

MED

(2007 - 2013)



Application Form

Strategic projects 2010 (2.2 energy efficiency)

Priority-Objective 2-2

Axe 2: Protection of the environment and promotion of a sustainable territorial development

Objective 2.2: Promotion and renewable energy and improvement of energy efficiency

ELIH-Med

Energy Efficiency in Low-income Housing in the Mediterranean

Submitted version

STC Programme MED

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1. Information for the drafting of the application

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Please read first the instructions under the 'help' before filling in the boxes.

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2. Official Stamps

I hereby certify that the information stated in this application is to the best of my knowledge accurate and true.

Signature :	
Name (Capital Letters):	MARCO CASAGNI
Function :	 Head of Technology Transfer Unit (ing. Marco Casagni)
Date:	27 th NOVEMBER 2012

Official Stamp



- I - GENERAL INFORMATION

1. Identification of the project

Identification

Title	Acronym	Program reference
Energy Efficiency in Low-income Housing in the Mediterranean	ELIH-Med	IS-MED10-029

Length of project

Project implementation starting date	Project implementation end date
2011-04-01	2014-12-31

Short description

ELIH-Med project objective is to identify and conduct a large scale experimentation of cost effective solutions and innovative public and private financing mechanisms backed with Structural Funds to foster energy efficiency investment in low income housings or household in a state of energy poverty. Project results will lead to elaborate an operational plan of coordination of European financial instruments in the context of a Mediterranean macroregional strategy 2014-2020.

2. Partnership

2.1 Partner list

National Agency for New Technologies, Energy and Sustainable Economic Development

Country	Eligibility Zone	Administrative code	Area	Legal type
ITALY	Med Partner	codice fiscale 01320740580 partita IVA 009858010	Lazio	State Body

Name	Type
MORENO Anna	Lead Partner

Mediterranean Institute

Country	Eligibility Zone	Administrative code	Area	Legal type
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FRANCE	Med Partner	403 509 847 00014	Provence-Alpes -Côte d'Azur	No profit organisation, association ...
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Name	Type
TOURRET Jean-claude	Local coordinator

Malaga City Council

Country	Eligibility Zone	Administrative code	Area	Legal type
SPAIN	Med Partner	P 2906700 F	Andalucía	Other Local Authority

Name	Type
MARIN COTS Pedro	Local coordinator

Institute for the Promotion of Technological innovation

Country	Eligibility Zone	Administrative code	Area	Legal type
ITALY	Med Partner	04038001006	Lazio	No profit organisation, association ...

Name	Type
Wen Guo	Local coordinator

Centre for Renewable Energy Sources and Saving

Country	Eligibility Zone	Administrative code	Area	Legal type
GREECE	Med Partner	EL090072876	Attiki	Other body (no profit organisation, association ...)

Name	Type
Papastefanakis Dimitris	Local coordinator

Malta Intelligent Energy Management Agency

Country	Eligibility Zone	Administrative code	Area	Legal type
MALTA	Med Partner	MT19160516	Malta	Other body (no profit organisation, association ...)

Name	Type
Buttigieg Ritianne	Local coordinator

Cyprus Energy Agency

Country	Eligibility Zone	Administrative code	Area	Legal type
CYPRUS	Med Partner	3227	Kypros	No profit organisation, association ...

Name	Type
CHARALAMBOUS ANTHI	Local coordinator

Jozef Stefan Institute

Country	Eligibility Zone	Administrative code	Area	Legal type
SLOVENIA	Med Partner	5051606	Slovenija	Other body (no profit organisation, association ...)

Name	Type
Podgornik Aleš	Local coordinator

LAORE SARDEGNA

Country	Eligibility Zone	Administrative code	Area	Legal type
ITALY	Med Partner	IT03122560927	Sardegna	Public Corporation

Name	Type
ROCCHITTA Massimo	Local coordinator

Valencia Institute of Building Foundation

Country	Eligibility Zone	Administrative code	Area	Legal type
SPAIN	Med Partner	G-46397691	Comunidad Valenciana	No profit organisation, association ...

Name	Type
Soto Francés Laura	Local coordinator

Municipality of Genoa

Country	Eligibility Zone	Administrative code	Area	Legal type
ITALY	Med Partner	00856930102	Liguria	Other Local Authority

Name	Type

RISSO Alessandra	Local coordinator
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CSTB - Building scientific and technical centre

Country	Eligibility Zone	Administrative code	Area	Legal type
FRANCE	Med Partner	n° SIRET: 7756882290002 7	Provence-Alpes -Côte d'Azur	Public Corporation

Name	Type
CACCAVELLI Dominique	Local coordinator

Languedoc Roussillon Regional Council

Country	Eligibility Zone	Administrative code	Area	Legal type
FRANCE	Med Partner	233 400 019 000 23	Languedoc-Rou ssillon	Region

Name	Type
POIRET Michel	Local coordinator

GERES- renewable energies, Environment and Solidarity Group

Country	Eligibility Zone	Administrative code	Area	Legal type
FRANCE	Med Partner	SIRET 314 152 836 00032	Provence-Alpes -Côte d'Azur	No profit organisation, association ...

Name	Type
JARNY Cyril	Local coordinator

Region of East Macedonia and Thrace

Country	Eligibility Zone	Administrative code	Area	Legal type
GREECE	Med Partner	VAT NO 090309884	Anatoliki Makedonia, Thraki	Region

Name	Type
Arseniou Spyros	Local coordinator

Municipality of Frattamaggiore

Country	Eligibility Zone	Administrative code	Area	Legal type
ITALY	Med Partner	Fiscal code : 80024820633	Campania	Other Local Authority

Name	Type
PRISCO STEFANO	Local coordinator

13 Habitat

Country	Eligibility Zone	Administrative code	Area	Legal type
FRANCE	Med Partner	78285569600020	Provence-Alpes -Côte d'Azur	Public Corporation

Name	Type
GUERINET GILLES	Local coordinator

Democritus University of Thrace - DUTH

Country	Eligibility Zone	Administrative code	Area	Legal type
GREECE	Med Partner	090028889	Anatoliki Makedonia, Thraki	Other body (no profit organisation, association ...)

Name	Type
Mpotsaris Pantelis	Local coordinator

Conference of Peripheral Maritime Regions

Country	Eligibility Zone	Administrative code	Area	Legal type
FRANCE	Non Med EU Partner	302 315 916 00031	Bretagne	No profit organisation, association ...

Name	Type
SCIACCA Giuseppe	Local coordinator

2.2 Typology of the partnership

	Type of partner	Partner typology	Role	Skills
National Agency for New Technologies, Energy and Sustainable Economic Development	institutionnal	Technological and scientific research center	ENEA as Lead Partner will provide the project with the human, technical, and financial resources necessary to appropriately manage and execute this project under the MED operating programme and in its own candidacy. It will specifically monitor the financial, administrative coordination tasks of the project (WP1).	ENEA is a leading agency in innovation technology research and energy - environment policy development, having a staff of around 4000 people. Agency's activities are targeted to research, innovation technology and advanced services in the fields of energy and sustainable economic development. Regarding building sector, ENEA has the capacity to conduct and promote development research and projects in new energy fields. Regarding the promotion of renewable energy, currently, the information and training service & Technology Transfer Unit takes part in the EU project Qualicert on the definition of a manual for the best use of renewable energies in Europe through the training of installers of renewable energies plants (solar, photovoltaic, geothermic and heat pumps, biomass). ENEA will then bring its experience and competence in all technical activities of ELIH-Med project.
Mediterranean Institute	institutionnal	Other	IM will be in charge of the capitalisation activities and the elaboration of the operational programme on energy efficiency in Mediterranean housing (WP3).	IM has developed expertise on territory policies and strategies within the Euro-Mediterranean region (Northern and Southern shores) highlighting the territorial issues (environment, transport, metropolisation) that contribute to the sustainability, competitiveness and cohesion of the Euro-Mediterranean region. IM has worked specifically on sustainable areas thanks to the MED project CAT-Med, and on governance transverse issue.

Malaga City Council	operationnal	Local Authority	The City of MALAGA through its Municipal housing Institute will participate to the elaboration of the financial packages and to the definition of the territorial action plan for experimentation (WP4). It will implement renovation experimentation in 60 dwellings in the city. The selected dwellings will focus on tenants in social housing (WP5). The partner will also lead information and awareness development activities (WP2).	Thanks to its deep knowledge of the characteristics housing of the city, and thanks to its strong experience in cooperation projects linked to sustainable development issues (for instance MI Ciudad AC2 about climate change and CAT-Med on sustainable areas), Malaga will bring its operational competences to lead the pilot project on its territory.
Institute for the Promotion of Technological innovation	institutionnal	NGO/NPO in the field of environment, energy or resource management	ISNOVA will be in charge of developing and maintaining the web site and other communication tools.	ISNOVA, founded and controlled by ENEA (which owns 50,98% of its capital), stimulates the innovative energy technology development and disseminates new high efficiency technologies, renewable energy use, and in general fosters innovation, in particular referring to the specific needs of small and medium enterprises (SMEs) and civil energy end-users. Since 1997 ISNOVA has been involved, as coordinator and as partner, in several EC programs. For instance, it currently participates to a SAVE project on the promotion & dissemination of sustainable energy. In the sector of energy technology dissemination, ISNOVA is the elective partner of ENEA both on national, European territory and beyond.
Centre for Renewable Energy Sources and Saving	institutionnal	Technological and scientific research center	CRES will be in charge of carrying and coordinating all analysis on present public policies, developing scenarios on potential savings, identifying innovative financial mechanisms backed with structural funds and prepare new policy instruments (technical and financial) which will be evaluated during pilot projects (WP4).	CRES is the Greek national entity for the promotion of energy conservation and implements innovative projects and significant activities for the promotion and market penetration of new energy technologies.

Malta Intelligent Energy Management Agency	operationnal	energy agency and similar institutions	MIEMA will participate to the elaboration of the financial packages and to the definition of the territorial action plan for experimentation (WP4), and will implement renovation experimentation in 35 dwellings in Malta. The selected dwellings will focus on energy poverty (WP5).	MIEMA is Malta energy agency, which has developed actions in energy planning, green certificates, energy certification of buildings, energy saving on public lighting, studies to address energy needs of tourism establishment, and diffusion of information on renewable energy on local and national scale.
Cyprus Energy Agency	operationnal	NGO/NPO in the field of environment, energy or resource management	CEA will participate to the elaboration of the financial packages and to the definition of the territorial action plan for experimentation (WP4) and will implement renovation experimentation in 25 dwellings in Cyprus.	The scope of the Agency is to promote renewables, energy efficiency and sustainable transport. Its activities include provision of technical services and support to the implementation of European policies at national level. It has very good collaboration with key groups in Cyprus, including local authorities, consumer's associations, environmental foundations, professional associations, energy experts from academic and research sector, which will be useful to conduct the renovation experimentations.
Jozef Stefan Institute	institutionnal	university or institute of applied sciences	As research centre specialized in energy conservation in buildings, the Energy Efficiency Centre of the IJS will coordinate all the activities to implement smart metering experimentations (WP6): studies, experimentation plan, selection and realization of the experimentations.	The basic activities of the Energy Efficiency Centre are focused on efficient energy use, long term planning in energy and reduction of greenhouse gases emissions. The Centre has already experience in smart metering, and it is a focal point for the collection and transfer of energy efficiency technologies to energy users, the State, energy service and equipment providers, and other interested agencies. At the same time it covers environmental effects of energy use and conversion. The most significant part of EEC activities is thus cooperation with state institutions in the preparation of strategic documents and legislation in the field of efficient energy use, energy planning, distributed electricity production, emission trading.

LAORE SARDEGNA	operationnal	Regional development agency	LAORE will implement renovation experimentation for a pilot project of 30 dwellings in Sardinia. The selected dwellings will focus on rural areas, where it owns several thousands of houses (WP5).	LAORE accomplishes regional programmes in agricultural field and for rural development. It is proprietarian of several thousands of rural houses in Sardinia, and has then a deep knowledge of rural housing on the territory. It has already developed European projects related to energy, among them SURE, on renewable energy, from CIUDAD programme.
Valencia Institute of Building Foundation	operationnal	Technological and scientific research center	IVE will participate to the elaboration of the financial packages and to the definition of the territorial action plan for experimentation (WP4) and will conduct renovation experimentation in 50 dwellings in Valencia. The selected dwellings will focus on owner occupiers (WP5).	IVE intends to improve quality and sustainability level in the building process through R&D activities in the building field, notably related to energy efficiency. Its board of trustees includes professionals, developers, building contractors, end-users, in order to provide a platform for ideas exchange, developments and knowledge in the different fields of construction. As expert of housing in Valencia region, it has the competence and network to conduct the pilot project on its territory.
Municipality of Genoa	operationnal	Local Authority	The City of GENOA will participate to the elaboration of the financial packages and to the definition of the territorial action plan for experimentation (WP4) and will conduct a pilot project concerning 45 dwellings in Genoa, focusing on tenants in social housing (WP5).	Genoa will permit to bring an other representative type of low income housing in the Med area where to lead refurbishment experimentations, benefiting from the experience of the Municipality in European projects and sustainable urbanism areas (like CATMed or CIUDAD projects).

CSTB - Building scientific and technical centre	institutionnal	Technological and scientific research center	Through its energy division CSTB will coordinate the large scale experimentation described in WP5. The partner will develop the methodological framework for the implementation of the pilot projects, identify and analyse all cost effective technical solutions for energy refurbishing in low income houses, monitor implementation, measure impact on energy saving and consolidate project results.	CSTB is one of Europe's leading research and evaluation centres in technologies and materials for the building industry. In its quest to improve well-being and safety in buildings, CSTB plies four complementary trades: research, advanced engineering, quality assessment and the dissemination of knowledge. In combination with its fields of expertise, they allow CSTB to adopt a global approach to buildings which includes their urban environment, services and the new information and communication technologies.
Languedoc Roussillon Regional Council	operationnal	Regional Authority	LANGUEDOC-ROUSSILLON Region will install smart meters in about 20 dwellings owned by social landlords, and which have been recently refurbished outside ELIH-Med (WP6).	Support to social housing has become a priority for the Region, notably through the improvement of comfort level of existing buildings in urban rough areas and the promotion of sustainable and energy-saving buildings. Since 2005, the Region has supported the realization of more than 12 000 social and students' dwellings.
GERES- renewable energies, Environment and Solidarity Group	institutionnal	NGO/NPO in the field of environment, energy or resource management	GERES will give advice and recommendations on all technical activities during the project and will coordinate the Technical Committee reporting to the Steering Committee.	GERES is a French NGO specialized in energy and environmental issues. Its role is notably to improve population lifestyle through reduction of inequalities and energy poverty. GERES has a long experience in European energy efficiency projects related to low income households and an extensive network of experts on energy and social issues.
Conference of Peripheral Maritime Regions	institutionnal	Other	CPMR will specifically take part to the dissemination and capitalization activities. It will organize the final conference in Brussels and will support the Mediterranean Institute in the elaboration of the operational programme in energy efficiency in low-income housing (WP3).	The CPMR brings together around 160 Regions. It organizes itself into geographical commissions, one of them being the Intermediterranean commission, and working groups, one of them focusing on energy issues. The CPMR has influenced a lot the European cohesion policy and it actively takes part to the discussion about its evolution.

Region of East Macedonia and Thrace	operationnal	Regional Authority	EAST MACEDONIA and THRACE Region will participate to the WP4 activities: definition of a Mediterranean LIH typology, elaboration of financial packages and so on (WP4). It will collaborate with DUTH and CRES to manage the Greek pilot project (WP5).	The East Macedonia and Thrace region, with more or less 620 000 inhabitants, is located at the Northeast periphery of Greece, bordering Turkey and Bulgaria. The regional authority will work in close cooperation with housing operators to conduct the pilot projects.
Municipality of Frattamaggiore	operationnal	Local Authority	The City of Frattamaggiore will participate to the definition of a Mediterranean LIH typology, elaboration of financial packages and so on (WP4). It will also conduct a pilot project for 20 dwellings in a small city context (WP5).	The city of Frattamaggiore is located in Campania, near to Naples and has 30 500 inhabitants. This small city, with competences in the housing sector, will be an interesting context of experimentation in a suburban area.
13 Habitat	operationnal	provider of public service	13 Habitat will conduct a pilot project concerning 30 dwellings in the province of Bouches du Rhône, owned by this social landlord and occupied by low income households (WP5).	13 Habitat is the public organisation of the province of Bouches du Rhône, responsible for the management of more than 30 000 dwellings that it owns in the department, and occupied by low income households. As social landlord, it has very strong expertise in the relationships with low income households and the refurbishment of its dwellings.
Democritus University of Thrace - DUTH	operationnal	Education and training center	The Democritus University of Thrace will conduct a pilot project in at least 110 dwellings of its five students' residences buildings located within the University campus, in Komotini, in collaboration with CRES and REMTH.	The DUTH is a university located in Komotini, in the Region of East Macedonia and Thrace. DUTH has a large experience in implementing co-financing project.

2.3 Identification of the partners

Name of partner	Geographic origin		Public				Private		
	Country	Area	State Body	Region	Other Local Authority	Public Corporation	Other body (no profit organisation, association ...)	Economic Operator	No profit organisation, association ...

