations and SMEs status

No changes to the legal status of the beneficiaries.

4 Financial Report

This part is only mandatory for projects using actual cost re-imbursement. The tables below are given for reference and explanations. A spreadsheet version of the tables will be provided, which should be filled and uploaded.

4.1 Overview Person-Month Status with Planned = total effort planned for the project

Workpackage	WP1		WP2		WP3		WP4		WP5		WP6		WP7 (**)		TOTAL per Beneficiary	
	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual total	Planned total
CITIC (Coordinator)	3,90	9,00			7,50	45,80								2,00	11,40	56,80
ANDERSON BROWN **(*)**	0,44	3,00							6,57	30,00	0,13	1,00	0,01	1,00	7,15	35,00
CSTV	0,20	0,50			3,06	19,60									3,26	20,10
DETEA	0,17	0,50			0,94	13,20									1,11	13,70
EMASA	0,19	0,50			6,32	16,35									6,51	16,85
ENDESA	0,19	0,50			6,15	39,80									6,34	40,30
HTC	0,23	2,00	1,49	10,60				2,00	0,11	2,00	0,44	7,00			2,27	23,60
HABITEC	0,80	2,00			7,97	48,00	1,17	7,00	0,70	3,07	0,50	8,70		1,35	11,14	70,12
PARTENORD			0,48	19,30									0,10	1,00	0,58	20,30

PAS DE CALAIS HABITAT			0,75	27,00						0,60				1,00	0,75	28,60
USH		2,00											2,63	19,00	2,63	21,00
WINDINERTIA		0,50			2,66	25,90	0,33	4,00							2,99	30,40
EPSA	0,14	0,50			5,70	53,20									5,84	53,70
NKE			4,58	4,70										2,40	4,58	7,10
TOTAL	6,26	21,00	7,30	61,60	40,30	261,85	1,50	13,00	7,38	35,67	1,07	16,70	2,74	27,75	66,55	437,57

Actual = number of person months consumed from the beginning of the project to the end of this period

Planned = total effort planned for the project in the latest version of the description of work - annex I to the grant agreement.

- **(*)** Please note that personnel costs / resource use allocation calculations for Tashweka Anderson (Anderson Brown Ltd) are based on the lump-sum/flat-rate/Marie Currie rates for SME owners using the details below:
  - Researcher category: Experienced researcher (4-10 years)
  - Country of residence: UK
  - Year of publication of the call: 2010
  - Annual allowance: € 56,400.00
  - Productive hours: 1575
  - Correction coefficient /100: 125.6 /100
  - Hourly rate: € 44.98

- (**) In WP 7 the overspent of HTC and the under-spent of USH can be explained by the fact that HTC is acting as subsidiary of USH in the French Social Housing group and staff members like Nathalie Pilat detto Braïda being employed by both organisations.
  Delays have been accumulated since the project began in WP7, mainly due to staff problems. Since July 2011, the number of people working for this WP at USH has evolved from 3 people at full time to 2 person working 4/5. Eva Pinaut, who was the main resource of partner USH for the work of dissemination has resigned and since Month 7 Carine Puyol, who was the USH responsible for dissemination is absent for medical reasons. As these people has/will not been replaced, the work could not be conducted according to what had been planned.

  Steering Committee is now deliberating on the opportunity to make a new amendment in order to implement a budget shift between USH and HTC (which should introduce new resources) for WP7.

  Those partners with an under-spent in RP1 are involved in pilot sites which face a delay in carrying out evaluation activities. The resources originally foreseen for RP1 are to be spent in the next reporting period.

4.2 Overview Person-Month Status with Planned = estimated total effort planned for this period

This new version of the table shows the estimated planned MM till this period (Reporting Period 1)

Workpackage	WP1		WP2		WP3		WP4		WP5		WP6		WP7 (**)		TOTAL per Beneficiary	
	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual total	Planned total
CITIC (Coordinator)	3,90	3,60			7,50	7,08								0,54	11,40	11,22
ANDERSON BROWN **(*)**	0,44	1,20							6,57	8,57	0,13	0,45	0,01	0,27	7,15	10,49

CSTV	0,20	0,20			3,06	3,03									3,26	3,23
DETEA	0,17	0,20			0,94	2,04									1,11	2,24
EMASA	0,19	0,20			6,32	2,52									6,51	2,72
ENDESA	0,19	0,20			6,15	6,15									6,34	6,35
HTC	0,23	0,80	1,49	1,29				1,15	0,11	0,57	0,44	3,14			2,27	6,95
HABITEC	0,80	0,80			7,97	7,41	1,17	2,15	0,70	0,44	0,50	3,91		0,36	11,14	15,07
PARTENORD			0,48	2,35									0,10	0,27	0,58	2,62
PAS DE CALAIS HABITAT			0,75	3,29						0,09				0,27	0,75	3,65
USH		0,80											2,63	5,14	2,63	5,94
WINDINERTIA		0,20			2,66	4,01	0,33	1,23							2,99	5,44
EPSA	0,14	0,20			5,70	8,22									5,84	8,42
NKE			4,58	0,57										0,65	4,58	1,22
TOTAL	6,26	8,40	7,30	7,50	40,30	40,46	1,50	4,53	7,38	9,67	1,07	7,50	2,74	7,50	66,55	85,56

Actual = number of person months consumed from the beginning of the project to the end of this period

Planned = estimated total effort planned for this period.

4.3 Explanation of the use of the resources

TABLE 3.1 PERSONNEL, SUBCONTRACTING AND OTHER MAJOR COST ITEMS FOR BENEFICIARY 1 (CITIC) FOR THE PERIOD

Work Package	Item description	Amount	Explanations
	Personnel costs	**39358**	- WP1. Project Coordination - WP3. Participation in the deliverable D3.1 Description of the prototype - WP3. Participation in the deliverable D3.2 Description of the service solution
	Subcontracting		
	Other specific direct costs	867	- Travel costs to Brussels for Alejandro Varas (24/04/2011) - Flight costs to Brussels for Alejandro Varas (20/05/2011)
	Indirect costs	11807	
TOTAL DIRECT COSTS AS CLAIMED IN FIANCIAL STATEMENT		52032	

Detailed CITIC Personnel costs:

Name	Tasks performed by each person	Annual hours (1)	Period		Annual salary + Social security charges (2)	Hour cost (3)=(2)/(1)	Worked hours (4)	Total cost in Euros (5)=(3)*(4)
Alejandro Varas	WP1. Project Coordination	1674	01/03/2011	31/01/2012	€ 25.073,27	14,98 €	200,0	2996
Ana Cabello	WP1. Project Coordination	1480	01/01/2012	31/03/2012	€ 44.488,01	30,06 €	310,0	9318
Jose Ramón Salinas	WP3. Participation in the deliverable D3.1 Description of the prototype	1674	01/03/2011	31/01/2012	€ 70.468,32	42,10 €	200,0	8419
Jose Ramón Salinas	WP3. Participation in the deliverable D3.2 Description of the service solution	1480	01/02/2012	31/03/2012	€ 64.348,90	43,48 €	120,0	5217
Bernardo Ruiz	WP3. Participation in the deliverable D3.1 Description of the	1674	01/03/2011	31/01/2012	€ 32.797,55	19,59 €	350,0	6857

	prototype							
Bernardo Ruiz	WP3. Participation in the deliverable D3.2 Description of the service solution	1480	01/02/2012	31/03/2012	€ 30.294,48	20,47 €	320,0	6550
	TOTALS							**39358**

TABLE 3.2 PERSONNEL, SUBCONTRACTING AND OTHER MAJOR COST ITEMS FOR BENEFICIARY 2 (ANDERSON BROWN) FOR THE PERIOD

Work Package	Item description	Amount	Explanations
	Personnel costs	42.214	- WP1; Tasks 1.2 - project kick-off in Malaga, Spain; Steering Committee meetings - WP5; T5.1, T5.2 - User experience report & baseline survey research - WP1; Tasks 1.1, 1.2, Steering Committee meetings; D1.1 ; Contribution to quality management plan - WP5; Tasks 5.1, 5.2, 5.3 - Research and writing for user experience report; Research for user baseline survey; Research for user engagement strategies; D5.1 - User experience recommendations report submitted; D5.2 and D5.3 are in progress. - WP6; Task 6.1 - Contribution to D6.1 - WP7; Task 7.1 - Contribution to D7.1
	Subcontracting		
	Other specific direct costs	521	- Taxi from home in London to train station for Tashweka Anderson. (Project kick-off meeting, 7/04/2011) - Train to Gatwick airport for Tashweka Anderson (Project kick-off meeting, 7/04/2011) - Flight - London to Malaga - 7-9 April 2011 for Tashweka Anderson (Project kick-off meeting) - Water - Gatwick airport for Tashweka Anderson (Project kick-off meeting, 7/04/2011) - Breakfast - Gatwick airport for Tashweka Anderson (Project kick-off meeting, 7/04/2011) - Taxi - Malaga airport to hotel for Tashweka Anderson (Project kick-off meeting,

			7/04/2011) - Hotel - Malaga for Tashweka Anderson (Project kick-off meeting,7th - 8th April 2011) - Lunch - 7/04/2011 for Tashweka Anderson (Project kick-off meeting, 7/04/2011) - Breakfast - 8/04/2011 for Tashweka Anderson (Project kick-off meeting) - Dinner - 8/04/2011 for Tashweka Anderson (Project kick-off meeting) - Bus to Malaga airport 8/04/2011 for Tashweka Anderson (Project kick-off meeting) - Train - Gatwick airport to home 8/04/2011 for Tashweka Anderson (Project kick-off meeting) - Train - Methodology workshop - Brussels - 17 May 2011 for Tashweka Anderson - Metro - Brussels Midi to workshop (rtn) - Methodology workshop - Brussels - 17 May 2011 for Tashweka Anderson - Breakfast tea - Methodology workshop - Brussels - 17 May 2011 for Tashweka Anderson - Lunch - Methodology workshop - Brussels - 17 May 2011 for Tashweka Anderson - Dinner - Methodology workshop - Brussels - 17 May 2011 for Tashweka Anderson
	Indirect costs	12.664	
TOTAL DIRECT COSTS AS CLAIMED IN FIANCIAL STATEMENT		55399	

Detailed Anderson Brown Personnel costs:

Name	Tasks performed by each person	Annual hours (1)	Period		Annual salary + Social security charges (2)	Hour cost (3)=(2)/(1)	Worked hours (4)	Total cost in Euros (5)=(3)*(4)
*Tashweka Anderson	WP1; Tasks 1.2 - project kick-off in Malaga, Spain; Steering Committee meetings	1575	01/03/2011	31/12/2011	N/A	€ 44,98	40,0	€ 1.799
*Tashweka Anderson	WP5; 5.1, 5.2 - User experience report & baseline survey research	1575	01/03/2011	31/12/2011	N/A	€ 44,98	481,5	€ 21.658
*Tashweka Anderson	WP1; Tasks 1.1, 1.2, Steering Committee meetings; D1.1 ; Contribution to quality management plan	1575	01/01/2012	01/03/2012	N/A	€ 44,98	17,5	€ 787

*Tashweka Anderson	WP5; Tasks 5.1, 5.2, 5.3 - Research and writing for user experience report; Research for user baseline survey; Research for user engagement strategies; D5.1 - User experience recommendations report submitted; D5.2 and D5.3 are in progress.	1575	01/01/2012	01/03/2012	N/A	€ 44,98	381,5	€ 17.160
*Tashweka Anderson	WP6; Task 6.1 - Contribution to D6.1	1575	01/01/2012	01/03/2012	N/A	€ 44,98	17,0	€ 765
*Tashweka Anderson	WP7; Task 7.1 - Contribution to D7.1	1575	01/01/2012	01/03/2012	N/A	€ 44,98	1,0	€ 45
	TOTALS						**938,5**	€ 42.214