National Agency for New Technologies, Energy and Sustainable Economic Development	ITALY	Lazio	X						
Mediterranean Institute	FRANCE	Provence-Alpes-Côte d'Azur							X
Malaga City Council	SPAIN	Andalucía			X				
Institute for the Promotion of Technological innovation	ITALY	Lazio							X
Centre for Renewable Energy Sources and Saving	GREECE	Attiki					X		
Malta Intelligent Energy Management Agency	MALTA	Malta					X		
Cyprus Energy Agency	CYPRUS	Kypros							X
Jozef Stefan Institute	SLOVENIA	Slovenija					X		
LAORE SARDEGNA	ITALY	Sardegna				X			
Valencia Institute of Building Foundation	SPAIN	Comunidad Valenciana							X
Municipality of Genoa	ITALY	Liguria			X				

CSTB - Building scientific and technical centre	FRANCE	Provence-Alpes -Côte d'Azur				X			
Languedoc Roussillon Regional Council	FRANCE	Languedoc-Roussillon		X					
GERES- renewable energies, Environment and Solidarity Group	FRANCE	Provence-Alpes -Côte d'Azur							X
Region of East Macedonia and Thrace	GREECE	Anatoliki Makedonia, Thraki		X					
Municipality of Frattamaggiore	ITALY	Campania			X				
13 Habitat	FRANCE	Provence-Alpes -Côte d'Azur				X			
Democritus University of Thrace - DUTH	GREECE	Anatoliki Makedonia, Thraki					X		
Conference of Peripheral Maritime Regions	FRANCE	Bretagne							X

2.4 Participation to other projects financed by structural funds

Name of partner	Participation to an Interreg III programme	Other Community cooperation programme	Other projects financed by structural funds
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<p>National Agency for New Technologies, Energy and Sustainable Economic Development</p>			<p>X - INTEGRA/MODULE FSE/ER Coordinator</p> <p>Construction 2000 FSE e FR Partner</p> <p>AURE-BRINDISI FSE POR Coordinator</p> <p>POLIS Partner - FSE, POR 2000-2006, misura C3 - FSE, POR 2000-2006, misura D3</p>
<p>Mediterranean Institute</p>	<p>X - MEDLAB – Mediterranean Living Lab IC-Med - Inter-clusters Méditerranée CAT-MED - Sustainable areas SMILIES - Innovation in Med islands MED-Governance - Interregional governance in Med space ENERMED - Renewable Energy OTREMED - Territorial strategy</p>	<p>X - Approved: ENPI - FEMISE - Mediterranean economic transition Submitted: CBC-Med/ ENPI - GOUV'AIRNANCE: Governance on air quality in Med cities</p>	

<p>Malaga City Council</p>	<p>X - Interreg IIIA Spain-Morocco 10 projects (Lead Partner) and 3 phases</p> <p>INTERREG IIIB MEDCC - Cooperation of Mediterranean Metropolises (C2M) – Partner - Innovation, Competitiveness and Connectivity (I2C) - Partner - Ville Emission Zero - Partner</p> <p>Interreg MED - CAT MED – Lead Partner</p>	<p>X - - Approved: URB-AL Programme Coordination of the network 6 (Urban Environment–219 members among public administrations) 3 projects</p> <p>Meda Funds 2 projects</p> <p>POCTEFEX 5 Projects(LP)</p> <p>-Submitted: Interreg IVB SUDOE - MI Ciudad AC2 (LP) - EmpredeSUD(P)</p>	<p>X - URBAN ERDF Funds - Iniciativa Urbana “Arrabales y Carretería” - URBAN I (1994-1999)</p> <p>Programa Operativo de Medio Ambiente Local (POMAL) - Actuaciones en el Medio Ambiente Urbano</p> <p>Fondos de Cohesión - Solid Waste and Water management and treatment</p> <p>Programa Operativo Local (POL) - Several Urban planning interventions (Historical City Centre, Community Services Centres, etc.)</p>
<p>Institute for the Promotion of Technological innovation</p>		<p>X - DG TREN –Eco-Building Club MEDA Proj.: ASTEMB DG TREN, SAVE: TRIGEMED + DEMO-GL + PSREM DG TREN, SYNERGY: CDM ANVIMAR DG XVII, THERMIE: MEDETEC I & II Prog ALTENER II + OPET I & II EU ADAPT II Prog. DG RESEARCH – Proj. INBANKSS DGXIII: PHETRA</p>	<p>X - EQUEM: EU initiative EQUAL managed by the Italian Welfare Ministry (IT-S2-MDL-011) (as coordinator)</p>

Centre for Renewable Energy Sources and Saving	<p>X - INTERREG IIIB MEDOCC project : EMERGENCE 2010</p> <p>MED projects : IC-MED, IRH-MED, ENERMED, MED-Strategy</p> <p>SEE project : ENER-SUPPLY : ENergy Efficiency and Renewables – SUPporting Policies in Local level for Energy</p>	<p>X - IEE projects :</p> <p>-“Retrofitting of Social Housing-Financing and Policy Options”, conference</p> <p>-NIRSEPES</p> <p>-“Retrofitting of Social Housing and Active Preparation for EPBD-RESHAPE” project</p> <p>- «GreenBuilding plus»</p>	<p>X - 6th FP/TREN/07/FP6EN/S07.72691/038496 ECOBUILDING</p> <p>6th FP6-2004-INCO-MPC-3-031569 DISTRES</p> <p>7thFP NMP2-LA-2008-214395 «Development of a clean and energy selfsustained building in the vision of integrating H2 economy with renewable energy sources»</p>
Malta Intelligent Energy Management Agency		<p>X - X - Intelligent Energy for Europe Programme. Miema has developed the following actions:</p> <ul style="list-style-type: none"> - Energy planning - Green certificates - Energy certification of buildings - Energy saving on public lighting - Studies to address energy needs of tourism establishment 	
Cyprus Energy Agency			<p>X - MED-2166 MEDEEA Mediterranean Implementation of EEA (Priority objective 2-2)</p> <p>MED-2914 ENERSCAPES Territory, Landscape and Renewable energy (Priority objective 2-1)</p>

Jozef Stefan Institute		X - CE Programme: Access to technology and Know-how in Cleaner Production in Central Europe-ACT CLEAN, (Partner) SEE Programme: Promoting Innovation in the Industrial Informatics and Embedded systems sectors through Networking-I3E, (Partner)	X - European social Fund: Operational programme Human Resources Development: Network of research values development in youth (Partner) European social Fund: Operational programme Human Resources Development: Communication in Slovene, (Partner)
LAORE SARDEGNA	X - DESERTNET AMAT PIC-RM EUROMEDSYS I e II RURALMED I e II GRINMED	X - NOVAGRIMED AGRISLES ENERMED OTREMED SURE RIPDES	X - MA.R.TE+ RES.MAR. BAMPé
Valencia Institute of Building Foundation			
Municipality of Genoa	X - MEROPE, M.A.R.E., Metropole Nature, ANSER: partner	X - Q Ageing (CENTRAL EUROPE), Spring (CIUDAD), A Technological and educational net for the management of the coastal assets in the Mediterranean area (CIUDAD), E-PolisAlp (Alpine Space): partner	X - Winnovate, Cat Ned, Med.Imp.Act.Gov: partner

<p>CSTB - Building scientific and technical centre</p>	<p>X - 2004-2006 ALPNAP. Traffic-induced noise and air pollution along major alpine transport routes RIVES. Protection du territoire des risques naturels</p> <p>2003-2005 IntUBE. Intelligent Use of Buildings' Energy Info TERIA. Territorial insert of airports</p>		
<p>Languedoc Roussillon Regional Council</p>			
<p>GERES- renewable energies, Environment and Solidarity Group</p>	<p>X - Alpine Space program – SHARE project</p>		<p>X - IEE program – FINSH project</p>
<p>Region of East Macedonia and Thrace</p>	<p>X - III B: 4 Archimed Projects (DIMA, I-Trace, Simcode, Peoples) 4 Cadses (Iter, Rivershield, Rome, Seeds) III C: 2 RFO (Beachmed-e, Pagus) Interact: FIMIP, Ex-Int INTERREG IVC: NEEBOR, CIVPRO, Monitor II ESPO: SURE MED PROG: COASTANCE, SHIFT, CHORD</p>	<p>X - FP5: TRANSCAT, IRON CURTAIN FP6-DG Employment: REDI DG Enlargement: CBT-Net DG Regio: Technogenesis in REMTH European Economic Era: Conservation of water and forest resources of the Rodopi Prefecture DG Envi: Project CIVILARCH</p>	

Municipality of Frattamaggiore			
13 Habitat			
Democritus University of Thrace - DUTH			X - National Strategic Framework Programme
Conference of Peripheral Maritime Regions	<p>X - Interreg IIIB Atlantic Area:</p> <ul style="list-style-type: none"> - Leader of a fact-finding mission on transnational cooperation in maritime security (May-September 2004) - Leader of SDEA (October 2003-June 2005) <p>MED programme:</p> <ul style="list-style-type: none"> - Partner of MEDGOUVERNANCE - Partner of MAREMED 	<p>X - - Compart /Interact program (partner, June 2004-late 2006)</p> <ul style="list-style-type: none"> - Carpe Decision (leader, Dec. 2003-March 2005) - All Together (leader, Oct. 2005-Jan. 2007) - Framework contract Fishing with the CE (leader, 2005-2007) - Subcontractor for DEVNET in FARNET 	

2.5 Non-partner structures

	Structure name	Type of structure	Typology of non-partner	Role	Skills
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1	Ministry of Environment, Water, Urbanism and Housing of the Generalitat Valenciana		Regional Authority	It will follow up the evolution of ELIH-Med project, by attending and contributing to major public events, and by contributing to disseminate project results and participating to capitalization activities. It will specifically support IVE partner in the projet activities implementation.	Ministry of Environment, Water, Urbanism and Housing of the Generalitat Valenciana has many competences in buildings and environmental-related fields in the region of Valencia. Among other competences, it helps citizens to renovate their buildings or housing. The Ministry is then interested in the improvement of energy equipments in buildings, and notably those where low-income households live.
2	CEDODHAS HOUSING EUROPE		International Structure	It will follow up the evolution of ELIH-Med project and contribute to the dissemination of the project results via website and newsletter.	CECODHAS is the European network for the promotion of the right to decent housing for all. In its membership they have 45 regional and national federations which together represent over 39.000 public, voluntary and cooperative social housing enterprises in 19 countries. CECODHAS aim is to reinforce the European social model and promote the values, successes and the vital future role of its members within that model and to promote integrated approaches to sustainable urban development, stressing that the work of social housing providers is the backbone of social cohesion in European cities. The Energy Efficiency Coalition, of which CECODHAS is partner, sent on the 22nd of April 2010 a call on EU leaders for more support for energy efficiency projects.

3	ICLEI's European Cities for Climate Protection (CCP) Campaign		International Structure	It will follow up the development of the ELIH-Med project, for which it will possibly attend or contribute to major public events, and support dissemination of project results.	ICLEI is a worldwide membership organization of local governments and associations of local government. ICLEI's mission is to build and serve a worldwide movement of local governments to achieve tangible improvements in global sustainability with special focus on environmental conditions through cumulative local actions.
4	Institute of Certification for Construction (ICIC)		provider of public service	It will follow up the evolution of ELIH-Med project, by attending and contributing to major public events, and by contributing to disseminate project results and participating to capitalization activities.	The ICIC is the leading Italian organisation in certification of business management systems (Quality, Environment, Safety) applied to building sector. It has also developed activities notably in energy certification and certification of waterproofing interventions.
5	Institute for Energy Diversification and Saving (IDAE)		energy agency and similar institutions	It will follow up the evolution of ELIH-Med project, by attending and contributing to major public events, and by contributing to disseminate project results.	IDAE is the Spanish public owned business-structured entity reporting to the Ministry of Industry, Tourism and Commerce through the General Secretariat for Energy. The basic function of the IDAE is to promote energy efficiency and the rational use of energy in Spain. It also seeks to promote diversity of energy sources and the use of renewable sources of energy. It promotes these aims through dissemination activities, technical consultancy and the implementation of projects with a technologically innovative component.

6	Consortium CEV		Other	It will follow up the evolution of ELIH-Med project, by attending and contributing to major public events, and by contributing to disseminate project results and participating to capitalization activities.	The consortium CEV was born in 2002 in Italy and joins together energy suppliers and ESCOs. This entity aims at looking for solutions to achieve energy auto sufficiency and combining it with green energy production. It also provides innovative services to its members in addition to energy supply. ELIH-Med will benefit from Consortium CEV experience to explore new financing solutions and adapted energy services to answer low-income households' needs.
7	Sardinia Region		Regional Authority	It will follow up the evolution of ELIH-Med project, by attending and contributing to major public events, and by contributing to disseminate project results and participating to capitalization activities.	The Region Sardinia has demonstrated its interest for the energy thematic by leading the CPMR Intermediterranean Commission working group on renewable energies. As a regional authority, Sardinia is also in charge of the management of ERDF regional operational programme. Both competences will constitute interesting inputs for the ELIH-Med project in the perspective of the macro-regional programme. Sardinia's support to the project and to its public corporation LAORE will facilitate the transfer of experimentation results into regional policies on energy efficiency.

8	National Confederation of Craft Industry and SMEs		public/private organisation representing enterprises and SMEs	It will follow up the evolution of ELIH-Med project, by attending and contributing to major public events, and by contributing to disseminate project results and participating to capitalization activities.	Since 1946, the CNA system defends Italian craft industry and SMEs' interests. Based on provincial, regional, national and branch representations, CNA constitutes an important network all over Italia, and it has offices in Brussels. Thanks to the National Union for Construction, one of the CNA branch representations, this associated partner will be able to bring us concrete information about building professionals expectations in terms of energy refurbishment. It will also relay and transfer ELIH-Med results to its memberships and at European level.
9	Renewable Energies Committee		NGO/NPO in the field of environment, energy or resource management	It will follow up the evolution of ELIH-Med project, by attending and contributing to major public events, and by contributing to disseminate project results and participating to capitalization activities.	CLER is a French association that joins together 180 energy-specialized professionals (associations, companies, public bodies) all over France. Through the project EPEE and the network RAPPEL, they directly act against energy poverty. They will be key partners to disseminate and spread over ELIH-Med results and they also bring to the project their experience in terms of energy efficiency in low-income housing.

10	European Federation of Ethical and Alternative Banks and Financiers		Other	It will follow up the evolution of ELIH-Med project, by attending and contributing to major public events, and by contributing to disseminate project results and participating to capitalization activities.	Created in 2001 in Brussels, FEBEA has today 25 members in 13 European countries: 11 banks, 6 savings and loan cooperatives, 5 investment companies and 3 foundations. Together, they represent 528 000 customers. FEBEA aims to create financial tools able to help existing European initiatives and encourage the growth of new initiatives in the field of alternative finance. FEBEA will bring to ELIH-Med its experience of the banking system and new opportunities of financings.
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- II - GENERAL INFORMATION

1. Specific information

1.1 Theme of the project

ELIH-Med project focuses on energy efficiency in low income housing in the Mediterranean area in the context of EU 2020 objectives. The population targeted by the project whether tenants, owner occupiers with low income or households suffering energy poverty represents about 40% of the total building stock and is considered as « far to reach » through traditional public policies and requires innovative technical and financial approaches in order to help them reduce their energy consumption. The project focuses on identifying and demonstrating through a large scale experimentation the feasibility of cost efficient innovative solutions and financial mechanisms backed with ERDF which could then be extended to all Mediterranean territories.

1.2 Geographic coverage

The project deals with experimenting innovative cost effective solutions and financial mechanisms targeted to energy efficiency investments in low income households in the Med area. It is important that the experimentation which represents about 65% of the total budget effort be representative of the diversity of low income households in the Mediterranean region. Experimentation will, for that reason, be conducted simultaneously in six countries : Spain, France, Italy, Greece, Cyprus and Malta, in diversified geographical (urban, peri-urban and rural), social (tenants, owners occupiers, households in a state of energy poverty), or climatic context (implying a potentially moderate or intensive use of heating and air conditioning). The sample will also cover touristic areas where influx of tourists creates specific issues in terms of energy consumption and energy saving. In total, nine sites of experimentation will be selected in six partner territories : two in Spain, three in Italy and one in France, Greece, Malta and Cyprus reflecting the diversity of situations encountered. All the work packages will for that reason include almost all partners and not only six as recommended in the call for tender.

The dissemination will take place in two steps : first at Mediterranean level through the various seminars and conferences that will be organised during the project. But also through the elaboration of an operational program which will be presented and discussed within the political instances of the CPMR in the perspective of a Mediterranean macroregion.

The dissemination will also be Europeanwide through the active support of associated partners such as Cecodhas, ICLEI, FEBEA and the participation of project members to workshops, seminars or conferences dedicated to energy efficiency in social or low income housings.

Reversely, the project does not involve directly south Mediterranean countries. Previous studies have confirmed that energy efficiency in existing building is not a priority in these countries where most existing dwellings have no heating system. Governments concentrate their effort on elaborating and enforcing more stringent regulations concerning energy efficiency in new buildings which is out of the scope of ELIH-Med. The only transferable results concern policies to fight against an

immoderate and irrational use of air conditioning through the development of alternative technologies such as solar cooling systems. Other possible transferable results concern solar based hot water systems.

1.3 Summary of the project

The project is focused on identifying and experimenting on a large scale a set of practical and innovative technical options and financial mechanisms targeted to develop energy efficiency in low income housing.

A first step will be dedicated to assess the current trend in energy consumption and performance of low income households in the Med area, describe the current public and private policies implemented for energy retrofitting and their potential impact on energy consumption at the horizon of 2020. A trend setting scenario will evaluate the gap between energy consumption as anticipated with existing policies versus EU2020 objectives.

In a second step we will identify innovative technical solutions and financial mechanisms that could be implemented to increase energy efficiency. The technical solutions proposed will have to be adapted to the target group of low income households and take in account specific Mediterranean character such as an ageing housing stock or climatic conditions. Low cost energy efficient investments (hot water, lighting systems and appliances) will be analysed and tested at the same time as more structural solutions such as working on overall building envelope insulation, renovation of old heating systems or finding alternatives to traditional air conditioning (WP5). Measures to change energy behaviours will also be extensively explored and tested through a large scale experimentation of multi-energy smart meters (WP6).

Innovative financing mechanisms will require the matching of different types of financial resources associating public and private partners to fit specific needs: third party financing, shared and guaranteed savings, performance contracting, pay as you save, revolving funds for energy efficiency, microcredits, carbon funds, credit guaranteed funds, microgeneration or asset based investments, all backed with ERDF.

In a third step these innovative approaches will be implemented in a large scale experimentation on a sample of 405 households spread into partner territories: 110 in Spain and Greece, 95 in Italy, 35 in Malta, 30 in France, 25 in Cyprus and selected as representatives of the diversity of low income households in the Med area. An action plan agreed at transnational level will define the criteria for the selection of households included in the experiment, the type of work to be implemented, the administrative and financial approach of public tenders, the selection of suppliers, the follow up of work, the setting up of performance indicators.

In a last step, the results of this large scale experimentation will be collected, analysed and discussed in capitalisation workshops in order to reach a final set of conclusions and recommendation which could then be extended in the whole Med area. An Operational Plan will be prepared and given visibility at political level as a component of a macroregional strategy for a coordinated use of Structural Funds for the next programming period 2014-2020.

1.4 Origin of the project

The partners who initiated this project have been engaged in a number of European projects dealing with energy efficiency in buildings.

These projects have demonstrated that EU 2020 objectives in buildings will not be reached with the policies in place. More specifically, EU2020 objectives will not be met if public policies do not address more specifically the existing housing stock. Recent surveys suggest that energy consumption in building represents 40% of the total energy in EU but that thermal renovation rates of Europe's 200 million houses currently stand at under 0.3%. Applied policies have a very slow rate of implementation.

This is particularly critical for the Mediterranean countries who have been lagging in applying strong policies to develop energy efficiency in the existing building stock and particularly towards low income households which represent about 40% of the total housing stock and require specific and innovative policies.

An other conclusion was that, in a time of financial crisis, a stronger role has to be given the European Union to social and low income housing going beyond the limit of 4% of ERDF Programme resources set by the Commission to be devoted to domestic energy efficiency actions.

The launch of a strategic project call for tender has been seen by project partners as an opportunity to experiment in a large scale innovative measures to try and address the difficult question of energy efficiency in low income housing in the Med area.

1.5 State of the art

Energy efficiency in low income housings and energy poverty have been identified for a long time as an important issue calling for specific and sustainable solutions in the European Strategy but have grown in importance with the adoption of the EPBD Directive in 2002.

Low income housings usually exhibit some or sometimes all of the following characteristics: poor thermal performances compared with current regulations, out of date and inefficient heating systems with no control in individual dwellings, poor roof insulation, concrete or brick spralling, single glazed windows with warped sashes and no draught stripping. Many projects concerning energy efficiency in social housing have been conducted in European programs particularly under the Intelligent Energy program : RESHAPE, ROSH, SHARE, NIRSEPES, E-Retrofit, FActor 4 and others. These projects have led to intensive exchanges of experiences amongst partners. Several interesting technical guidelines for energy retrofitting in social housing have been produced.

The development of financial measures and financial incentives for energy efficient retrofitting of social housing has also been explored (INOFIN). Exchanges of experience on how to use Structural Funds for energy retrofitting projects have also taken place in several projects.

Demonstration projects of energy refurbishment in low income housings have been conducted since then particularly in the north of Europe (Germany, Nordic Countries, UK) showing a high degree of innovation in the technical and financial approach mixing grants, commercial and soft loans, third party financing, revolving investment funds for energy efficiency, renewable energy sources, and public participation models. Some operators (in the UK and some new EU Members) have also made a successful use of the new possibility of using Structural Funds for energy efficiency in low income housings.

These projects have created a consensus on the fact that energy retrofitting of low income housings need specific and innovative approaches. But mostly conducted in the north of Europe and the new Member States, these projects have been relying on strong financial public support coming from the States, local communities or European funds. They have also in most cases been implemented by social houses operators which are traditionally very powerful institutions in the north of Europe and have sufficient resources and experiences to conduct such projects. Owners occupiers are more rarely targeted by these programs. And very few projects have dealt with energy poverty.

Although some of these works have involved Med countries (in particular Italy or Greece), no project has so far been focused of the question of energy efficiency in low income housings in the Mediterranean area dealing with specific climatic, physical, behavioural and social characteristics and in a context of growing and durable financial constraints on public funds due to the financial crisis.

1.6 Strategic impacts

As for ordinary projects, ELIH-Med is in line with EU2020 objectives and the Med program. It has also a high transnational added value. These impacts will not for that reason be developed here.

The strategic character of the ELIH-Med goes beyond what is expected from ordinary projects and can be characterised as follows:

1-The project deals with a problem which is not efficiently addressed today through traditional existing policies. Energy efficiency policies in buildings tend in general to be difficult to apply and slow to implement. Moreover, the target group of low income households is traditionally considered as "far to reach" with traditional and current policies due mostly to the lack of capital and difficult access to credit.

As compared with the rest of Europe, the Med area presents in terms of energy efficiency some specific climatic, physical and social characters which require special attention: climatic conditions leading to a traditional low emphasis on insulation in old buildings and a growing and immoderate use of air conditioning, an ageing building stock especially in urban centers with high energy intensity, the lack of strong and well structured social houses operators and more restricted public financial support. Mediterranean countries have, for these reasons, been lagging in implementing energy efficiency policies dealing with this target group which represents in the Med area a significant share of the total housing stock and is of strategic importance to reach EU2020 objectives.

2- The partners of the project are institutional and operational actors having direct responsibility in the development and the implementation of public policies on energy efficiency in low income housings. They are then in capacity to impulse new practices and new policies and act as change agent on their domain of responsibility.

It must be added that solutions which will be experimented during the project will be practical ones which, in most cases, are well known and have already been applied with success in other parts of Europe.

3- Last and most important, the project will lead to develop new financing capacities which could not have been mobilised otherwise.

One of the important features of a strategic project is its capacity to leverage existing financing capabilities and develop new ones. This is one of the major objectives of ELIH-Med with a strong focus to maximise the use of Structural and Cohesion Funds to raise for the release of additional public and private funds to finance investments in energy efficiency in low income housing.

Today, an average of 1% of Structural Funds is being used so far in the Med region (far from the 4% authorised by the Commission). One of the objectives of the project is then to increase the amount of ERDF dedicated to energy efficiency in building, develop mechanisms that can serve as a lever for the release of additional public and private funds and focus these new resources on low income households.

1.7 Sustainability and Transferability

ELIH-Med project aims at influencing in a durable way the decision making process for energy retrofitting of low income housing by having better and more efficient solutions in renovation projects and to stimulate through innovative financing schemes the number of low income dwellings being retrofitted. The project aims therefore at developing integrated and sustainable concepts for energy efficient and sustainable retrofitting for low income households. It aims also at expanding the market for advanced energy efficient retrofitting solutions, as well as increasing comfort levels and the quality of life for tenants.

The project will have, through a large scale experimentation, a demonstration effect which can raise the attention of local, regional and national public authorities in the Med region on innovative technical and financial policies that could be implemented with subsequent actions on legislation and town planning.

The project will also lead to the creation of sustainable and long term regional financing mechanisms of energy conservation in low income housings. It will also facilitate the achievement of the 4% ERDF allocation objectives for the housing sector and pave the way for a further increase for the next programming period. The project will also improve the effectiveness of ERDF and other public and private sources for investments in energy efficiency.

An other durable outcome of the project will be the elaboration of a Mediterranean operational program which will be given political visibility through CPMR and will serve as « flagship project » in a macroregional approach of the Mediterranean strategy that could be implemented in the new European programming period 2014-2020. Based on project results, the operational program will develop a multilevel framework for cooperation with local, regional and state level entities cooperating on energy efficiency issues. This new approach associated with strong intergovernmental cooperation will represent a step forward traditional transnational cooperation between regions which has not permitted so far to develop large scale structural projects.

2. Objectives and added value of the project

2.1 General and specific objectives of the project

The general objective of the project is to identify and implement innovative technical solutions and financing mechanisms to develop energy efficiency in low income housings in the Mediterranean area. The project should then lead to :

- Focus national, regional and local public policies on energy efficiency in low income housing and help them meet EU's 20/20/20 objectives
- Boost energy efficiency investments in low income housing in the Mediterranean through the creation, transfer, combination and adaptation of innovative financing mechanisms backed with ERDF funds
- Increase thermal comfort levels and the quality of life for low income households
- Develop innovative policies to reduce energy poverty through a combination of focused and adapted technical and financial solutions and incitations to change energy behaviour
- Facilitate the achievement of 4% ERDF allocation objective for the housing sector and pave the way for a more important role of ERDF in energy efficiency in building
- Develop and get a political consensus on a transnational operational program on energy efficiency in low income buildings as a component of a macro regional strategy in the Mediterranean area in the next programming period 2014-2020.

Specific objectives are:

- Develop multilevel cooperation associating national, regional and local entities to address in a coordinated way the problem of energy efficiency in low income housing and energy poverty in the Mediterranean
- Bring to the project the best available European expertise and knowledge to develop energy efficiency in low income housing and reduce energy poverty
- Identify practical and feasible technical solutions adapted to the context of low income housing in the Med area
- Develop multi energy smart metering devices adapted to low income households and able to help them reduce their energy bills
- Identify practical and feasible innovative financing mechanisms backed with ERDF that can be applied to foster energy efficiency investments in low income housings
- Develop the processes for a large scale experimentation on ten territories of innovative technical solutions and financial mechanisms
- Implement in a coordinated way energy refurbishing pilot projects on 405 households spread amongst six partner countries and nine different locations
- Develop as a result of this large scale experimentation concepts, approaches and policy options that can be diffused and adapted to the diversity of situations encountered for low income housing in the Mediterranean area
- Raise awareness concerning energy efficiency issues amongst low income households and have them participate actively into the pilot projects
- Develop the institutional capacities to build a consensus at national, regional and local level on an operational program for a multi-level coordination of EU instruments and financing to foster energy efficiency investments in low income households.

2.2 Outputs of the project

The main deliverables are:

WP1:

- Regulations for the Management Bodies of the Project
- Management Handbook

WP2:

- A communication plan and a set of communication tools
- A website and an on line database
- Three international events
- Ten campaigns to raise awareness at project pilot scale

WP3:

- A series of guidelines on energy efficiency in low income housing
- Partners and stakeholders' commitment for results sustainability
- Four capitalization workshops
- An “Operational Program” on energy efficiency in low income housing in the Mediterranean as a component of a macroregional strategy

WP4:

- Current national, regional and local policies on energy efficiency in low income housing
- Analysis of the low income housing stock and potential energy savings
- A trend-setting scenario and new strategy to be implemented to reach EU2020 objectives
- A list of available technical solutions adapted to energy efficiency in low income housings
- A list of innovative financing mechanisms backed with ERDF to foster investments in energy efficiency in low income buildings.
- A financial package for each experimental territory.
- General framework to conduct the experimentation

WP5:

- Detailed financial and technical action plan for experimentation
- A report on project results
- 405 refurbished individual dwellings

WP6:

- Database on returns of experience of smart metering
- An experimentation plan
- 135 smart meters installed
- Monitoring and return of experience

2.3 Project results

The expected main results of the project will be :

- Strategies and policies in place for energy efficiency in buildings and their impact on low income housings (tenants, owners occupiers, energy poverty)
- An improved knowledge of the low income housing stock and the identification of potential savings if new financing mechanisms are put in place
- Identification of new financing mechanisms backed with Structural Funds which could concretely be mobilised for energy refurbishing projects in low income housing
- Identification of technical solutions (low cost and others) which are available and can be applied efficiently in low income housings in the Med area
- Results of a large scale experimentation on improving energy efficiency in low income housings; technical solutions and financial mechanisms which could be deployed in the Med area; impact on the contribution to EU2020 objectives
- 405 refurbished dwellings and 135 smart meters installed
- Potential impact of smart meters on energy consumption in low income housings: functionalities to be developed in order to have an optimised impact on energy behaviour and reduce energy bills
- An awareness campaign towards national, regional and local institutions on new opportunities to target low income households in energy efficiency policies
- An “Operational Plan” approved at local, regional and national level for a coordinated policy in applying Structural Funds for energy efficiency in low income housings.

2.4 Transnational added value of the project

All questions related to the conservation of Energy and global warming in the context of EU2020 are transnational by nature.

Energy efficiency in low income households is a common challenge facing Mediterranean countries. Due to climatic, physical and social conditions, solutions adopted in other parts of Europe are not necessarily applicable in Med countries.

The main transnational value of the project lies in the joint development of transferable technical solutions and financial mechanisms addressing energy efficiency problems in low income housings in the med area. The project will then have a positive impact in the whole of the Med area.

The variety of solutions that need to be tested requires to conduct a diversified field of experience and efficient mechanisms to share results. Through its experimentation, each partner will create real added value to the project.

The mix of partners between national, regional and local actors is an essential feature of the project and will provide for experimentation and implementation at different levels of political decision making and economic planning, representing an other added value of the project.

Last, the operational program which will be prepared at the end of the project will strengthen the cohesion between Mediterranean territories and will pave the way for a macroregional strategy and a reinforced cooperation and coordination between European financial instruments.

2.5 Innovative aspects of the project

The project addresses for the first time the problem of energy efficiency in low income housings in the Mediterranean context. A number of projects have already dealt in Europe with social housing; few have dealt with energy poverty; owners occupiers have also rarely been targeted in European projects. ELIH-Med project addresses through the concept of low income housing the three target groups together.

The use of ERDF as a lever for the release of additional public and private funds to finance investments in energy efficiency has been explored in recent European projects but has never led to a large scale experimentation as proposed in ELIH-Med. Another important innovative factor is the emphasis put on the identification and the experimentation on a large scale of innovative technical solutions and financial mechanisms addressing the problem of energy efficiency in low income housings in a Mediterranean context. The European projects implemented so far in this domain were focused on best practices and exchange of experience. ELIH-Med will concentrate its efforts on developing a set of practical solutions and demonstrate their applicability and their adaptability to the variety of situations encountered for low income housing in a specific Mediterranean context.

The concept of an operational program for a multilevel coordination of EU instruments and fundings to stimulate energy efficiency investments in low income housings can be seen also as an innovative approach.

2.6 Use of past experiences and of project already realised for the definition of the project and of its objectives

Partner's experience in previous projects have had a significant influence on the definition and objectives of ELIH-Med.

The first conclusion coming from previous projects is that, compared to the rest of Europe, the Med area is not only characterised by its climate but also by an ageing housing stock and, most of all, a larger share of the population having low income.

The second conclusion is that public policies on energy efficiency should focus on the existing building stock and particularly the low income housing. Previous projects have demonstrated that working on new buildings will not be sufficient to meet EU2020 objectives. They have also led to the conclusion that low income housing should be a primary target for public policies as they represent a significant share of the total building stock and are far to reach with existing policies.

The third one is that the concept of social housing was too limited for the Med area. This is why the project partners have decided to extend the concept to “low income housings” including tenants of traditional social housing but also owners occupiers with low income and households being in a state of energy poverty.

A last conclusion has been that the main obstacle for energy refurbishment was the lack of financial resources and that the best approaches were to set-up innovative financing schemes mixing public and private financing sources backed with Structural Funds, which is one of the main project focus.

2.7 Environmental incidences of the project

The housing sector is one of the huge contributors of CO2 emission, which results from energy consumption for building services, such as air conditioning, water heating, and lighting, which is necessary for human habitation. Developing energy performance in housing will have a direct impact on the environment.

Buildings account for 40% of the EU’s energy requirements. It is estimated that more than a quarter of the energy used in the building sector in the EU could be saved. If this figure were achieved, the EU’s total energy consumption would be reduced by around 11 %.

Low income housing in Europe presents a significant potential for energy saving while simultaneously improving indoor living conditions. This is very significant in the case of providing the underprivileged the opportunity to live better, save money, and in the case of single property ownership, to increase the value of a dwelling.