TABLE 3.3 PERSONNEL, SUBCONTRACTING AND OTHER MAJOR COST ITEMS FOR BENEFICIARY 3 (CSTV) FOR THE PERIOD

Work Package	Item description	Amount	Explanations
	Personnel costs	17.592	- WP1. Support Project Coordination - WP3. Participation in the deliverable D3.1 Description of the prototype - WP3. Participation in the deliverable D3.2 Description of the service solution
	Subcontracting		
	Other specific direct costs		
	Indirect costs	5277	
TOTAL DIRECT COSTS AS CLAIMED IN FIANCIAL STATEMENT		22869	

Detailed CSTV Personnel costs:

Name	**Tasks performed by each person**	**Annual hours (1)**	**Period**	**Annual salary + Social security charges (2)**	**Hour cost (3)=(2)/(1)**	**Worked hours (4)**	**Total cost in Euros (5)=(3)*(4)**

Jose Enrique Zamorano	WP1. Support Project Coordination	1540	01/03/2011	31/03/2012	€ 87.819,52	57,03 €	26,0	1.483
Jose Enrique Zamorano	WP3. Participation in the deliverable D3.1 Description of the prototype	1540	01/03/2011	31/01/2012	€ 87.819,52	57,03 €	40,0	2.281
Rafael Muñoz Moyano	WP3. Participation in the deliverable D3.1 Description of the prototype	1540	01/03/2011	31/01/2012	€ 59.896,13	38,89 €	104,0	4.045
Antonio Garcia del Olmo	WP3. Participation in the deliverable D3.1 Description of the prototype	1540	01/02/2012	31/03/2012	€ 60.667,25	39,39 €	118,0	4.649
Rafael Muñoz Moyano	WP3. Participation in the deliverable D3.2 Description of the service solution	1540	01/03/2011	31/01/2012	€ 59.896,13	38,89 €	53,0	2.061
Antonio Garcia del Olmo	WP3. Participation in the deliverable D3.2 Description of the service solution	1540	01/02/2012	31/03/2012	€ 60.667,25	39,39 €	78,0	3.073
	TOTALS							**17.592**

TABLE 3.4 PERSONNEL, SUBCONTRACTING AND OTHER MAJOR COST ITEMS FOR BENEFICIARY 6 (DETEA) FOR THE PERIOD

Work Package	Item description	Amount	Explanations
	Personnel costs	4387	- T.1.3. Reporting to the WPL Windinertia, collaborating/participating into the General Assembly Meeting - T.1.1. Developing the Technical and financial internal reports (justification) - T.3.6. Carrying out energy auditory in "Las Flores" neighbourhood - T.3.6. Revision of the solution proposed by Windinertia. - T.3.6. Revision of the solution proposed by Windinertia
	Subcontracting		
	Other specific direct costs		
	Indirect costs	1316	
TOTAL DIRECT COSTS AS CLAIMED IN FIANCIAL STATEMENT		5703	

Detailed DETEA Personnel costs:

Name	Tasks performed by each person	Annual hours (1)	Period		Annual salary + Social security charges (2)	Hour cost (3)=(2)/(1)	Worked hours (4)	Total cost in Euros (5)=(3)*(4)
Javier Cortés del Niño	T.1.3. Reporting to the WPL Windinertia, collaborating/participating into the General Assembly Meeting	1738	01/03/2011	31/03/2012	€ 47.786,74	27,5	13,0	357
Javier Cortés del Niño	T.1.1. Developing the Technical and financial internal reports (justification)	1738	01/03/2011	31/03/2012	€ 47.786,74	27,5	13,0	357
Javier Cortés del Niño	T.3.6. Carring out energy auditory in "las flores" neighborhood	1738	01/03/2011	31/03/2012	€ 47.786,74	27,5	61,5	1.691
Javier Cortés del Niño	T.3.6. revision of the solution proposed by Windinertia.	1738	01/03/2011	31/03/2012	€ 47.786,74	27,5	71,5	1.966
Marwan Fatuhi Yousif	T.3.6. revision of the solution proposed by Windinertia.	450	01/12/2011	31/01/2012	€ 7.263,76	16,16	1,0	16
	TOTALS	**7402**			**€ 198.410,72**	**126,16**	**160**	**4.387**

TABLE 3.5 PERSONNEL, SUBCONTRACTING AND OTHER MAJOR COST ITEMS FOR BENEFICIARY 7 (EMASA) FOR THE PERIOD

Work Package	Item description	Amount	Explanations
	Personnel costs	42359	- WP1 Administrative, contractual and day-to-day coordination. - WP1 Assistance to the project Coordinator. - WP3 Selection of dwellings involved in the project. - WP3 Interface specification to pass data of the consumption water meters. - WP3 Study the deployment of communications infrastructure to provide remote reading service to selected areas of Las Flores, Cruz Verde and Capuchinos.
	Subcontracting		

	Other specific direct costs		
	Indirect costs	2613	
TOTAL DIRECT COSTS AS CLAIMED IN FIANCIAL STATEMENT		57679	

Detailed EMASA Personnel costs:

Name	Tasks realized by each person	Annual hours (1)	Period		Annual salary + Social security charges (2)	Hour cost (3)=(2)/(1)	Worked hours (4)	Total cost in Euros (5)=(3)*(4)
Francisco José Ruiz Sánchez	(WP1) Adminsitrative, contractual and day-to-day coordination	1.519	03/2011	03/2012	€ 99.588,42	€ 65,56	12,65	829
	(WP1) Assitance to the project leader	1.519	03/2011	03/2012	€ 99.588,42	€ 65,56	12,65	829
	(WP3) Selection of dwellings involved in the project	1.519	03/2011	03/2012	€ 99.588,42	€ 65,56	144,00	9441
	(WP3) Interface specification to pass data of the consumption water meters	1.519	03/2011	03/2012	€ 99.588,42	€ 65,56	336,01	22029
Ángel Medina Nieto	(WP3) Study the deployment of communications infrastructure to provide remote reading service to selected areas of Las Flores, Cruz Verde and Capuchinos	1.519	03/2011	03/2012	€ 43.814,09	€ 28,84	320,00	9230
	TOTALS							**42359**