2.8 Environment checklist

Question	YES	NO
Will the realization of the project lead to a limitation or a reduction of GHG and atmospheric pollutants? (transport, industry...)	X	
Will the realization of the project lead to improve energy efficiency and savings?	X	
Will the realization of the project favour the use of Renewable Energy Sources ?	X	
Will the realization of the project contribute to the decrease of loss of biodiversity ?		X
Will the realization of the project support the protection of natural habitats ?		X
Will the realization of the project promote a more efficient use of water ?		X
Will the realization of the project promote a better protection/improvement of the water quality (Mediterranean sea, rivers, ground water)		X
Will the realization of the project contribute to waste reduction or sustainable waste management ?		X

Will the realization of the project contribute to the reduction of contaminated sites ?		X
Will the realization of the project contribute to reduce soil pollution coming from agricultural activities ?		X
Will the realization of the project contribute to prevent and control natural risks better?(floods, fires, drought, earthquakes, landslides...)		X
Will the realization of the project give the possibility to limit the pressure on land due to the development of economic activities and to urban development ?		X
Will the realization of the project contribute to the protection of natural heritage ?		X

2.9 Equal opportunity principle

The project aims at tackling some weaknesses of existing policies concerning households benefiting from current policies on energy efficiency in private households. Several studies have demonstrated that traditional policies based on tax credit, soft loans or direct subsidies benefit to segments of population which do not necessarily need this kind of incentives to invest on energy efficiency in their home. By targeting low income households, the project will provide the underprivileged the opportunity to live better, save money, and in the case of single property ownership, to increase the value of a dwelling. One of the three segments targeted which is energy poverty defined as households who spend over 10% of their revenue to pay energy bills is rarely treated in European projects.

The participative approach developed during the project is also a way of applying the equal opportunities principle. Pilot Project Collaborative Groups represent an opportunity for people that are not often heard and involved in decision-making process to take part in concrete renewal operations.

3. Coherence of the project with the orientations of the Med programme

3.1 Specify how your project contributes to one or several general objectives of the Med programme

Improvement of the competitiveness

Because energy is becoming more expensive, energy savings are an interesting answer to challenge the increase of energy prices and, consequently to achieve competitiveness.

Territorial competitiveness will also depend on the capacity of resilience towards climate changes (cf. Stern report about the cost of inaction). Due to the interdependence between global, local and individual level, a proactive approach to reduce energy consumption and CO2 emissions contributes to mitigate climate change.

Territorial cohesion and environmental protection

Energy efficiency in low income housings clearly illustrates the existing interdependences between social, economic and environmental issues. Through a territorial approach (ten pilot projects), ELIH-Med looks for reducing social gaps by encouraging low-income households saving energy. In parallel, these energy savings will have a positive effect on environmental protection by reducing CO2 emissions.

Equal opportunity principle

Through its focus, ELIH-Med objective is to give households with low income the resources to enhance their quality of life (thermal comfort, reduction of their energy bills) and to participate in a collaborative experimentation which will give them the opportunity to take part to the decision-making process.

3.2 Coherence with the orientations of the Axis and of the specific objective corresponding to the project

ELIH-Med project is consistent with the Axis 2 « Environmental protection and promotion of a sustainable territorial development » and particularly with the Objective 2.2. The MED operational programme states that "this objective (Promoting renewable energy and improving energy efficiency) is both a necessity from an environmental point of view and an opportunity in terms of economic development. (...) Actions that aim at changing behaviour should be coordinated to as to reduce consumption and diversity supply sources." ELIH-Med main objective is the reduction of energy consumption in low income housings which represent an important share of the building stock and consequently a high potential of energy savings. It also means that both environmental and socio-economic aspects are tackled by the project.

To achieve this objective, the project will combine innovative technical (cost-effective and adapted refurbishment of dwellings), financial and behavioural approaches. An important part of the project activities are directly dedicated to change behaviour. Among them, we can mention the following: participation of pilot project collaborative groups to the implementation and monitoring of pilot projects; experimentation of multi-energy smart meters through a living lab approach to define the best smart meters interfaces to be developed; campaign to raise awareness among population at local level; dissemination of the results at Mediterranean and European scale and so on.

4. Coherence with European and national policies and with other community programmes

4.1 CSG and NSRF coherence

The ELIH-Med project is in line with the Community Strategic Guidelines and directly contributes to the achievement of several orientations such as:

- Strengthen synergies between environmental protection and growth.
- Address Europe's intensive use of natural energy sources.
- Improve access to finance.
- Support good policy and programme design, monitoring,

The ELIH-Med project is also in line with the territorial dimension of CSG recommendation in terms of partnership and exhaustive strategy. It joins together Mediterranean institutional and operational partners that will contribute to achieve concrete outputs through the project implementation and long-term and transferable results for the Med area.

NSRF Spain

The Spanish objectives of growth and jobs require an economic development based on the sustainable use of natural resources and the reduction of CO2 emissions. The ELIH-Med project is coherent with the objective of fostering a sustainable environment and with the transverse principle of sustainability. By addressing energy efficiency in LIH, it is also in line with the social inclusion and equal opportunities objective.

NSRF Greece

The project approach is coherent with the Greek NSRF focus on innovation and improvement of the quality of life. The General Objective 15 highlights the necessity of reducing the oil dependence of Greece in an environmental friendly approach. Measures to improve energy efficiency are recommended.

NSRF France

Environmental protection is both a transverse axis and the 4th priority of the competitiveness objective (p86). ELIH-Med will address both economic and environmental challenges and contribute to the promotion of research in terms of energy efficiency, notably with the experimentation of smart metering.

NSRF Italie

Through the third priority of the NSRF « Energy and Environment » and the interregional operative programme “renewable energies and energetic savings”, it clearly appears that energy efficiency is a strong objective shared by both the Italian authorities and the ELIH-Med partners.

NSRF Malta

ELIH-Med is coherent with the second strategic objective “ Improving Malta’s attractiveness and quality of life” that explicitly deals with energy issues and that promotes energy savings as a way of reducing oil dependence and cost and CO2 emissions. It also highlights the importance of creating awareness and developing energy efficiency integrated approaches.

NSRF Cyprus

Challenges such as social cohesion, environment and development of sustainable communities are at the core of Cyprus NSRF. ELIH-Med aims at taking up these different issues.

NRSF Slovenia

The fifth development priority focuses on measures to achieve a sustainable development (p73). This priority, in line with the 3rd goal of the Slovenian Development Strategy, insists on social cohesion challenges. The ELIH-Med project has also adopted this focus by targeting in priority low-income housing.

4.2 Synergies with other programmes and actions

Synergies exist and will be exploited between ELIH-med and other programs, actions and running projects.

As one the objectives of the project is to promote a bigger role for Structural Funds in the domain of energy efficiency, strong connections will therefore need to be developed with regional and national entities which are involved in the preparation of the next european budget for the period 2014-2020.

ELIH-Med will benefit from existing platforms for the exchange of ideas and experiences on energy efficiency set by the Commission such as CONCERTO or the BUILDUP initiative.

Synergies will also found with the Intelligent Energy Europe program which has launched a number of projects on energy efficiency in social housing. Some of them are actually running and will be invited to participate to capitalisation seminars which will be organised by ELIH-Med. Among those: FRESH on social housing comprehensive refurbishment through energy performance contracting; INTENSE on Intelligent Energy Saving Measures for municipal housing and ManagEnergy which provides training and workshops,

Cooperations will also be engaged in the same way with projects launched in the transnational « South East Europe » program which has a component on energy efficiency with projects such as ENER-SUPPLY.

Within the Med program, synergies have been identified with several running programs such as CAT Med, IC-Med, Medgovernance, MedLab or Enermed projects.

CAT Med deals with sustainable areas in major Mediterranean cities. The project has implemented a methodology based on indicators of durability which will be fed in WP4.

IC-Med objectives is to develop intercluster cooperations in the Med area. The project has analysed specific features concerning energy efficiency in buildings in a Mediterranean climate and identified the technologies which can be applied today in new or existing buildings in order to reduce energy consumption. These results will be fed in WP4.

MedLab objective is to implement the Living Lab approach from the demand side of regional policy. The living lab approach will be used in WP6 dedicated to a co-development of multi energy smart meters through a close and interactive cooperation between manufacturers and end-users.

Medgovernance objective is to explore different scenarios for a macroregional policy approach of the Med area. One of the objectives is that the project should define strategic projects that could enter as “flagship” projects in a macroregional strategy.

Cooperation will also be developed with programs developed by ELIH-Med associated partners involved in energy efficiency such as: ICLEI (Local Governments for Sustainability), the European Liaison Committee for Social Housing (CECODHAS), the European Federation of Ethical and Alternative Banks (FEBEA) and the Covenant of Mayors' program of towns and cities across Europe whose objective is to reduce their CO2 emission beyond the EU 20% target by 2020.

5. Technical implementation of the project

5.1 Working plan

Component	Phase	Start date	End date	Description	Geographical phases localisation	Coordinating partner	Participating partners	Deliverables	Amount
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Work package 0: preparation costs only	ELIH-Med candidature preparation	2009-12-01	2010-09-15	Once announced the launch of a call for strategic project (Naples, Nov.10), the Mediterranean Institute (IM) met several institutions and professional interested in the energy thematic. In March 2010, when the call was officially launched, the IM elaborated a first proposal. After the JTS meeting in Marseilles, ENEA and IM agreed in building up a strong partnership able to implement an ambitious project. They detailed the activities, budget and timeplan and convinced several partners to join the project. The 21st June 2010, ENEA organized a meeting with the interested partners and during the summer, the IM with the ENEA finalized the proposal. Partners agreed in the ELIH-Med proposal and prepared the official documents.	Kypros - Valencia / València - Málaga - Hérault - Alpes-Maritimes - Bouches-du-Rhône - Rodopi - Attiki - Genova - Roma - Napoli - Sassari - Malta - Osrednjeslovenska -	National Agency for New Technologies, Energy and Sustainable Economic Development	Mediterranean Institute - Malaga City Council - Institute for the Promotion of Technological innovation - Centre for Renewable Energy Sources and Saving - Malta Intelligent Energy Management Agency - Cyprus Energy Agency - Jozef Stefan Institute - LAORE SARDEGNA - Valencia Institute of Building Foundation - Municipality of Genoa - CSTB - Building scientific and technical centre - Languedoc Roussillon Regional Council - GERES-renewable energies, Environment and Solidarity Group - Region of East Macedonia and Thrace - Municipality of Frattamaggiore - Conference of Peripheral Maritime Regions -	1 A complete project proposal sent to the JTS	30,000.00 €
								Sub total	30,000.00 €

Work package 1: Project coordination	I. Financial and administrative management of the project	2011-04-01	2014-03-31	Follow-up of the project implementation, ongoing evaluation of the project outputs and results, timing follow-up in close relation with the activity 1.2, support and follow-up of the 1st level controller selection process, verification of the eligibility of partners' expenses, management of budget modification, development of any administrative task necessary to the good implementation of the project. In order to elaborate and consolidate the demands of reimbursement every 6 months, the LP will be in charge of gathering all the certificates and proofs of payment - The LP will also play a role of advice and support to partners.	Kypros - Valencia / València - Málaga - Hérault - Alpes-Maritimes - Bouches-du-Rhône - Rodopi - Attiki - Genova - Roma - Napoli - Sassari - Malta - Osrednjeslovenska -	National Agency for New Technologies, Energy and Sustainable Economic Development	Mediterranean Institute - Malaga City Council - Institute for the Promotion of Technological innovation - Centre for Renewable Energy Sources and Saving - Malta Intelligent Energy Management Agency - Cyprus Energy Agency - Jozef Stefan Institute - LAORE SARDEGNA - Valencia Institute of Building Foundation - Municipality of Genoa - CSTB - Building scientific and technical centre - Languedoc Roussillon Regional Council - GERES-renewable energies, Environment and Solidarity Group - Region of East Macedonia and Thrace - Municipality of Frattamaggiore - 13 Habitat - Democritus University of Thrace - DUTH - Conference of Peripheral Maritime Regions -	1 A management handbook - 6 demands of reimbursement	668,288.00 €
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	2. Coordination, steering and monitoring	2011-04-01	2014-03-31	Steering and monitoring of project implementation through the redaction of methodological papers, keynotes and guidelines, communication with partners. Communication with the JTS and the MED programme authorities. The LP and work package coordinators will play a key role to ensure the articulation between the components and to develop consistant methodological orientations. To do so, they will be supported by the Technical Committee. Composed by 10 Euro-Mediterranean experts on energy efficiency and LIH and led by GERES, it will meet 4 times during the project. It will also be mobilised for specific interventions during International Conferences and workshops preparation.	Málaga - Alpes-Maritimes - Bouches-du-Rhône - Attiki - Roma - Osrednjeslovenska -	National Agency for New Technologies, Energy and Sustainable Economic Development	Mediterranean Institute - Malaga City Council - Institute for the Promotion of Technological innovation - Centre for Renewable Energy Sources and Saving - Malta Intelligent Energy Management Agency - Cyprus Energy Agency - Jozef Stefan Institute - LAORE SARDEGNA - Valencia Institute of Building Foundation - Municipality of Genoa - CSTB - Building scientific and technical centre - Languedoc Roussillon Regional Council - GERES-renewable energies, Environment and Solidarity Group -	3 Methodological papers - 4 Agendas and minutes of the Technical Committees	209,700.00 €
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	3 Follow-up of activities implementation	2011-04-01	2014-03-31	The steering committee is the transnational body in charge of the administrative, financial and operational monitoring of the project. Nine steering committees will be held during the project. These meetings will enable: to follow up the project implementation, share the ongoing activities results, prepare the next activities implementation, communicate methodological orientations to all the partners, implement administrative tasks and financial balance and solve common problems. At the end of each steering committee, it will officially approve the decisions taken during the meeting.	Kypros - Málaga - Hérault - Attiki - Genova - Roma - Sassari - Malta - Osrednjeslovenska -	National Agency for New Technologies, Energy and Sustainable Economic Development	Mediterranean Institute - Malaga City Council - Institute for the Promotion of Technological innovation - Centre for Renewable Energy Sources and Saving - Malta Intelligent Energy Management Agency - Cyprus Energy Agency - Jozef Stefan Institute - LAORE SARDEGNA - Valencia Institute of Building Foundation - Municipality of Genoa - CSTB - Building scientific and technical centre - Languedoc Roussillon Regional Council - GERES-renewable energies, Environment and Solidarity Group - Region of East Macedonia and Thrace - Municipality of Frattamaggiore - 13 Habitat - Democritus University of Thrace - DUTH - Conference of Peripheral Maritime Regions -	9 Agendas and minutes of the steering committees	426,938.00 €
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								Sub total	1,304,926.00 €
Work package 2: Information and awareness raising	1.Website and communication tools	2011-04-01	2014-03-31	The communication plan will be designed and approved to ensure maximum project visibility. It will define the different types of public targeted and the media used (ie. mailing list, index of specialized journalists). Graphics tools (brochure, logo and visual identity, newsletters, PowerPoint template, poster...) will compose the communication pack and provide the necessary communication support to the partners' actions of dissemination. The website will be designed both as an institutional website to present the project and as a collaborative tool for partners and public participation (videos, software access, project database...).	Roma -	Malaga City Council	National Agency for New Technologies, Energy and Sustainable Economic Development - Institute for the Promotion of Technological innovation -	1 Communication plan - 1 Communication pack (brochure for the project presentation, logo...), - 1 Website with a collaborative forum	149,200.00 €

	2. International events on energy efficiency in LIH in the Mediterranean	2011-04-01	2014-01-31	Three events will be organized to give visibility to the project. International experts, decision-makers and stakeholders will participate to present their experiences on EE in LIH. The first event will be a public seminar, organized by the ENEA(LP). It will constitute the official kick-off of the project (cf. act. 1.3). The second one will be an international conference and it will be organized by the City of Malaga in Spain. It will correspond to a key moment of the project and will be useful to articulate the WP 4 with the experimental WP. The final international conference will be organized in Brussels. This closing event will give partners the possibility to present project results and the macroregional programme.	Málaga - Roma - Extra Regio -	Malaga City Council	National Agency for New Technologies, Energy and Sustainable Economic Development - Mediterranean Institute - Institute for the Promotion of Technological innovation - Centre for Renewable Energy Sources and Saving - Malta Intelligent Energy Management Agency - Cyprus Energy Agency - Jozef Stefan Institute - LAORE SARDEGNA - Valencia Institute of Building Foundation - Municipality of Genoa - CSTB - Building scientific and technical centre - Languedoc Roussillon Regional Council - GERES-renewable energies, Environment and Solidarity Group - Region of East Macedonia and Thrace - Municipality of Frattamaggiore - 13 Habitat - Democritus University of Thrace - DUTH - Conference of Peripheral Maritime Regions -	3 International events	356,100.00 €
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	3.Raising public awareness during pilot projects	2012-04-01	2014-01-31	<p>In the areas where pilot projects will be conducted (cf.WP5&6), the ELIH-Med partner, supported by the Pilot Project Collaborative group, will set up a campaign to raise awareness among population and other stakeholders concerning energy efficiency and to present the pilot project . This campaign will be interactive and specific to each territory. It will also allow to collect information on individual behaviours, competences, points of view. It will be based on local communication means (local TV and radios) and direct interaction with concerned people (meetings with neighbours associations, intervention in schools, participation to local celebrations). Each campaign will end by a local event to share project results.</p>	<p>Kypros - Valencia / València - Málaga - Hérault - Rodopi - Attiki - Genova - Napoli - Sassari - Malta -</p>	<p>Malaga City Council</p>	<p>Institute for the Promotion of Technological innovation - Malta Intelligent Energy Management Agency - Cyprus Energy Agency - LAORE SARDEGNA - Valencia Institute of Building Foundation - Municipality of Genoa - Languedoc Roussillon Regional Council - Region of East Macedonia and Thrace - Municipality of Frattamaggiore - 13 Habitat -</p>	<p>9 Campaigns to raise awareness (one in each territory), - 9 closing events (one in each territory)</p>	<p>553,000.00 €</p>
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	4. Project dissemination at a European and Mediterranean level	2011-04-01	2014-03-31	<p>This activity will both serve to benefit from other projects results and to give visibility to the project in order to broaden its scope and its available expertise basis. Today, key institutions are working on energy efficiency: it is important to show that Mediterranean territories are also involved in such processes but highlighting the point that they need specific answers. To reach this objective, partners will monitor the EU energy programmes (CONCERTO, IEE, BUILD UP, managenergy, ecoinnovation, sustainable energy in Europe) in order to identify and select financing opportunities, events to disseminate project results, best practices... They will also be attentive to the EE programme of the Eastern Neighbouring Policy.</p>	Málaga - Hérault - Bouches-du-Rhône - Extra Regio - Dissemination implies the participation of partners to meetings and events in all the European Union.	Malaga City Council	National Agency for New Technologies, Energy and Sustainable Economic Development - Mediterranean Institute - Institute for the Promotion of Technological innovation - Valencia Institute of Building Foundation - GERES-renewable energies, Environment and Solidarity Group - Conference of Peripheral Maritime Regions -	1 Participation to meetings on energy efficiency at European and Mediterranean levels	107,920.00 €
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								Sub total	1,166,220.00 €
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Work package 3: Capitalisation and long lasting effects	1.Elaboration of a series of guidelines	2012-01-01	2014-03-31	Elaboration of a series of three multilingual guidelines on: cost-effective refurbishment solutions in Med LIH addressed to owners, technicians and professionals; innovative financing and use of the structural funds to invest in energy performance specifically addressed to financial institutions (banks...); EE policies in Med LIH addressed to local and regional authorities. These guidelines will gather all the available information and best practices concerning the three above-mentioned topics. They will establish a balance of the experimentation at the project level and will give recommendations for transferability and adaptation of the ELIH-Med experimentation processes.	Bouches-du-Rhône -	Mediterranean Institute	GERES- renewable energies, Environment and Solidarity Group - Conference of Peripheral Maritime Regions -	1 guidelines on cost-effective refurbishment solutions in Med LIH - 1 guidelines on innovative financings - 1 guidelines on EE policies in Med. LIH	92,697.84 €
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	2. Stakeholders and partners' commitment for project results sustainability	2013-12-01	2014-03-31	The WP coordinator will elaborate a questionnaire to evaluate how stakeholders and partners will concretely integrate project results in their policies, project and practices (i.e. modification of subvention terms of reference for workings subvention, modification of their convention with social housing operators, transferability of the collaborative process tested during the project...). At the end of the questionnaire, they will be asked to specifically compromise themselves on the implementation of three actions. The WP coordinator will sum up and consolidate all the information and partners and stakeholders' commitments. This report on project results sustainability will be presented during the closing conference.	Kypros - Valencia / València - Málaga - Hérault - Alpes-Maritimes - Bouches-du-Rhône - Extra-Regio - Rodopi - Attiki - Genova - Roma - Napoli - Sassari - Malta - Osrednjeslovenska -	Mediterranean Institute	National Agency for New Technologies, Energy and Sustainable Economic Development - Malaga City Council - Institute for the Promotion of Technological innovation - Centre for Renewable Energy Sources and Saving - Malta Intelligent Energy Management Agency - Cyprus Energy Agency - Jozef Stefan Institute - LAORE SARDEGNA - Valencia Institute of Building Foundation - Municipality of Genoa - CSTB - Building scientific and technical centre - Languedoc Roussillon Regional Council - GERES-renewable energies, Environment and Solidarity Group - Region of East Macedonia and Thrace - Municipality of Frattamaggiore - 13 Habitat - Conference of Peripheral Maritime Regions -	1 Questionnaire of evaluation - 1 Consolidated report on project results sustainability	51,300.00 €
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	3. Capitalization with other projects on similar subjects	2011-04-01	2013-09-30	<p>Organization of capitalization events and workshops with other MED (classic and strategic) projects, with other projects implemented in the framework of CONCERTO and IEE programmes, with networks (Covenant of the Mayors, CECODHAS, ICLEI) and with Euromediterranean projects that could be implemented within IEVP, UfM or any other cooperation process in order to take into account Southern Mediterranean EE LIH context. These workshops will be composed of two sessions: the first one will aim at sharing experiences and recommendations, the second one will allow the co-elaboration of a common strategic approach of Med LIH thanks to the SWOT method or any similar one. Their outputs will also be used to prepare the two international conferences.</p>	Bouches-du-Rhône - Attiki - Roma - Osrednjeslovenska -	Mediterranean Institute	National Agency for New Technologies, Energy and Sustainable Economic Development - Institute for the Promotion of Technological innovation - Centre for Renewable Energy Sources and Saving - Jozef Stefan Institute - Valencia Institute of Building Foundation - GERES- renewable energies, Environment and Solidarity Group - Region of East Macedonia and Thrace - Conference of Peripheral Maritime Regions -	4 Capitalization workshops	138,215.00 €
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	4. Development of a macroregional operational programme on EE in LIH in the Mediterranean area	2013-04-01	2014-03-31	Organisation of meetings in order to inform and grow awareness among the European Commission, Member States and Mediterranean regions, to convince them of the interest of building an operational programme on energy efficiency in Mediterranean housing. Elaboration of this operational programme on the basis of large consultations at different levels (Cf. activity 5.6) and in parallel with ongoing discussions concerning the definition of a Mediterranean macro region. This operational programme will be presented during the closing international conference.	Extra-Regio - Bouches-du-Rhône - Attiki - Roma - Osrednjeslovenska -	Mediterranean Institute	National Agency for New Technologies, Energy and Sustainable Economic Development - Institute for the Promotion of Technological innovation - Centre for Renewable Energy Sources and Saving - Jozef Stefan Institute - LAORE SARDEGNA - GERES- renewable energies, Environment and Solidarity Group - Conference of Peripheral Maritime Regions -	1 Macroregional operational program on energy efficiency in LIH in the Mediterranean	148,780.00 €
								Sub total	430,992.84 €

Work package 4: Energy conservation in building renovation or construction activities	1. Impact of current policies to improve energy efficiency in LIH in the med area	2011-04-01	2011-07-31	Analysis of national, regional and local policies and regulation framework regarding energy efficiency in LIH. Analysis of ongoing or recently achieved projects and initiatives. Current trend in energy consumption and savings in LIH. Existing financial schemes, resources and incentives dedicated to energy retrofitting in LIH (whether rental or owner occupied) and actual use of structural funds. Impact of current policies on EU2020 objectives. The analysis will be implemented by the CRES and territorial partners under a shared methodology agreed during the kick off meeting, and will give birth to a strategy to reach EU2020 objectives. Consolidations and projections at Med level will be done by CRES and discussed during a Steering Committee.	Kypros - Valencia / València - Málaga - Hérault - Rodopi - Attiki - Genova - Roma - Napoli - Sassari - Malta - Osrednjeslovenska -	Centre for Renewable Energy Sources and Saving	Malaga City Council - Institute for the Promotion of Technological innovation - Malta Intelligent Energy Management Agency - Cyprus Energy Agency - LAORE SARDEGNA - Valencia Institute of Building Foundation - Municipality of Genoa - Languedoc Roussillon Regional Council - GERES-renewable energies, Environment and Solidarity Group - Region of East Macedonia and Thrace - Municipality of Frattamaggiore - 13 Habitat -	1 Consolidated analysis at Med level of territorial and national public policies, regulation frameworks and financial resources devoted to EE projects in LIH - 1 Online database of good practices of energy retrofitting projects in LIH in the Med area - 1 Trend-setting scenario: impact of existing policies and financial resources available on EU 2020 objectives. - 1 New strategy to be implemented at med level to reach EU2020 objectives	105,128.00 €
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	2. Analysis of the potential energy savings in 2020 in LIH in the Med area	2011-04-01	2011-09-30	<p>Description of the low income housing stock in the Med area based on existing datas which will be collected and harmonised.</p> <p>Characterisation of the housing stock in terms of energy efficiency.</p> <p>Evaluation of potential reduction of energy consumption in 2020 using cost effective existing and innovative technical and non technical solutions in the three main domains of building envelop and insulation, energy systems and consumers behaviours.</p> <p>Evaluation of the financial ressources to be mobilised to reach EU2020 objective involving an increased use of ERDF for energy efficiency investments in the LIH sector.</p>	<p>Kypros - Valencia / València - Málaga - Hérault - Alpes-Maritimes - Bouches-du-Rhône - Rodopi - Attiki - Genova - Roma - Napoli - Sassari - Malta - Osrednjeslovenska -</p>	Centre for Renewable Energy Sources and Saving	<p>National Agency for New Technologies, Energy and Sustainable Economic Development - Mediterranean Institute - Malaga City Council - Institute for the Promotion of Technological innovation - Malta Intelligent Energy Management Agency - Cyprus Energy Agency - Jozef Stefan Institute - LAORE SARDEGNA - Valencia Institute of Building Foundation - Municipality of Genoa - CSTB - Building scientific and technical centre - Languedoc Roussillon Regional Council - GERES-renewable energies, Environment and Solidarity Group - Region of East Macedonia and Thrace - Municipality of Frattamaggiore - Conference of Peripheral Maritime Regions -</p>	<p>1 Typology of LIH building stock in the partner territories and in the med area - 1 Analysis of potential energy savings in "representative housing" and in the building stock of LIH - 1 Prospective plan on financial ressources to be mobilised to reach EU2020 objectives</p>	83,782.00 €
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	3. Identification and evaluation of innovative financial mechanisms backed with ERDF to improve EE in LIH	2011-04-01	2011-08-31	Identification of innovative financing mechanisms at regional level, such as third party financing, micro-credit, performance contracting, local microproduction and others to finance EE investment in LIH. Each "Territorial management groups" will check the applicability of these financial instruments in the partner territories. They will also check the possibility to use ERDF (up to 4%) and other public sources as support of these innovative financial mechanisms and will define a common methodological framework for evaluation (Cf. WP5.1). This task will be led by CRES with the participation of all partners that will elaborate financial packages of innovative financial mechanisms backed with ERDF.	Kypros - Valencia / València - Málaga - Hérault - Alpes-Maritimes - Bouches-du-Rhône - Rodopi - Attiki - Genova - Roma - Napoli - Sassari - Malta - Osrednjeslovenska -	Centre for Renewable Energy Sources and Saving	National Agency for New Technologies, Energy and Sustainable Economic Development - Mediterranean Institute - Malaga City Council - Institute for the Promotion of Technological innovation - Malta Intelligent Energy Management Agency - Cyprus Energy Agency - Jozef Stefan Institute - LAORE SARDEGNA - Valencia Institute of Building Foundation - Municipality of Genoa - CSTB - Building scientific and technical centre - Languedoc Roussillon Regional Council - GERES-renewable energies, Environment and Solidarity Group - Region of East Macedonia and Thrace - Municipality of Frattamaggiore - 13 Habitat - Conference of Peripheral Maritime Regions - FEBEA	9 Financial packages mixing various forms of innovative financing and public funds, backed with ERDF, to be experimented in the WP5 of the project.	161,571.16 €
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	4. Transnational coordinated plan for a large scale experimentation	2011-08-01	2011-09-30	Each territorial management group will establish a plan for a large scale experimentation of these innovative financial mechanisms backed with ERDF in LIH in their territory. These territorial plans will be consolidated at transnational level and possibly modified in order to be representative of energy efficiency problematics of LIH in the Med area. This Med coordinated plan will integrate propositions in three domains to achieve EU2020 objectives: behaviours, financial incentives (EU structural funds and others) and technical improvements. It will then be discussed and approved during an international conference, which will be organized to present the WP4 results and prepare the experimentation.	Kypros - Valencia / València - Málaga - Hérault - Alpes-Maritimes - Bouches-du-Rhône - Rodopi - Attiki - Genova - Roma - Napoli - Sassari - Malta - Osrednjeslovenska -	Centre for Renewable Energy Sources and Saving	National Agency for New Technologies, Energy and Sustainable Economic Development - Mediterranean Institute - Malaga City Council - Institute for the Promotion of Technological innovation - Malta Intelligent Energy Management Agency - Cyprus Energy Agency - Jozef Stefan Institute - LAORE SARDEGNA - Valencia Institute of Building Foundation - Municipality of Genoa - CSTB - Building scientific and technical centre - Languedoc Roussillon Regional Council - GERES-renewable energies, Environment and Solidarity Group - Region of East Macedonia and Thrace - Municipality of Frattamaggiore - 13 Habitat - Conference of Peripheral Maritime Regions -	9 Financing territorial plans - 1 Consolidated transnational coordinated plan for a real scale experimentation of innovative financing resources for EE in LIH	133,161.00 €
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								Sub total	483,642.16 €
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Work package 5: Innovative techniques, materials and processes	1. Selection of the pilot projects	2011-05-01	2011-09-30	Selection, by Territorial Management Group on the basis of the selection criteria defined in WP4, of the LIH (individual dwellings or building blocks), which will be included in the large scale experimentation as pilot projects. A total of 405 individual dwellings will be selected in partner territories as representative of the LIH situation in the Med area. For each pilot project, inhabitants (tenants or owners occupants) will be consulted and invited to participate in a Pilot Project Collaborative Group (PPCG) associating also other local stakeholders to follow up and monitor the pilot project. All PPCG will adopt and implement the common methodological framework of consultation and participation to the experimentation defined in WP4.3.	Kypros - Valencia / València - Málaga - Hérault - Alpes-Maritimes - Bouches-du-Rhône - Rodopi - Attiki - Genova - Roma - Napoli - Sassari - Malta -	CSTB - Building scientific and technical centre	National Agency for New Technologies, Energy and Sustainable Economic Development - Mediterranean Institute - Malaga City Council - Institute for the Promotion of Technological innovation - Centre for Renewable Energy Sources and Saving - Malta Intelligent Energy Management Agency - Cyprus Energy Agency - LAORE SARDEGNA - Valencia Institute of Building Foundation - Municipality of Genoa - Languedoc Roussillon Regional Council - GERES-renewable energies, Environment and Solidarity Group - Region of East Macedonia and Thrace - Municipality of Frattamaggiore - Democritus University of Thrace - DUTH -	1 List of 405 individual dwellings on the partners territories suitable and ready for experimentation. - 9 Agenda and minutes of nine « Pilot Project Collaborative Group » meetings - 9 One animation team for each PPCG selected and ready to operate. - 1 Methodological framework	133,800.00 €
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	2. Diagnosis and elaboration of an action plan for each pilot project.	2011-09-01	2011-12-31	A diagnosis of each pilot project area and dwelling will be implemented. This diagnosis will consist in an analysis of the environment (socio-economic characteristics of the population, buildings characteristics) and a diagnosis of energy performance of each dwelling involved. An action plan for energy retrofiting will be elaborated for each pilot project, describing the type of EE investment to be done (in accordance with thermal and local reglementation), the energy savings expected, the schedule of implementation and the associated monitoring activities. This plan will define for each pilot project the financial requirements to be mobilized through innovative financing and ERDF and the type of financial engineering to be implemented.	Kypros - Valencia / València - Málaga - Hérault - Alpes-Maritimes - Bouches-du-Rhône - Rodopi - Attiki - Genova - Roma - Napoli - Sassari - Malta -	CSTB - Building scientific and technical centre	National Agency for New Technologies, Energy and Sustainable Economic Development - Mediterranean Institute - Malaga City Council - Institute for the Promotion of Technological innovation - Centre for Renewable Energy Sources and Saving - Malta Intelligent Energy Management Agency - Cyprus Energy Agency - LAORE SARDEGNA - Valencia Institute of Building Foundation - Municipality of Genoa - Languedoc Roussillon Regional Council - GERES-renewable energies, Environment and Solidarity Group - Region of East Macedonia and Thrace - Municipality of Frattamaggiore - 13 Habitat - Democritus University of Thrace - DUTH -	405 Detailed technical and financial action plans for each individual dwelling or building block - 9 Territorial action plans - 1 Project level action plan	210,130.00 €
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	3. Launch of the calls for tender for the selection of contractors	2012-01-01	2012-06-30	In each territory the "operational partner" acting as "contracting authority" will prepare the financial plan, gathering innovative financing from identified stakeholders (ESCOs and other third parties) and associated cofinancings from ELIH-Med and other public sources. Once a financing mechanism is set and secure, a call for tender will be prepared and launched in accordance with national and European rules for the various works and tasks to be performed : investments in insulation of the dwelling or building block, rehabilitation of energy systems and regulation, installation of multi energy smart meters (WP6), animation of the Collaborative Groups, project management software installation.	Kypros - Valencia / València - Málaga - Hérault - Alpes-Maritimes - Bouches-du-Rhône - Rodopi - Attiki - Genova - Roma - Napoli - Sassari - Malta -	CSTB - Building scientific and technical centre	National Agency for New Technologies, Energy and Sustainable Economic Development - Mediterranean Institute - Malaga City Council - Institute for the Promotion of Technological innovation - Centre for Renewable Energy Sources and Saving - Malta Intelligent Energy Management Agency - Cyprus Energy Agency - LAORE SARDEGNA - Valencia Institute of Building Foundation - Municipality of Genoa - Languedoc Roussillon Regional Council - GERES-renewable energies, Environment and Solidarity Group - Region of East Macedonia and Thrace - Municipality of Frattamaggiore - 13 Habitat - Democritus University of Thrace - DUTH -	9 Financial engineering plans completed - 9 Sets of calls for tender completed and launched	256,600.00 €
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	4. Pilot projects implementation - Step 1	2012-06-01	2012-12-31	The two action plans developed in WP5 and WP6 (smart meters) will be conducted simultaneously. The works performed by the contractors will be carried out in two successive steps in order to evaluate progresses and take corrective actions if necessary. During this first step, the contracting authorities will conduct an active awareness campaign towards the populations concerned and monitor works through regular reporting and on-site visits. Reporting will be done at territorial and project level (through the project monitoring software and territorial management groups). The Collaborative Groups will meet regularly to give feedback on the work in progress and participate in the co-development process of an efficient multi-energy meter.	Kypros - Valencia / València - Málaga - Hérault - Alpes-Maritimes - Bouches-du-Rhône - Rodopi - Attiki - Genova - Roma - Napoli - Sassari - Malta -	CSTB - Building scientific and technical centre	National Agency for New Technologies, Energy and Sustainable Economic Development - Mediterranean Institute - Malaga City Council - Institute for the Promotion of Technological innovation - Centre for Renewable Energy Sources and Saving - Malta Intelligent Energy Management Agency - Cyprus Energy Agency - LAORE SARDEGNA - Valencia Institute of Building Foundation - Municipality of Genoa - Languedoc Roussillon Regional Council - GERES-renewable energies, Environment and Solidarity Group - Region of East Macedonia and Thrace - Municipality of Frattamaggiore - 13 Habitat - Democritus University of Thrace - DUTH -	18 Regular progress reports on work in progress for each pilot project - 9 Agenda and minutes of Pilot Project Collaborative Groups meeting - 9 Agenda and minutes of territorial management groups meeting - 18 Regular update of activities on project monitoring software	2,103,850.00 €
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	5. Pilot projects implementation - Step 2	2013-01-01	2014-01-31	The contracting authority will keep monitoring the on going works during this second step and will possibly adjust the action plan depending on progress achieved and problems encountered. Continuous feed back from Collaborative Groups and regular reporting will be done at territorial and project level. At completion of each work package, the contracting authority will officially take delivery of all the works done	Kypros - Valencia / València - Málaga - Hérault - Alpes-Maritimes - Bouches-du-Rhône - Rodopi - Attiki - Genova - Roma - Napoli - Sassari - Malta -	CSTB - Building scientific and technical centre	National Agency for New Technologies, Energy and Sustainable Economic Development - Mediterranean Institute - Malaga City Council - Institute for the Promotion of Technological innovation - Centre for Renewable Energy Sources and Saving - Malta Intelligent Energy Management Agency - Cyprus Energy Agency - LAORE SARDEGNA - Valencia Institute of Building Foundation - Municipality of Genoa - Languedoc Roussillon Regional Council - GERES-renewable energies, Environment and Solidarity Group - Region of East Macedonia and Thrace - Municipality of Frattamaggiore - 13 Habitat - Democritus University of Thrace - DUTH -	27 Regular progress reports on work in progress for each pilot project - 27 Agenda and minutes of Pilot Project Collaborative Groups meeting - 27 Agenda and minutes of territorial management groups meeting - 27 Regular update of activities on project monitoring software - 405 Refurbished individual dwellings	2,130,340.00 €
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	6. Evaluation of the pilot projects results and impacts on public policies	2013-10-01	2014-03-31	<p>Conclusions will be drawn at territorial and project level on the results of experimentations implemented in WP5 and WP6 by answering the following questions:</p> <p>What would be the added value of a common public policy approach on EE problems in LIH in the med area in relation with EU2020 objectives?</p> <p>Is it possible and how to mobilize innovative financing mechanisms backed with ERDF to finance EE projects in LIH in the med area?</p> <p>What would be the added value of an operational program adopted at med level for the next programming period to coordinate the use of structural funds applied to EE in LIH?</p> <p>What would be the contribution of these new policies, if generalised, to EU2020 objectives?</p> <p>Results will be presented at Brussels conference (WP2.2).</p>	<p>Kypros - Valencia / València - Málaga - Hérault - Alpes-Maritimes - Bouches-du-Rhône - Extra-Regio - Rodopi - Attiki - Genova - Roma - Napoli - Sassari - Malta - Osrednjeslovenska -</p>	<p>CSTB - Building scientific and technical centre</p>	<p>National Agency for New Technologies, Energy and Sustainable Economic Development - Mediterranean Institute - Malaga City Council - Institute for the Promotion of Technological innovation - Centre for Renewable Energy Sources and Saving - Malta Intelligent Energy Management Agency - Cyprus Energy Agency - Jozef Stefan Institute - LAORE SARDEGNA - Valencia Institute of Building Foundation - Municipality of Genoa - Languedoc Roussillon Regional Council - GERES-renewable energies, Environment and Solidarity Group - Region of East Macedonia and Thrace - Municipality of Frattamaggiore - 13 Habitat - Democritus University of Thrace - DUTH - Conference of Peripheral Maritime Regions -</p>	<p>1 Report describing project results, conclusions and recommendations on energy efficiency policy in LIH in the med area. - 1 Series of focused meetings with European experts, European advisory bodies and officials from the Commission and the Parliament on the report conclusions and recommendations</p>	179,730.00 €
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								Sub total	5,014,450.00 €
Work package 6: Intelligent energy management systems at local and regional level	1 Analysis of current projects of multi-energies smart metering in low-income housing (LIH) in the MED area	2011-06-01	2011-09-30	Elaboration of a database of relevant experiences on mono and multi energy smart metering systems in Europe and particularly in LIH context and in the partners' territory. Evaluation and SWOT analysis of these experiences, impacts on individual behaviours. Establishment of a list of potential suppliers of multi-energy smart meters. Gap analysis of existing products and systems versus potential requirements in LIH in the Med area, and more precisely concerning their impacts on occupiers' energy consumption and energy bills. Synthesis and recommendations for new developments proposed by the activity coordinator.	Kypros - Valencia / València - Málaga - Hérault - Alpes-Maritimes - Bouches-du-Rhône - Rodopi - Attiki - Genova - Roma - Sassari - Malta - Osrednjeslovenska -	Jozef Stefan Institute	National Agency for New Technologies, Energy and Sustainable Economic Development - Mediterranean Institute - Malaga City Council - Institute for the Promotion of Technological innovation - Centre for Renewable Energy Sources and Saving - Malta Intelligent Energy Management Agency - Cyprus Energy Agency - LAORE SARDEGNA - Valencia Institute of Building Foundation - Municipality of Genoa - CSTB - Building scientific and technical centre - Languedoc Roussillon Regional Council - GERES-renewable energies, Environment and Solidarity Group - Region of East Macedonia and Thrace -	1 Database on returns of experiences of on going projects - 1 Gap analysis between existing products and the needs of tenants or owners of LIH in the Med context	56,700.00 €