TABLE 3.6 PERSONNEL, SUBCONTRACTING AND OTHER MAJOR COST ITEMS FOR BENEFICIARY 8 (ENDESA) FOR THE PERIOD

Work Package	Item description	Amount	Explanations
	Personnel costs	57184	- WP3 Contribution to the D.3.1: Description of the prototype - WP3 Contribution to the D 3.2: Description of the service solution - WP1: Assistance to the Project Coordinator T1.1 & T1.3

	Subcontracting		
	Other specific direct costs		
	Indirect costs	17155	
TOTAL DIRECT COSTS AS CLAIMED IN FIANCIAL STATEMENT		74339	

Detailed ENDESA Personnel costs:

Name	Tasks realized by each person	Annual hours (1)	Period		Annual salary + Social security charges (2)	Hour cost (3)=(2)/(1)	Worked hours (4)	Total cost in Euros (5)=(3)*(4)
Robert Denda	D.3.1: Description of the prototype	1696	01/03/2011	30/03/2012	€ 108.000,00	63,67924528	580,0	36.934
Jesus Biscarri	D 3.2: Description of the service solution	1696	01/03/2011	30/03/2012	€ 108.000,00	63,67924528	290,0	18.467
Jesus Biscarri	WP1: T1.1 + T1.3	1696	01/03/2011	30/03/2012	€ 108.000,00	63,67924528	28,0	1.783
	TOTALS							**57.184**

TABLE 3.7 PERSONNEL, SUBCONTRACTING AND OTHER MAJOR COST ITEMS FOR BENEFICIARY 10 (HTC) FOR THE PERIOD

Work Package	Item description	Amount	Explanations
	Personnel costs	21508	- WP1, WP2, WP5, WP6
	Subcontracting		
	Other specific direct costs	270	- Travel costs, EnergyTIC Steering Committee + Kick-Off meeting Malaga (Spain) for Nathalie Pilat (7-8/04/11) - Travel costs, WP2 : PDCH pilot implementation visit for Nathalie Pilat (06/02/2012)
	Indirect costs	6452	
TOTAL DIRECT COSTS AS CLAIMED IN FIANCIAL STATEMENT		28230	

Detailed HTC Personnel costs:

Name	Tasks realized by each person	Annual hours (1)	Period		Annual salary + Social security charges (2)	Hour cost (3)=(2)/(1)	Worked hours (4)	Total cost in Euros (5)=(3)*(4)
Nathalie Pilat detto Braïda	WP1	1537,5	01/03/2011	31/03/2012	€ 114.174,00	74,26	**30,1**	2.233
Nathalie Pilat detto Braïda	WP2	1537,5	01/03/2011	31/03/2012	€ 114.174,00	74,26	**92,4**	6.862
Nathalie Pilat detto Braïda	WP5	1537,5	01/03/2011	31/03/2012	€ 114.174,00	74,26	**15,0**	1.114
Nathalie Pilat detto Braïda	WP6	1537,5	01/03/2011	31/03/2012	€ 114.174,00	74,26	**36,0**	2.673
Michel Steers	WP2	1153,125	01/03/2011	30/06/2011	€ 131.133,00	113,72	**15,0**	1.706
Michel Steers	WP6	1153,125	01/03/2011	30/06/2011	€ 131.133,00	113,72	**7,5**	853
Rémi Pontonnier	WP6	1537,5	01/05/2011	31/03/2012	€ 118.975,00	77,38	**11,3**	871
Emmanuelle Bonetti	WP2	1537,5	01/03/2011	31/03/2012	€ 101.451,00	65,98	**78,8**	5.196
	TOTALS							**21.508**

TABLE 3.8 PERSONNEL, SUBCONTRACTING AND OTHER MAJOR COST ITEMS FOR BENEFICIARY 11 (HABITEC) FOR THE PERIOD

Work Package	Item description	Amount	Explanations
	Personnel costs	52.181	- WP1 Assistance to the project leader - WP1 Spanish cluster management - WP3 Cluster coordination, Service definition & group creation, End to end communication channel, District solutions - WP3 Service definition & group creation, District solutions - WP4 Definition of the information to be obtained from each pilot - WP5 User experience Evidence review

			- WP6 Evaluation planning - WP3 Service definition & group creation
	Subcontracting		
	Other specific direct costs	1.770	- Lorena Druet & Rafael Abad travel to Seville 31/03/2011 - Kick-off meeting (catering) 7/4/2011 - Kick-off meeting (Team dinner) 7/4/2011 - Rafael Abad Subsistence 27/04/2011 - Jose Luis Casado & Rafael Abad travel to Seville 30/04/2011 - Rafael Abad workshop on methodology (Brussels) Hotel 16/05/2011 - Rafael Abad workshop on methodology (Brussels) Flight ticket (go) 16/05/2011 - Rafael Abad workshop on methodology (Brussels) Flight ticket (return) 16/05/2011 - Rafael Abad travel to Seville 31/05/2011 - Rafael Abad & Jose Luis Casado travel to Seville 31/12/2011
	Indirect costs	15.654	
TOTAL DIRECT COSTS AS CLAIMED IN FIANCIAL STATEMENT		69.605	

Detailed HABITEC Personnel costs:

Name	Tasks realized by each person	Annual hours (1)	Period		Annual salary + Social security charges (2)	Hour cost (3)=(2)/(1)	Worked hours (4)	Total cost in Euros (5)=(3)*(4)
Jose-Luis Casado	WP1 Assitance to the project leader	1.723	March 11	Dec 11	€ 74.729	€ 43,4	41	1.778
Rafael Abad	WP1 Spanish cluster management	1.723	March 11	Dec 11	€ 62.229	€ 36,1	25	903
Rafael Abad	WP3 Cluster coordination, Service definition & group creation, End to end communication channel, District solutions	1.723	March 11	Dec 11	€ 62.229	€ 36,1	388	14.013
Laurence Druet	WP3 Service definition & group creation, District solutions	1.496	March 11	Dec 11	€ 41.433	€ 27,7	221	6.119
Jose-Luis Casado	WP4 Definition of the information to be obtained from each pilot	1.723	March 11	Dec 11	€ 74.729	€ 43,4	24	1.041
Laurence Druet	WP4 Definition of the information to be obtained from each pilot	1.496	March 11	Dec 11	€ 41.433	€ 27,7	58	1.606