	2. Setting an experimentation plan for multi-energy smart metering in LIH in the Med area	2011-09-01	2012-01-31	The activity coordinator will propose an experimentation plan on partners' territory for smart metering in LIH including: criteria of selection and representative samples of LIH where the experimentation will be conducted; nature and frequency of interactions with consumers for a coordinated return of experience; measurements of performance and impact on energy consumption; implementation and test of new functionalities by the suppliers; conclusions and recommendations concerning optimized smart metering devices and systems adapted to energy efficiency requirements in LIH in the Med area. The pilot project collaborative groups (cf. act 5.1) will evaluate and express remarks concerning the experimentation plan before the STC approbation of the plan.	Kypros - Valencia / València - Málaga - Hérault - Alpes-Maritimes - Bouches-du-Rhône - Rodopi - Attiki - Genova - Roma - Sassari - Malta - Osrednjeslovenska -	Jozef Stefan Institute	National Agency for New Technologies, Energy and Sustainable Economic Development - Mediterranean Institute - Malaga City Council - Institute for the Promotion of Technological innovation - Centre for Renewable Energy Sources and Saving - Malta Intelligent Energy Management Agency - Cyprus Energy Agency - LAORE SARDEGNA - Valencia Institute of Building Foundation - Municipality of Genoa - CSTB - Building scientific and technical centre - Languedoc Roussillon Regional Council - GERES-renewable energies, Environment and Solidarity Group - Region of East Macedonia and Thrace - 13 Habitat - Democritus University of Thrace - DUTH -	1 Experimentation plan approved by the Steering and Technical Comitee	89,199.00 €
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	3. Elaboration of a call for tender for multi-energy smart meters and selection of manufacturers and installers	2012-01-01	2012-06-30	Elaboration of a draft call for tender. Discussion between partners and elaboration of a finalized version of the call for tender including selection criteria of suppliers. Launch of the call for tender in accordance with European rules for 135 multi-energy smart meters to be installed in seven experimentation territories. Evaluation of the offers and decision on selected suppliers and installers by the steering committee.	Kypros - Valencia / València - Málaga - Hérault - Alpes-Maritimes - Bouches-du-Rhône - Rodopi - Attiki - Genova - Roma - Sassari - Malta - Osrednjeslovenska -	Jozef Stefan Institute	National Agency for New Technologies, Energy and Sustainable Economic Development - Mediterranean Institute - Malaga City Council - Institute for the Promotion of Technological innovation - Centre for Renewable Energy Sources and Saving - Malta Intelligent Energy Management Agency - Cyprus Energy Agency - LAORE SARDEGNA - Valencia Institute of Building Foundation - Municipality of Genoa - CSTB - Building scientific and technical centre - Languedoc Roussillon Regional Council - GERES-renewable energies, Environment and Solidarity Group - Region of East Macedonia and Thrace - 13 Habitat -	1 Set of selected suppliers and installers of multi-energy smart metering devices and systems	67,127.00 €
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	4 Setting-up and monitoring of the experimentation of multi-energy smart metering in LIH in the Med area, in parallel with Act.5. 4 and 5.5	2012-06-01	2014-03-31	Selection of low-income dwellings to be included in the experimentations. Installation of multi-energy smart metering. Intensive participation of « Pilot Project Collaborative Groups » (cf. act. 5.4 and 5.5) in the monitoring of the experimentation through a living lab approach: co-elaboration with suppliers and installers of a protocol to test new functionalities required to help consumers reduce their energy consumption. Interactive tests with consumers. Final conclusions and recommendations concerning functionalities to be developed, interfaces and level of performance required to help consumers reduce their energy consumption.	Kypros - Valencia / València - Málaga - Hérault - Alpes-Maritimes - Bouches-du-Rhône - Rodopi - Attiki - Genova - Roma - Sassari - Malta - Osrednjeslovenska -	Jozef Stefan Institute	National Agency for New Technologies, Energy and Sustainable Economic Development - Mediterranean Institute - Malaga City Council - Institute for the Promotion of Technological innovation - Centre for Renewable Energy Sources and Saving - Malta Intelligent Energy Management Agency - Cyprus Energy Agency - LAORE SARDEGNA - Valencia Institute of Building Foundation - Municipality of Genoa - CSTB - Building scientific and technical centre - Languedoc Roussillon Regional Council - GERES-renewable energies, Environment and Solidarity Group - Region of East Macedonia and Thrace - 13 Habitat - Democritus University of Thrace - DUTH -	135 Installed smart meters - 1 Monitoring during the experimentation and return of experience report - 1 Set of conclusions and recommendations	503,939.00 €
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								Sub total	716,965.00 €
								Total	9,147,196.00 €

5.2 Information on the pilot activities

	Name	Objective	Description : Indicated the activities and the contribution of the Project Partner(s): institutional and operational partners. If relevant, please mention the cooperation with other actors at local, national or international level highlighting actual or po	Outputs and results	Relevance for the project	Transferability/mainstreaming and financing after project end (if yes, please specify amount of investments foreseen and through which instrument)	Start date	Ending date	Phase n°	Location (Nuts 3 codes)	Estimated Budget (in €)