Rafael Abad	WP5 User experience Evidence review	1.723	March 11	Dec 11	€ 62.229	€ 36,1	57	2.059
Jose-Luis Casado	WP6 Evaluation planning	1.723	March 11	Dec 11	€ 74.729	€ 43,4	41	1.778
Jose-Luis Casado	WP1 Assitance to the project leader	1.723	Jan 12	March 12	€ 82.352	€ 47,8	31	1.482
Rafael Abad	WP1 Spanish cluster management	1.723	Jan 12	March 12	€ 63.659	€ 36,9	18	665
Laurence Druet	WP3 Service definition & group creation	1.378	Jan 12	March 12	€ 42.917	€ 31,1	185	5.760
Rafael Abad	WP3 Cluster coordination, Service definition & group creation, End to end communication channel, District solutions	1.723	Jan 12	March 12	€ 63.659	€ 36,9	270	9.976
Laurence Druet	WP4 Definition of the information to be obtained from each pilot	1.378	Jan 12	March 12	€ 42.917	€ 31,1	62	1.930
Rafael Abad	WP5 User experience Evidence review	1.723	Jan 12	March 12	€ 63.659	€ 36,9	43	1.589
Jose-Luis Casado	WP6 Evaluation planning	1.723	Jan 12	March 12	€ 82.352	€ 47,8	31	1.482
	TOTAL						**1.495**	**52.181**

TABLE 3.9 PERSONNEL, SUBCONTRACTING AND OTHER MAJOR COST ITEMS FOR BENEFICIARY 12 (PARTENORD) FOR THE PERIOD (*)

Work Package	Item description	Amount	Explanations
	Personnel costs	4021	WP 2: • T2.2 & T2.3 • Workshop Angers (02/02/2012 and 03/02/2012) • French cluster Meeting 06/02/2012 • Phone Conferences • Design survey form • Realization of surveys on the site • Transmission of annual consumption of pilot sites • Transmission in the table of measures of living space • Response to questions concerning the

			administration of surveys • Transmission to Ana CABELLO of information about Partenord HABITAT (logo, Company characteristics)
	Subcontracting	152657	- Project management, creation and development of the digital platform, the software acquisition and centralization of information management software alerts, implementation of network infrastructure and communication.
	Other specific direct costs	8253	- Deposit for the provision of equipments (7792 €) - Travel costs: Lille - Angers - Lille for the French Workshop for Sylvie Dekyndt in Angers (31/01/2012) - Hotel in Angers for Sylvie Dekyndt (03/02/2012) - Parking Lille – French Workshop in Angers for Sylvie Dekyndt (03/02/2012) - Meal in Angers for Sylvie Dekyndt (02/02/2012) - Meal in Angers for Sylvie Dekyndt (03/02/2012)
	Indirect costs	1206	
TOTAL DIRECT COSTS AS CLAIMED IN FIANCIAL STATEMENT		166137	

Detailed PARTENORD Personnel costs:

Name	Tasks realized by each person	Annual hours (1)	Period		Annual salary + Social security charges (2)	Hour cost (3)=(2)/(1)	Worked hours (4)	Total cost in Euros (5)=(3)*(4)
Marie MIOLANE	WP2: T2-2	1755	01/03/2011	31/05/2011	71.797,05 €	40,91 €	35,0	1.432 €
Marie MIOLANE	WP2: T2-3	1755	01/03/2011	31/05/2011	71.797,05 €	40,91 €	7,4	304 €
Sylvie DEKYNDT	WP7: Workshop Angers (02/02/2012 and 03/02/2012)	1755	01/12/2011	31/03/2012	92.246,17 €	52,56 €	15,0	788 €
Sylvie DEKYNDT	WP2: French cluster 06/02/2012	1755	01/12/2011	31/03/2012	92.246,17 €	52,56 €	4,0	210 €
Sylvie DEKYNDT	WP2: Phone Conferences	1755	01/12/2011	31/03/2012	92.246,17 €	52,56 €	3,0	158 €
Sylvie DEKYNDT + DIRECTION OF COMMUNIC	WP2: design survey form	1755	01/12/2011	31/03/2012	92.246,17 €	52,56 €	8,0	420 €

ATION								
David WYDOOGHE	WP2: realization of surveys on the site	1755	01/12/2011	31/03/2012	92.246,17 €	52,56 €	8,0	420 €
SYLVIE DEKYNDT	WP2: transmission of annual consumption of pilot sites	1755	01/12/2011	31/03/2012	92.246,17 €	52,56 €	2,0	105 €
SYLVIE DEKYNDT	WP2: transmission in the table of measures of living space	1755	01/12/2011	31/03/2012	92.246,17 €	52,56 €	1,0	53 €
SYLVIE DEKYNDT	WP2: response to questions concerning the administration of surveys	1755	01/12/2011	31/03/2012	92.246,17 €	52,56 €	2,0	105 €
SYLVIE DEKYNDT	WP7: transmission to Ana CABELLO of information about Partenord HABITAT. (logo, Company charactéristics)	1755	01/12/2011	31/03/2012	92.246,17 €	52,56 €	0,5	26 €
	TOTALS						**86**	**4.021 €**

TABLE 3.10 PERSONNEL, SUBCONTRACTING AND OTHER MAJOR COST ITEMS FOR BENEFICIARY 13 (PAS DE CALAIS HABITAT) FOR THE PERIOD

Work Package	Item description	Amount	Explanations
	Personnel costs	3897	WP2
	Subcontracting		
	Other specific direct costs	2476	- Mileage allowances from home to Arras and from Arras to home - Kickoff Meeting Malaga for Jérôme Capelle and Alain Gressier 07/04/2011 - Parking of Airport - Kickoff Meeting Malaga - for Jérôme Capelle and Alain Gressier 07/04/2011 - Toll to go to Airport - Kickoff Meeting Malaga for Jérôme Capelle and Alain Gressier 07/04/2011 - Toll to come back from airport - Kickoff Meeting Malaga for Jérôme Capelle and Alain Gressier 09/04/2011