1	City of Malaga pilot project	Innovative technical solutions and financing mechanisms applied for the energy refurbishing of 60 dwellings (owners and occupiers). Test site for 15 smart meters.	General framework for pilot projects approved by Steering Committee- Project conducted and managed by Municipal Housing Institute of Malaga- Financial Engineering and preparation of the call for tender-Selection of contractors and suppliers-Monitoring of work done-Interaction with Pilot Project Collaborative Groups-Regular reporting and guidance from Territorial Management Group-Transnational coordination through the Technical Committee-Quality Control.	Project results: new financing mobilised for energy efficiency investments, low cost technologies implemented, energy saved, changes in energy behaviours-impact on thermal comfort; input for smart-meters development adapted to low-income households needs and specificities.	Results will be aggregated with results from other pilot projects to draw conclusions on new policies to be implemented to develop energy efficiency in low income housings in the Mediterranean.	Mainstreaming and transferability : partners and stakeholders' commitment / Mediterranean operational programme Other sources of financing: third parties financing, local or regional funds, FEDER operational programme and so on	06-2012	01-2014	5 and 6	ES617	666200
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2	Languedoc-Roussillon pilot project	Test site for about 20 smart meters	General framework approved by Steering Committee-Project conducted and managed by Region Languedoc Roussillon- Smart meters installed in dwellings recently refurbished outside ELIH-Med	Project results: energy saved, changes in energy behaviours-impact on thermal comfort; smart-meters development adapted to low-income households needs and specificities.	Results will be aggregated with results from other pilot projects to draw conclusions on new policies to be implemented to develop energy efficiency in low income housings in the Mediterranean.	Mainstreaming and transferability : partners and stakeholders' commitment / Mediterranean operational programme Other sources of financing: third parties financing, local or regional funds, FEDER operational programme and so on	06-2012	01-2014	6	FR-34	81000
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3	City of Genoa pilot project	Innovative technical solutions and financing mechanisms applied for the energy refurbishing of 45 dwellings (tenants, and energy poverty households).	General framework for pilot projects approved by Steering Committee-Project conducted and managed by City of Genoa-Financial Engineering and preparation of the call for tender-Selection of contractors and suppliers-Monitoring of work done-Interaction with Pilot Project Collaborative Groups-Regular reporting and guidance from Territorial Management Group-Transnational coordination through the Technical Committee-Quality Control-	Project results: new financing mobilised for energy efficiency investments, low cost technologies implemented, energy saved, changes in energy behaviours-impact on thermal comfort.	Results will be aggregated with results from other pilot projects to draw conclusions on new policies to be implemented to develop energy efficiency in low income housings in the Mediterranean.	Mainstreaming and transferability : partners and stakeholders' commitment / Mediterranean operational programme Other sources of financing: third parties financing, local or regional funds, FEDER operational programme and so on	06-2012	01-2014	5 and 6	ITC33	569000
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4	Sardinia (Laore) pilot project	Innovative technical solutions and financing mechanisms applied for the energy refurbishing of 30 dwellings (rural and energy poverty households).	General framework for pilot projects approved by Steering Committee-Project conducted and managed by Laore- Financial Engineering and preparation of the call for tender-Selection of contractors and suppliers-Monitoring of work done-Interaction with Pilot Project Collaborative Groups-Regular reporting and guidance from Territorial Management Group-Transnational coordination through the Technical Committee-Quality Control-	Project results: new financing mobilised for energy efficiency investments, low cost technologies implemented, energy saved, changes in energy behaviours-impact on thermal comfort.	Results will be aggregated with results from other pilot projects to draw conclusions on new policies to be implemented to develop energy efficiency in low income housings in the Mediterranean.	Mainstreaming and transferability : partners and stakeholders' commitment / Mediterranean operational programme Other sources of financing: third parties financing, local or regional funds, FEDER operational programme and so on	06-2012	01-2014	5 and 6	ITG23	545000
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5	City of Frattamaggiore pilot project	Innovative technical solutions and financing mechanisms applied for the energy refurbishing of 20 dwellings (energy poverty households).	General framework for pilot projects approved by Steering Committee-Project conducted and managed by city of Frattamaggiore-Financial Engineering and preparation of the call for tender-Selection of contractors and suppliers-Monitoring of work done-Interaction with Pilot Project Collaborative Groups-Regular reporting and guidance from Territorial Management Group-Transnational coordination through the Technical Committee-Quality Control-	Project results: new financing mobilised for energy efficiency investments, low cost technologies implemented, energy saved, changes in energy behaviours-impact on thermal comfort.	Results will be aggregated with results from other pilot projects to draw conclusions on new policies to be implemented to develop energy efficiency in low income housings in the Mediterranean.	Mainstreaming and transferability : partners and stakeholders' commitment / Mediterranean operational programme Other sources of financing: third parties financing, local or regional funds, FEDER operational programme and so on	06-2012	01-2014	5	ITF33	216000
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6	Greek (DUTH, CRES, REMTH) pilot project	Innovative technical solutions and financing mechanisms applied for the energy refurbishing of 110 dwellings located in 5 students' residences and occupied by students who have been selected according to social and financial criteria. Test site for 30 smart meters.	General framework for pilot projects approved by Steering Committee-Project conducted and managed by DUTH- Financial Engineering and preparation of the call for tender-Selection of contractors and suppliers-Monitoring of work done-Interaction with Pilot Project Collaborative Groups-Regular reporting and guidance from Territorial Management Group-Transnational coordination through the Technical Committee-Quality Control-	Project results: new financing mobilised for energy efficiency investments, low cost technologies implemented, energy saved, changes in energy behaviours-impact on thermal comfort; input for smart-meters development adapted to low-income households needs and specificities.	Results will be aggregated with results from other pilot projects to draw conclusions on new policies to be implemented to develop energy efficiency in low income housings in the Mediterranean.	Mainstreaming and transferability : partners and stakeholders' commitment / Mediterranean operational programme Other sources of financing: third parties financing, local or regional funds, FEDER operational programme and so on	12-2012	01-2014	5 and 6	GR300	1057500
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7	Cyprus Energy Agency (CEA) pilot project	Innovative technical solutions and financing mechanisms applied for the energy refurbishing of 25 dwellings (energy poverty households). Test site for 10 smart meters.	General framework for pilot projects approved by Steering Committee-Project conducted and managed by CEA- Financial Engineering and preparation of the call for tender-Selection of contractors and suppliers-Monitoring of work done-Interaction with Pilot Project Collaborative Groups-Regular reporting and guidance from Territorial Management Group-Transnational coordination through the Technical Committee-Quality Control-	Project results: new financing mobilised for energy efficiency investments, low cost technologies implemented, energy saved, changes in energy behaviours-impact on thermal comfort; input for smart-meters development adapted to low-income households needs and specificities.	Results will be aggregated with results from other pilot projects to draw conclusions on new policies to be implemented to develop energy efficiency in low income housings in the Mediterranean.	Mainstreaming and transferability : partners and stakeholders' commitment / Mediterranean operational programme Other sources of financing: third parties financing, local or regional funds, FEDER operational programme and so on	06-2012	01-2014	5 and 6	CY000	357500
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8	Malta Intelligent Energy Management Agency (MIEMA) pilot project	Innovative technical solutions and financing mechanisms applied for the energy refurbishing of 35 dwellings (energy poverty households). Test site for 15 smart meters.	General framework for pilot projects approved by Steering Committee-Project conducted and managed by MIEMA-Financial Engineering and preparation of the call for tender-Selection of contractors and suppliers-Monitoring of work done-Interaction with Pilot Project Collaborative Groups-Regular reporting and guidance from Territorial Management Group-Transnational coordination through the Technical Committee-Quality Control-	Project results: new financing mobilised for energy efficiency investments, low cost technologies implemented, energy saved, changes in energy behaviours-impact on thermal comfort; input for smart-meters development adapted to low-income households needs and specificities.	Results will be aggregated with results from other pilot projects to draw conclusions on new policies to be implemented to develop energy efficiency in low income housings in the Mediterranean.	Mainstreaming and transferability : partners and stakeholders' commitment / Mediterranean operational programme Other sources of financing: third parties financing, local or regional funds, FEDER operational programme and so on	06-2012	01-2014	5 and 6	MT001	399000
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9	Valencia Institute of Building (IVE) pilot project	Innovative technical solutions and financing mechanisms applied for the energy refurbishing of 50 dwellings (energy poverty households). Test site for 15 smart meters.	General framework for pilot projects approved by Steering Committee-Project conducted and managed by IVE-Financial Engineering and preparation of the call for tender-Selection of contractors and suppliers-Monitoring of work done-Interaction with Pilot Project Collaborative Groups-Regular reporting and guidance from Territorial Management Group-Transnational coordination through the Technical Committee-Quality Control-	Project results: new financing mobilised for energy efficiency investments, low cost technologies implemented, energy saved, changes in energy behaviours-impact on thermal comfort; input for smart-meters development adapted to low-income households needs and specificities.	Results will be aggregated with results from other pilot projects to draw conclusions on new policies to be implemented to develop energy efficiency in low income housings in the Mediterranean.	Mainstreaming and transferability : partners and stakeholders' commitment / Mediterranean operational programme Other sources of financing: third parties financing, local or regional funds, FEDER operational programme and so on	06-2012	01-2014	5 and 6	ES523	523200
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10	13 Habitat pilot project	Innovative technical solutions and financing mechanisms applied for the energy refurbishing of 30 dwellings (energy poverty households). Test site for 30 smart meters.	General framework for pilot projects approved by Steering Committee-Project conducted and managed by 13 Habitat- Financial Engineering and preparation of the call for tender-Selection of contractors and suppliers-Monitoring of work done-Interaction with Pilot Project Collaborative Groups-Regular reporting and guidance from Territorial Management Group-Transnational coordination through the Technical Committee-Quality Control-	Project results: new financing mobilised for energy efficiency investments, low cost technologies implemented, energy saved, changes in energy behaviours-impact on thermal comfort; input for smart-meters development adapted to low-income households needs and specificities.	Results will be aggregated with results from other pilot projects to draw conclusions on new policies to be implemented to develop energy efficiency in low income housings in the Mediterranean.	Mainstreaming and transferability : partners and stakeholders' commitment / Mediterranean operational programme Other sources of financing: third parties financing, local or regional funds, FEDER operational programme and so on	06-2012	01-2014	5 and 6	GR113	381000
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5.3 Milestones

WP1 :

- April 11/ Dec. 11/ Jan. 13/ Sept 13: Organization of four technical committee meetings. They will constitute important steps to ensure the coherence of the project implementation through the elaboration of methodological orientations.
- Every 3 or 4 months: Organization of steering committees. They will serve to set up the basis of a substantial governance of the project and an optimized cooperation between partners. They also aim at approving collectively mid-term outputs and solving implementation difficulties.

WP2:

- April 2011: Kick-off meeting and international public seminar in Roma organized by the Lead Partner, ENEA
- Dec. 2011: International conference in Malaga. It will offer the opportunity to discuss the WP4 conclusions with a panel of experts.
- Jan 2014: Final conference in Brussels. It will be used for sharing the project experimentation results with all the energy efficiency and LIH stakeholders.

WP3:

- 31st March 2014: Publication and diffusion of a series of guidelines. They will sum up and mix the project results (studies and experimentation) in three different fields: cost-effective refurbishment solutions, innovative financing mechanisms, elaboration of EE policies in LIH in the Med area.
- 31st March 2014: Stakeholders and partners' commitment. Stakeholders and partners will concretely explain their strategy to make the projects results perennial through news policies or news ways of acting.
- Jan 2014: Presentation of a macroregional operational programme during the international conference in Brussels. It constitutes the main tool to ensure the project sustainability and the integration of project results in the mainstream of cohesion policies.

WP4:

- 30th Sept. 2011: Adoption of a transnational coordinated plan. It will synthesize the analysis and scenario concerning current policies, the typology of LIH building stock and the analysis of potential savings, the prospective plan on financial resources to be mobilised and the financial packages applicable to each territory. This document will mark the transition between studies and experimentation and will be useful to prepare the action plans.

WP5:

- 30th Sept. 2011: Adoption of a consolidated action plan. It will serve to prepare the experimentation monitoring through common and pre-defined steps and tools.
- 30th June 2012: Launch of calls for tenders in each territory. They will mark the end of the experimentation preparatory phase. They will allow the selection of contractors to execute the workings.
- 31st Jan 2014: Publication of the final report describing project results, conclusions and recommendations.

WP6:

- 30th June 2012: Launch of a call for tenders to select suppliers and installers of multi-energy smart meters. It will correspond

to the end of the preparatory phase of this WP.

- 31st Jan 2014: Diffusion of a set of conclusions and recommendations. It will conclude the smart-metering experimentation and draw up consolidated conclusions.

5.4 Working Plan coherence

The project has been structured around one component dedicated to project management (WP1), one component dedicated to plan and prepare pilot projects (WP4), two technical operational components (WP5 and WP6) and two supporting components (WP2 and WP3) for communication and dissemination of results.

It is important in this project that sufficient time be allowed to conduct a large scale experimentation and evaluate results on energy consumption.

The analysis of innovative financing mechanisms will be launched at the start of the project through the organisation of working sessions and working groups with third party financing companies or institutions.

Because of the usual long delays in implementing call for tenders, some activities of WP5 and WP6 will overlap with the planning activities of WP4.

As a result, calls for tender can be launched nine months after project start and the actual refurbishing works can be implemented during 20 continuous months. The evaluation of results can also start, without affecting project integrity, 4 months before completion of the works.

The elaboration of the Mediterranean operational program which is one of the main outcome of the project can also start before the completion of the pilot projects. One year will be devoted to develop this program and have it exposed to political bodies at regional, national and European level in an attempt of a consensual approach in the context of a macroregional strategy.

5.5 Management of the project

ENEA will provide the project with the human, technical, and financial resources necessary to appropriately manage and execute this project under the MED operating programme and in its own candidacy.

As Lead Partner (LP) ENEA will comply with the regulations stated in the agreement between the LP and the Managing Authority (MA) and that between the LP and the Partnership. Lead Partner's main functions will be as follows:

- To represent the whole partnership before the MA and the Certifying Authority.
- To verify the eligibility of expenses and the regularity of the processes of certification and expenses payment.
- To ensure the correctness of the Project at a technical, economic and management level within deadlines.
- To dynamize the process and maintain the flow of information between the MA, the JTS and the Steering Committee.

The LP's control of the quality of work done in the project will take place on three levels: a) through the progress and other reports submitted by individual partners together with the related deliverables; b) through the project meetings including the Technical Committee's review of progress and the Steering Committee's validation of results; and c) through the day by day management of project activities entrusted to the Project.

With regard to internal control measures, the LP will name a general manager and a financial responsible for:

- monitoring the economic management as well as the audit trail at the level of each partner and for each payment claim, verifying that the process and all of its documentation comply with the requirements set by MED Programme authorities.
- Assessment of technical and financial reports by each partner, the Lead Partner will evaluate their contents and send a detailed report stating the progress and the degree of compliance with the objectives set for each phase of the Project. These reports, which will be issued at least every six months, will be sent to the JTS.
- Minutes will be drawn up after each meeting of the Steering Committee (SC). These will cover all of the issues addressed and the agreements reached by the SC. The mentioned minutes will be signed and ratified by the SC.
- The LP will make sure project deadlines are met.

The LP will draft an Internal Regulations for the Management Bodies of the Project in which the operating conditions of these bodies will be established. These will be ratified by the Steering Committee in its first meeting. A Management Manual will also be written out reflecting all of the matters that should be taken into account in order to guarantee the adequate economic management of the project by each partner. Among other things, it will set out the process to be followed in order to carry out certification, audit and payment claims, eligibility of CE expenses and regulations. This document intends to make partners aware of the guidelines to follow in relation to the internal management of the Project, in accordance with MED Operating Programme.

5.6 Summary of deliverables

Deliverable	Type	Value	Description
A management handbook	guide	1	The guidelines is addressed to all the partners. It will give them precise information concerning implementation steps and schedule, expenses eligibility, budget modification possibilities, communication rules and so on.
A complete project proposal sent to the JTS	other	1	ELIH-Med complete project proposal with detailed activities and deliverables, timeplan and budget. The proposal has been recorded in PRESAGE and officially sent to the JTS with official documents signed by partners' legal representatives.
Methodological papers	other	3	Methodological papers will ensure a consistant management of the project and a coherent coordination of the work packages. They will facilitate an evaluation in itinere and an ajustement of the implementation.

Agendas and minutes of the Technical Committees	other	4	The minutes of Technical Committees meetings will sum up the discussions on energy efficiency experiences and draw up orientations to facilitate the implementation of the project activities.
demands of reimbursement	other	6	Through the demands of reimbursement, the LP will ensure a constant management of the project and will try to achieve a high level of expenses execution and ensure a regular reimbursement of project expenses.
Agendas and minutes of the steering committees	other	9	The agendas and minutes will describe the organisation and content of events facilitating project implementation. Minutes particularly will be a useful tool to sum up steering committee discussions and decisions.
Communication plan	other	1	The communication plan will establish the methodology used to ensure project visibility and the public targeted; it will schedule the events to organise and will identify the major events at European level where the project should be represented.
Communication pack (brochure for the project presentation, logo...),	other	1	The communication pack will gather several dissemination tools to present the project, its objectives and activities. They will be widespread during project events or in any other event in which the project will be represented.
International events	other	3	International and Mediterranean events will ensure project visibility at 3 key moments of the project implementation. Exchange of experience on energy efficiency and promotion of the project at an international level.
guidelines on cost-effective refurbishment solutions in Med LIH	guide	1	The guidelines on cost-effective refurbishment solutions will propose methods to owners and professionals to find the most adapted way of improving energy efficiency taking into account the characteristics of the building.
guidelines on innovative financings	guide	1	The guidelines on innovative financings will detail an extensive range of financial mechanisms that could increase the amount of money available for energy efficiency operations in LIH. It will also precise how to implement these mechanisms.
Macroregional operational program on energy efficiency in LIH in the Mediterranean	other	1	Integration of the project into the structural funds mainstream via the elaboration of an operational programme on energy efficiency in Mediterranean housing, this OP could be implemented in a macro-regional perspective.

guidelines on EE policies in Med. LIH	guide	1	These guidelines will be addressed to Mediterranean decision-makers and will propose methods and recommendations to adapt local or regional energy efficiency in LIH policies to the specificities of each LIH segment of the typology (cf. 4.2).
Website with a collaborative forum	Website	1	The website will allow an effective dissemination of the project results and will facilitate a collaborative work between partners and entities concerned by the project (professionals, inhabitants, etc) through its forum.
Campaigns to raise awareness (one in each territory),	other	9	This campaign will be built in order to present the pilot project. It will also be useful to promote energy savings and individual behaviours. The local communication strategy will be adapted to territorial specificities and targetted population.
closing events (one in each territory)	other	9	The closing event will end the campaign and pilot projects experimentation. It will be useful to draw up conclusions at the pilot project level and identify potential ways to keep working on EE efficiency.
Participation to meetings on energy efficiency at European and Mediterranean levels	other	1	Inclusion of the partnership in European networks on EE - dissemination of project results towards the European Commission and other European entities - identification of new sources for financing experimentation and projects in the MED zone
Questionnaire of evaluation	other	1	The questionnaire will be a tool to gather information concerning the integration of project results in a long-term perspective. It will allow the census of partners and stakeholders' concrete commitments.
Consolidated report on project results sustainability	Report	1	The report will present a synthesis of actions to be implemented in order to capitalize on the projects achievements in a long-term perspective.
Capitalization workshops	other	4	The workshops will serve to draw up common conclusions that will constitute strong inputs to adjust the operational programme contents (common issues, common objectives).
List of 405 individual dwellings on the partners territories suitable and ready for experimentation.	other	1	The sample of selected building blocks and dwellings will be defined as representative of the LIH diversity in the Med area.
Agenda and minutes of nine « Pilot Project Collaborative Group » meetings	other	9	Inhabitants and other local stakeholders will be invited to participate into these Pilot Project Collaborative Groups which will be associated during the whole process of experimentation.