			- Taxi from Airport to Malaga hotel Kickoff Meeting Malaga for Jérôme Capelle and Alain Gressier 07/04/2011 - Taxi from Malaga to Airport Kickoff Meeting Malaga for Jérôme Capelle and Alain Gressier 09/04/2011 - Hotel costs of Jérôme Capelle and Alain Gressier Kickoff Meeting Malaga 09/04/2011 - Airport meals - Kickoff Meeting Malaga for Jérôme Capelle and Alain Gressier 07/04/2011 - Flights tickets for Jérôme Capelle and Alain Gressier - Kickoff Meeting Malaga 24/03/2011 - Train tickets for Jérôme Capelle and Alain Gressier - French Cluster meeting 24/05/2011 - Meal - French Cluster meeting for Jérôme Capelle and Alain Gressier 06/02/2012
	Indirect costs	1169	
TOTAL DIRECT COSTS AS CLAIMED IN FIANCIAL STATEMENT		7542	

Detailed PAS DE CALAIS HABITAT Personnel costs:

Name	Tasks realized by each person	Explanations	Annual hours (1)	Period		Annual salary + Social security charges (2)	Hour cost (3)=(2)/(1)	Worked hours (4)	Total cost in Euros (5)=(3)*(4)
CAPELLE Jérôme	WP2	Pedagogical approach 09/03/2011	1880,28	01/03/2011	31/12/2011	70.492,00 €	37,49 €	4,0	150 €
GRESSIER Alain	WP2	Pedagogical approach 09/03/2011	1880,28	01/03/2011	31/12/2011	52.827,26 €	28,10 €	4,0	112 €
CAPELLE Jérôme	WP2	Configuration of the sensors of flows and definitions of the analyzed means the uses of the tenants - 30/03/2011	1880,28	01/03/2011	31/12/2011	70.492,00 €	37,49 €	6,0	225 €
GRESSIER Alain	WP2	Configuration of the sensors of flows and definitions of the analyzed means the uses of the tenants - 30/03/2011	1880,28	01/03/2011	31/12/2011	52.827,26 €	28,10 €	6,0	169 €

CAPELLE Jérôme	WP2	Kick Off Meeting in Malaga 08/04/2011	1880,28	01/04/2011	31/12/2011	70.492,00 €	37,49 €	8,0	300 €
GRESSIER Alain	WP2	Kick Off Meeting in Malaga 08/04/2011	1880,28	01/04/2011	31/12/2011	52.827,26 €	28,10 €	8,0	225 €
CAPELLE Jérôme	WP2	Launching of prototype in Sarah - 09/12/2011	1880,28	01/12/2011	31/12/2011	70.492,00 €	37,49 €	7,0	262 €
GRESSIER Alain	WP2	Launching of prototype in Sarah - 09/12/2011	1880,28	01/12/2011	31/12/2011	52.827,26 €	28,10 €	7,0	197 €
CAPELLE Jérôme	WP2	Phone Conference 21/12/2011	1880,28	01/12/2011	31/12/2011	70.492,00 €	37,49 €	1,0	37 €
GRESSIER Alain	WP2	Phone Conference 21/12/2011	1880,28	01/12/2011	31/12/2011	52.827,26 €	28,10 €	1,0	28 €
CAPELLE Jérôme	WP2	Phone Conference 04/01/2012	1880,28	01/01/2012	31/03/2012	70.492,00 €	37,49 €	1,0	37 €
GRESSIER Alain	WP2	Phone Conference 04/01/2012	1880,28	01/01/2012	31/03/2012	52.827,26 €	28,10 €	1,0	28 €
CAPELLE Jérôme	WP2	French cluster 06/02/2012	1880,28	01/01/2012	31/03/2012	70.492,00 €	37,49 €	4,0	150 €
GRESSIER Alain	WP2	French cluster 06/02/2012	1880,28	01/01/2012	31/03/2012	52.827,26 €	28,10 €	4,0	112 €
CAPELLE Jérôme	WP2	meeting in Arras site 15/02/2012	1880,28	01/01/2012	31/03/2012	70.492,00 €	37,49 €	1,0	37 €
GRESSIER Alain	WP2	meeting in Arras site 15/02/2012	1880,28	01/01/2012	31/03/2012	52.827,26 €	28,10 €	1,0	28 €
CAPELLE Jérôme	WP2	meeting in Hénin Beaumont site 17/02/2012	1880,28	01/01/2012	31/03/2012	70.492,00 €	37,49 €	4,0	150 €
GRESSIER Alain	WP2	meeting in Hénin Beaumont site 17/02/2012	1880,28	01/01/2012	31/03/2012	52.827,26 €	28,10 €	4,0	112 €
CAPELLE Jérôme	WP2	Technical meeting in Arras site 06/03/2012	1880,28	01/01/2012	31/03/2012	70.492,00 €	37,49 €	4,0	150 €

GRESSIER Alain	WP2	Technical meeting in Arras site 06/03/2012	1880,28	01/01/2012	31/03/2012	52.827,26 €	28,10 €	4,0	112 €
CAPELLE Jérôme	WP2	Technical meeting in Hénin Beaumont site 07/03/2012	1880,28	01/01/2012	31/03/2012	70.492,00 €	37,49 €	4,0	150 €
CAPELLE Jérôme	WP2	Technical meeting in Hénin Beaumont site with Emergences 62 07/03/2012	1880,28	01/01/2012	31/03/2012	70.492,00 €	37,49 €	4,0	150 €
GRESSIER Alain	WP2	Technical meeting in Hénin Beaumont site with Emergences 62 07/03/2012	1880,28	01/01/2012	31/03/2012	52.827,26 €	28,10 €	4,0	112 €
CAPELLE Jérôme	WP2	sociological approach in Hénin Beaumont site 13/03/2012	1880,28	01/01/2012	31/03/2012	70.492,00 €	37,49 €	4,0	150 €
GRESSIER Alain	WP2	sociological approach in Hénin Beaumont site 13/03/2012	1880,28	01/01/2012	31/03/2012	52.827,26 €	28,10 €	4,0	112 €
CAPELLE Jérôme	WP2	adjustment meeting 13/03/2012	1880,28	01/01/2012	31/03/2012	70.492,00 €	37,49 €	4,0	150 €
GRESSIER Alain	WP2	adjustment meeting 13/03/2012	1880,28	01/01/2012	31/03/2012	52.827,26 €	28,10 €	4,0	112 €
CAPELLE Jérôme	WP2	Phone Conference14/03/2012	1880,28	01/01/2012	31/03/2012	70.492,00 €	37,49 €	1,0	37 €
CAPELLE Jérôme	WP2	Phone Conference 28/03/2012	1880,28	01/01/2012	31/03/2012	70.492,00 €	37,49 €	1,0	37 €
CAPELLE Jérôme	WP2	Intent adaptation monitoring 29/03/2012	1880,28	01/01/2012	31/03/2012	70.492,00 €	37,49 €	4,0	150 €
GRESSIER Alain	WP2	Intent adaptation monitoring 29/03/2012	1880,28	01/01/2012	31/03/2012	52.827,26 €	28,10 €	4,0	112 €

	TOTALS							**118**	**3.897 €**

TABLE 3.11 PERSONNEL, SUBCONTRACTING AND OTHER MAJOR COST ITEMS FOR BENEFICIARY 14 (USH) FOR THE PERIOD

Work Package	Item description	Amount	Explanations
	Personnel costs	24300	- WP7
	Subcontracting	2000	- WP7: EnergyTIC website creation (down payment)
	Other specific direct costs		
	Indirect costs	7290	
TOTAL DIRECT COSTS AS CLAIMED IN FIANCIAL STATEMENT		33590	

Detailed USH Personnel costs:

Name	**Tasks realized by each person**	**Annual hours (1)**	**Period**		**Annual salary + Social security charges (2)**	**Hour cost (3)=(2)/(1)**	**Worked hours (4)**	**Total cost in Euros (5)=(3)*(4)**
Carine Puyol	WP7	1230	01/03/2011	31/03/2012		90	270,0	24.300
	TOTALS							**24.300**

TABLE 3.12 PERSONNEL, SUBCONTRACTING AND OTHER MAJOR COST ITEMS FOR BENEFICIARY 15 (WINDINERTIA) FOR THE PERIOD

Work Package	Item description	Amount	Explanations
WP3 & WP4	Personnel costs	8671	- D.3.1. Coordination and drafting of the document D.3.1. Development proposals for improvement D.3.1. Pre-audit inspections and analysis of documentation of buildings D.4.1. Review of measurement systems and drafting of deliverable

	Subcontracting		
	Other specific direct costs		
	Indirect costs	2602	
TOTAL DIRECT COSTS AS CLAIMED IN FIANCIAL STATEMENT		11273	

Detailed WINDINERTIA Personnel costs:

Name	Tasks realized by each person	Annual hours (1)	Period		Annual salary + Social security charges (2)	Hour cost (3)=(2)/(1)	Worked hours (4)	Total cost in Euros (5)=(3)*(4)
Antonio Guillen	D.3.1. Coordination and deliverable contribution.	1800	01/01/2011	31/03/2012	€ 42.436,74	23,58	150,0	3.536
Isaac Gil Mera	D3.1 Development proposals for improvement.	1800	01/01/2011	31/03/2012	€ 36.201,23	20,11	150,0	3.017
Rafael Gonzalez Nieves	D3.1 Pre-audit inspections and analysis of documentation of buildings.	1800	01/01/2011	31/03/2012	€ 25.423,26	14,12	100,0	1.412
Rafael Gonzalez Nieves	D4.1 Review of measurement systems and deliverable contribution	1800	01/01/2011	31/03/2012	€ 25.423,26	14,12	50,0	706
	TOTALS							**8.671**

TABLE 3.13 PERSONNEL, SUBCONTRACTING AND OTHER MAJOR COST ITEMS FOR BENEFICIARY 16 (EPSA) FOR THE PERIOD

Work Package	Item description	Amount	Explanations
	Personnel costs	26273	- WP1 - Coordination and managing tasks (signatures, documents approvals) - WP1 - Attendance to Meetings - managing and administrative tasks - WP1 - Financial and technical report

			- WP1 - Legal Assessment - WP3 - Coordination and checking information and documents - WP3 - D3.1 Collaboration on deliverable - WP3 - D3.1 and D3.2 Checking information concerning deliverable - WP3 - T3.2: Service definition and group creation - WP3 - Legal Assessment on residents authorisations - WP3 - T3.2: Coordination on Malaga's neighbourhoods
	Subcontracting		
	Other specific direct costs		
	Indirect costs	7881	
TOTAL DIRECT COSTS AS CLAIMED IN FIANCIAL STATEMENT		34154	

Detailed EPSA Personnel costs:

Name	Tasks realized by each person	Annual hours (1)	Period		Annual salary + Social security charges (2)	Hour cost (3)=(2)/(1)	Worked hours (4)	Total cost in Euros (5)=(3)*(4)
RAFAEL PAVÓN RODRÍGUEZ	WP1- coordination and managing tasks- signatures, documents approvals	1547	01/03/2011	31/12/2011	€ 82.117,66	53,08 €	1,0	53
RICARDO HERNÁNDEZ -SANJUÁN DE BUSTOS	WP1-Attendance to Meetings- managing and administrative tasks	1547	01/03/2011	31/12/2011	€ 65.509,48	42,35 €	4,0	169
ELSA PÉREZ CORDERO	WP1-Legal Assesment	1547	01/03/2011	31/12/2011	€ 53.483,41	34,57 €	1,0	35
MÓNICA HUANG DEL SÁZ-OROZCO	WP1-Attendance to Meetings- managing and administrative tasks	1547	01/03/2011	31/12/2011	€ 48.860,99	31,58 €	2,0	63
MARTA ROMERO GARCIA	WP1-Attendance to Meetings- managing and administrative tasks	1547	01/03/2011	31/12/2011	€ 49.769,39	32,17 €	2,0	64
RAFAEL PAVÓN RODRÍGUEZ	WP3- coordination and checking information and documents	1547	01/03/2011	31/12/2011	€ 82.117,66	53,08 €	28,0	1486

RICARDO HERNÁNDEZ -SANJUÁN DE BUSTOS	WP3- D3.1 Checking information concerning deliverable	1547	01/03/2011	31/12/2011	€ 65.509,48	42,35 €	66,0	2795
MÓNICA HUANG DEL SÁZ-OROZCO	WP3- D3.1 Collaboration on deliverable	1547	01/03/2011	31/12/2011	€ 48.860,99	31,58 €	104,0	3285
MARTA ROMERO GARCIA	WP3- D3.1 Collaboration on deliverable	1547	01/03/2011	31/12/2011	€ 49.769,39	32,17 €	61,0	1962
ELSA PÉREZ CORDERO	WP3-Legal Assesment	1547	01/03/2011	31/12/2011	€ 53.483,41	34,57 €	30,0	1037
DANIEL LEÓN GÓMEZ	WP3- D3.1 Collaboration on deliverable	1547	01/03/2011	31/12/2011	€ 53.948,55	34,87 €	51,0	1779
RICARDO HERNÁNDEZ -SANJUÁN DE BUSTOS	WP1-Attendance to Meetings- managing and administrative tasks	1547	01/01/2012	31/03/2012	€ 65.629,12	42,42 €	1,0	42
MÓNICA HUANG DEL SÁZ-OROZCO	WP1-Attendance to Meetings- managing and administrative tasks	1547	01/01/2012	31/03/2012	€ 35.042,54	22,65 €	2,0	45
MARTA ROMERO GARCIA	WP1-Attendance to Meetings- managing and administrative tasks- financial and technical report	1547	01/01/2012	31/03/2012	€ 50.254,31	32,49 €	5,0	162
RAFAEL PAVÓN RODRÍGUEZ	WP3- coordination and checking information and documents	1547	01/01/2012	31/03/2012	€ 82.237,30	53,16 €	8,0	425
RICARDO HERNÁNDEZ -SANJUÁN DE BUSTOS	WP3- D3.1 and D3.2 Checking information concerning deliverable	1547	01/01/2012	31/03/2012	€ 65.629,12	42,42 €	56,0	2376
MÓNICA HUANG DEL SÁZ-OROZCO	WP3- D3.1 Collaboration on deliverable T3.2 Service definition and group creation	1547	01/01/2012	31/03/2012	€ 35.042,54	22,65 €	70,0	1586
MARTA ROMERO GARCIA	WP3- D3.1 Collaboration on deliverable T3.2 Service definition and group creation	1547	01/01/2012	31/03/2012	€ 50.254,31	32,49 €	111,0	3606
ELSA PÉREZ CORDERO	WP3-Legal Assesement on residents	1547	01/01/2012	31/03/2012	€ 54.323,07	35,12 €	30,0	1053

	authorisations							
DANIEL LEÓN GÓMEZ	WP3- Collaboration on deliverable D3.1 WP3 Coordination on Málaga's neighbourhoods T3.2	1547	01/01/2012	31/03/2012	€ 54.793,47	35,42 €	70,0	2479
JORGE RUIZ GARCÍA	WP3- Collaboration on deliverable D3.1	1547	01/01/2012	31/03/2012	€ 54.793,47	35,42 €	50,00	1771
	TOTALS	**€ 32.487,00**			**€ 1.201.429,66**		**€ 753,00**	**26273**

TABLE 3.14 PERSONNEL, SUBCONTRACTING AND OTHER MAJOR COST ITEMS FOR BENEFICIARY 17 (NKE) FOR THE PERIOD

Work Package	Item description	Amount	Explanations
	Personnel costs	35936	- WP2. Architecture - WP2. Software organisation - WP2. Detail specifications - WP2. Software development - WP2. Specific electric implementation - WP2. Meetings and preparation - WP2. State of art; technology watch - WP2. General specifications
	Subcontracting		
	Other specific direct costs	52	- Train ticket Paris Arras - French Cluster meeting 06/02/2012 for Jean-Luc Malaval - Train ticket Paris Angers - French Cluster meeting 02/02/2012 for Jean-Luc Malaval
	Indirect costs	10.780	
TOTAL DIRECT COSTS AS CLAIMED IN FIANCIAL STATEMENT		46.768	

Detailed NKE Personnel costs:

Name	**Tasks realized by each person**	**Annual hours (1)**	**Period**		**Annual salary + Social security charges (2)**	**Hour cost (3)=(2)/(1)**	**Worked hours (4)**	**Total cost in Euros (5)=(3)*(4)**
Stephane DUTERTRE	WP2 : Architecture	1575	01/12/2011	31/12/2011	€ 86.404,00	54,86 €	35,0	1.920

Stephane DUTERTRE	WP2 : Software organisation	1575	01/12/2011	31/12/2011	€ 86.404,00	54,86 €	70,0	3.840
Stephane DUTERTRE	WP2 : Detail specifications	1575	01/01/2012	31/03/2012	€ 86.404,00	54,86 €	105,0	5.760
Stephane DUTERTRE	WP2 : Software development	1575	01/01/2012	31/03/2012	€ 86.404,00	54,86 €	126,0	6.912
Stephane DUTERTRE	WP2 : Specific electric implementation	1575	01/01/2012	31/03/2012	€ 86.404,00	54,86 €	84,0	4.608
J-Luc MALAVAL	WP2 : Meetings and preparation	1575	01/12/2011	31/03/2012	€ 111.604,00	70,86 €	28,0	1.984
J-Luc MALAVAL	WP2 : State of art; technology watch	1575	01/12/2011	31/12/2011	€ 111.604,00	70,86 €	70,0	4.960
J-Luc MALAVAL	WP2 : General specifications	1575	01/01/2012	31/03/2012	€ 111.604,00	70,86 €	84,0	5.952
	TOTALS							**35.936**

5 Bibliography

[1] EnergyTIC consortium, “Technology, Information and Communication services for engaging social housing residents in energy and water efficiency” Description of Work document.