One animation team for each PPCG selected and ready to operate.	other	9	Each Collaborative Group will be monitored by an animation team composed of 2 people having expertise in this domain which will follow a common approach and will regularly report problems, progress and results to the Territorial Management Group
Methodological framework	other	1	This methodological framework approved by the Steering and Technical Committee will define the plan for a large scale experimentation process, the processes involved, the role of the different instances involved and the monitoring and evaluation process.
Consolidated analysis at Med level of territorial and national public policies, regulation frameworks and financial resources devoted to EE projects in LIH	Studies	1	Territorial and consolidated analysis of existing policies and financial resources applied to energy retrofitting in LIH in the Med area with a specific emphasis of the use and contribution of structural funds to these policies
Online database of good practices of energy retrofitting projects in LIH in the Med area	databases	1	Online consolidated and structured database on policies, regulations, financial schemes in the partner territories. Description and analysis of best practices in energy retrofitting in LIH. Current use of ERDF and innovative financing for EE in LIH.
Trend-setting scenario: impact of existing policies and financial resources available on EU 2020 objectives.	Studies	1	Projection of energy savings in LIH in 2020 in the med area based on existing policies and financial resources. Gap analysis with EU2020 objectives. Identification of institutional, financial and social barriers for energy retrofitting in LIH.
New strategy to be implemented at med level to reach EU2020 objectives	Studies	1	Scenario of a revised strategy based on new public national and regional policies and innovative financing mechanisms to be experimented during the project and progressively extended to all territories of the med area.
Typology of LIH building stock in the partner territories and in the med area	Studies	1	1- Typology of low income housing in the Med area based on building characteristics, building history, energy systems, climate and social environment 2- List and description of "representative buildings" of the building stock LIH in the med area.
Analysis of potential energy savings in "representative housing" and in the building stock of LIH	Studies	1	1- For each representative building: list of technical and non technical cost effective energy retrofitting investments based on life cycle energy cost analysis 2 Extrapolation to the low income housing stock in the med area

Prospective plan on financial resources to be mobilised to reach EU2020 objectives	Studies	1	1 Total financing to be mobilised to reach EU2020 objectives in energy savings 2 Public financing to be mobilised till 2020 3 Increasing role of ERDF and innovative financing in EE in LIH
Financial packages mixing various forms of innovative financing and public funds, backed with ERDF, to be experimented in the WP5 of the project.	other	9	Description for each financial package of the stakeholders involved as contributors, the range of applicability, the financial engineering mechanisms required, the type of investment and LIH covered, the rules and conditionalities to be applied.
Financing territorial plans	other	9	The nine territorial plans will specify how innovative financing resources will be experimented in WP5 in each territory.
Consolidated transnational coordinated plan for a real scale experimentation of innovative financing resources for EE in LIH	databases	1	The coordinated plan will specify the type of experimentation conducted in WP5. It will be demonstrative of the effects of innovative financing backed with ERDF up to the 4% limit of ERDF use in EE projects to be diffused in the Med area and participate to EU 2020 objectives.
Detailed technical and financial action plans for each individual dwelling or building block	other	405	Each action plan will include a description of the energy efficiency technical and non technical investments to be implemented for each dwelling or building block involved and a financial plan based on innovative financing backed with ERDF.
Territorial action plans	other	9	The territorial action plans will consolidate at territorial level all individual actions plans developed on the territory with all the necessary monitoring tool to follow up progress during the execution phase.
Project level action plan	other	1	The project action plan will consolidate all seven territorial plans. It will include a management software adapted to the project in order to control the implementation, monitor individual and collective progress, take corrective actions.
Financial engineering plans completed	other	9	A financial engineering plan negotiated between all financial and non financial partners involved at territorial level focused on innovative third party financing backed with public funds and ERDF
Sets of calls for tender completed and launched	other	9	For each territorial action plan, one or several calls for tender will be prepared and launched by the operational partner in accordance with national and European rules in order to select the various contractors involved in the action plans.

Regular progress reports on work in progress for each pilot project	other	45	The progress reports will be elaborated by the contracting authorities for each pilot project to present the workings progresses and identify possible problems and their solutions.
Agenda and minutes of Pilot Project Collaborative Groups meeting	other	36	Meetings of collaborative groups will permit to give feed back on the work in progress, simultaneously with the development of multi-energy smart meters.
Agenda and minutes of territorial management groups meeting	other	36	Territorial management groups will also meet regularly in order to give updated information on the development of activities. Agenda and minutes of the meetings will be available.
Regular update of activities on project monitoring software	other	45	The project monitoring software will provide updated information on project activities.
Refurbished individual dwellings	other	405	At the end of the experimentation activities, 500 individual dwellings will have been concerned by energy efficiency refurbishment or by some measures to decrease energy consumption.
Report describing project results, conclusions and recommendations on energy efficiency policy in LIH in the med area.	Report	1	The final report will include a series of conclusions on the applicability of results to the med area and the relevance of a pan mediterranean strategy and action plan on EE in LIH based on innovative financial mechanisms backed with ERDF.
Series of focused meetings with European experts, European advisory bodies and officials from the Commission and the Parliament on the report conclusions and recommendations	other	1	The recommendations will be finalised after this series of meetings and will serve as basis for the « Mediterranean Action Plan » prepared in WP3 in the context of a macro regional strategy.
Database on returns of experiences of on going projects	databases	1	The database will contain the list of ongoing projects on smart metering, their analysis as well as the analysis of their impact on the individual energy consumption.
Gap analysis between existing products and the needs of tenants or owners of LIH in the Med context	Studies	1	The gap analysis will define the gap between existing products and the potential needs of a multi-energy smart metering in LIH in the Med area. The recommendations will make proposals to improve smart metering in LIH in the Med area.
Experimentation plan approved by the Steering and Technical Comittee	other	1	The experimentation plan for smart metering in LIH will include elements on the selection of samples of LIH for experimentation, interactions with consumers, measurements of performance, new functionalities proposed by the suppliers, recommendations.

Set of selected suppliers and installers of multi-energy smart metering devices and systems	other	1	Selected suppliers and installers will conclude contractual arrangements enabling cooperative approach based on active interaction with consumers to develop a product which will help reduce their energy consumption.
Installed smart meters	other	135	Smart meters will be installed in each partner territory in selected dwellings and building blocks chosen for the experimentation of energy retrofitting conducted in WP5.
Monitoring during the experimentation and return of experience report	Report	1	The return of experience report will gather all the available information about the experimentation based on interactions between suppliers, installers, users and « PP Collaborative Groups ».
Set of conclusions and recommendations	other	1	The set of conclusions will sum up the objectives, functionalities and performance of an optimized multi-energy smart meter adapted to LIH energy efficiency requirement in the Med area and analyse its potential impact on energy consumption

5.7 Time Table

Component	Phase	2009				2010				2011				2012				2013				2014							
Work package 0: preparation costs only					P	P	P	P	P																				
	ELIH-Med candidature preparation				A	A	A	A	A																				
Work package 1: Project coordination										P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
	1. Financial and administrative management of the project									A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A				
	2. Coordination, steering and monitoring									A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A				
	3 Follow-up of activities implementation									A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A				
Work package 2: Information and awarness raising										P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
	1. Website and communication tools									A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A				
	2. International events on energy efficiency in LIH in the Mediterranean									A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A				

	3.Raising public awareness during pilot projects																	A	A	A	A	A	A	A	A						
	4. Project dissemination at a European and Mediterranean level									A	A	A	A	A	A	A	A	A	A	A	A										
Work package 3: Capitalisation and long lasting effects										P	P	P	P	P	P	P	P	P	P	P	P										
	1.Elaboration of a series of guidelines													A	A	A	A	A	A	A	A										
	2. Stakeholders and partners' commitment for project results sustainability																										A	A			
	3. Capitalization with other projects on similar subjects									A	A	A	A	A	A	A	A	A	A	A											
	4. Development of a macroregional operational programme on EE in LIH in the Mediterranean area																														
Work package 4: Energy conservation in building renovation or construction activities										P	P																				

1. Impact of current policies to improve energy efficiency in LIH in the med area																					A	A												
2. Analysis of the potential energy savings in 2020 in LIH in the Med area																						A	A											
3. Identification and evaluation of innovative financial mechanisms backed with ERDF to improve EE in LIH																						A	A											
4. Transnational coordinated plan for a large scale experimentation																							A											
Work package 5: Innovative techniques, materials and processes																						P	P	P	P	P	P	P	P	P	P	P	P	P
1. Selection of the pilot projects																							A	A										
2. Diagnosis and elaboration of an action plan for each pilot project.																							A	A										
3. Launch of the calls for tender for the selection of contractors																									A	A								

	4. Pilot projects implementation - Step 1														A	A	A											
	5. Pilot projects implementation - Step 2																		A	A	A	A	A					
	6. Evaluation of the pilot projects results and impacts on public policies																				A	A						
Work package 6: Intelligent energy management systems at local and regional level										P	P	P	P	P	P	P	P	P	P	P	P	P						
	1 Analysis of current projects of multi-energies smart metering in low-income housing (LIH) in the MED area									A	A																	
	2. Setting an experimentation plan for multi-energy smart metering in LIH in the Med area										A	A	A															
	3. Elaboration of a call for tender for multi-energy smart meters and selection of manufacturers and installers												A	A														

	4 Setting-up and monitoring of the experimentation of multi-energy smart metering in LIH in the Med area, in parallel with Act.5. 4 and 5.5														A	A	A	A	A	A	A	A			
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6. Expected results and indicators

Indicators not linked to a group

Indicator	Forecast	
Common indicators for all priorities		
European institutions involved in experimental activities (pilot activities)	Quantitative	
State administrations involved in experimental activities (pilot activities)	Quantitative	10 (Involved structures)
Local and regional authorities involved in experimental activities (pilot activities)	Quantitative	15 (Involved structures)
Other public and semi-public bodies involved in experimental activities (pilot activities)	Quantitative	20 (Involved structures)
Private sector structures and networks involved in experimental activities (pilot activities)	Quantitative	10 (Involved structures)
Third sector organisms involved in experimental activities (pilot activities)	Quantitative	10 (Involved structures)
Specific partners involved in experimental activities (pilot activities)	Quantitative	5 (Involved structures)
Number of communication tools developed from the following list: brochures, DVD, Cd Rom, video, guides, etc. (indicate the number)	Quantitative	20 (Communication tools)
European institutions towards which communication tools will be disseminated	Quantitative	8 (Target structures for communication tool dissemination)
State Administrations towards which communication tools will be disseminated	Quantitative	21 (Target structures for communication tool dissemination)
Local and Regional Authorities towards which communication tools will be disseminated	Quantitative	100 (Target structures for communication tool dissemination)
Other public and semi-public bodies towards which communication tools will be disseminated	Quantitative	100 (Target structures for communication tool dissemination)
Private sector towards which communication tools will be disseminated	Quantitative	1000 (Target structures for communication tool dissemination)
General Public towards which communication tools will be disseminated	Quantitative	5000000 (Target structures for communication tool dissemination)

Specific partners towards which communication tools will be disseminated	Quantitative	15 (Target structures for communication tool dissemination)
Number of websites developed	Quantitative	1 (Website)
Number of connexion to the web sites	Quantitative	15000 (connexions to website)
Number of data bases developed	Quantitative	2 (databases)
Number of updated on-line data bases which will remain usable even after the closure of the project	Quantitative	2 (databases)
Number of targeted communication actions carried out by the partnership from the following list: events, seminars, conferences, exhibitions, information and awareness raising campaigns, etc	Quantitative	30 (communication action)
European institutions concerned by communication actions	Quantitative	8 (Target structures for communication actions)
State Administration concerned by communication actions	Quantitative	21 (Target structures for communication actions)
Local and Regional Authorities concerned by communication actions	Quantitative	60 (Target structures for communication actions)
Other public and semi-public bodies concerned by communication actions	Quantitative	100 (Target structures for communication actions)
Private sector concerned by communication actions	Quantitative	100 (Target structures for communication actions)
General Public concerned by communication actions	Quantitative	5000000 (Target structures for communication actions)
Specific partners concerned by communication actions	Quantitative	100 (Target structures for communication actions)
Number of projects' visits, press workshops and/or press conferences, press releases	Quantitative	50 (project's visit, press workshop, press conference, press release)
Number of articles published (press)/broadcasted (radio, television)	Quantitative	60 (articles published/broadcasted)
Specific indicators of the priority		
New networks of competent authorities/structures	Quantitative	1 (Permanent networks established)
Common joint plans, methodologies, tools and guidelines	Quantitative	13 (Joint implementation or working plans or strategies)
Joint strategies and agreements	Quantitative	1 (Joint implementation or working plans or strategies)

Transnational activities for awareness raising	Quantitative	8 (Involved structures)
Seminars and forums at transnational level	Quantitative	7 (Involved structures)

7. Specific indicators for strategic projects

7.1 Identification of problems, weaknesses or needs to take into account in order to reach the objectives of the strategic project

	value
Qualitative indicators	
Number and nature of problems identified	Four major type of problems have been identified: -Coordination within partners and pilot projects -Mobilisation of financial and human ressources -Technical feasibility of solutions proposed -Lack of political support
Type of problems, weaknesses or needs to be addressed by project activities	1-Difficult coordination of a large number of partners involved working in a diversified political, legal and organisational environment 2-Technical solutions and financing mechanisms to be experimented are too complex or inappropriate in the context of low income housing in the Med area 3-Difficulties or delays in mobilising financial counterpart or complementary ressources to conduct pilot projects 4-Operational difficulties in implementing pilot projects (delays, quality of the work done, difficulties to measure impact on energy consumption) 5-Difficulties in reaching and mobilising the populations targeted in pilot projects 6-Lack of coordination between pilot projects leading to reduce transferability of results 7-Lack of political support to develop an operational program in the context of a macroregional strategy

7.2 Tools and solutions created to address these problems, weaknesses and needs

	value
Quantitative indicators	
Number of structures participating to the implementation of solutions	All partners and associated partners will be mobilised for the implementation of solutions
Qualitative indicators	

Type of tools or solutions provided	<p>1- Project management software tool will be installed to monitor in real time project activities and have an early detection of discrepancies; capacity given to the Steering Committee to bring urgent decisions about possible difficulties in the realisation of the foreseen actions, also through written procedure</p> <p>2-The solutions which will be tested will have been applied elsewhere in Europe with success even on a small scale; the feasibility and applicability in the project context will also be challenged by operational partners, by the Technical Committee and the territorial Management Groups before being passed for experimentation</p> <p>3-The selection of pilot projects will include as criteria the feasibility of mobilising co-financing and complementary financing resources</p> <p>4- Strict quality control over contractor's work by the pilot project manager; Stop any work which would not enter in the scope of the project; Have procedures in place to monitor work done and react rapidly on problems which could arise</p> <p>5-Diversified communication tools and methods will be developed to reach a population which is diverse by nature and "far to reach" with traditional policy tools.</p> <p>6- The call for tender for pilot projects will be coordinated and approved at transnational level to avoid discrepancies; The Steering Committee will be informed of interim results and will react rapidly on problems</p> <p>7-If a consensus at Mediterranean scale cannot be reached, alternatives will be proposed to the Steering Committee</p>
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7.3 Expected results

	value
Quantitative indicators	
Number of structures benefiting from solutions offered (in the project eligible space or beyond; please specify)	About 1000 structures (public and private) could benefit from solutions offered
Qualitative indicators	

Type of structures benefiting from solutions offered (in the project eligible space or beyond: please specify)	<ul style="list-style-type: none"> -European structures dealing with EU2020 objectives European structures dealing with regional policy and Structural Funds -European structures dealing with Mediterranean strategy Specialised commissions of the European Parliament National Ministries in Mediterranean Member States in charge of Environment and energy National Ministries in Mediterranean Member States in charge of housing national and regional energy agencies Public and private social housing operators Regions and local authorities Regional and local energy agencies Regional and local housing authorities Building owners associations Tenants associations Private sector involved in energy renovation Energy companies Financial institutions involved in energy conservation, social and low income housings, Social services in contact with low income residents NGO's operating in energy poverty
Types of expected results for the different activities of the project	The main expected result will be to demonstrate that practical technical and financial solutions exist and can be applied in order to develop energy efficiency in the segment of low income houses which is today far to reach with traditional policies.
Method used to analyse the results of the activities of the project	The project will lead to provide public authorities, agencies, institutions, operators dealing with low income housing with innovative practical and experimented solutions to develop energy efficiency investments in low income housings. The political consensus which will be reached concerning the applicability of results through the operational program will be the best way to measure the results of the activities of the project.

7.4 Capacity of project activities to trigger other financing

	value
Quantitative indicators	
Amount of new financing foreseen	To conduct the experimentations (WP 5 and WP 6), it is expected that operational partners will provide on their own funds supplementary financing. The amount of new financing will depend on the pilot projects. We can roughly expect that new financing will be in the order of 5 000 euros per dwelling renovated and so for a total of 2,5 millions euros.
Qualitative indicators	
Type of activities that need bigger scale financing	The project could lead to provide practical solutions to renovate 100 000 dwellings per year in the Med area. The experimentations of the same type already conducted in other parts of Europe have led to anticipate a leverage of one to five on structural funds for energy related projects.
Type of institutions and/or programmes with whom cooperation are launched to capitalise and promote the results of the project	Regional and local authorities, social house operators, social house interest groups at European level, third party financing bodies, NGO's and institutions dealing with energy poverty.

Type of financing triggered	Financing triggered will be mixing public funds (local, regional, national) and private funds backed with ERDF.
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7.5 Consequences of project activities

	value
Qualitative indicators	
Type of new projects, new activity plans, by the end of the project	The project objective is to stimulate energy refurbishing projects in the Med area. The housing stock targeted represents approximately 15 million dwellings. The solutions experimented in the project with the backing of ERDF could lead to renovate about 100 000 dwellings a year which otherwise would not have benefited from existing public policies.
Type of structures involved	The structures involved are regional and local authorities, social house operators, third party financing bodies, small owners associations, NGO's dealing with energy poverty.

7.6 Information dissemination (best practises, tools, policy instruments...)

	value
Quantitative indicators	
Number of structures reached	700 structures reached (European institutions, Public and private entities)
Number of dissemination events organised	18 national and international events
Number of structures affected	Over 1000 structures affected dealing with energy efficiency policy
Qualitative indicators	
Type of target group	European bodies in charge of structural funds and energy European public and private networks Regional and local policy makers Social house operators Third party financing bodies Tenants of social house Owners occupiers with low income Households in a state of energy poverty Professional associations of builders and artisans
Method of dissemination	-Seminars, Conferences -Website -Capitalisation workshops with other programs -Local sensibilisation campaigns -Press conferences -Direct contacts with high level policymakers -Dissemination through Public and private networks involved in the project -Participation to Med Program capitalisation activities

Nature of the foreseen impact of dissemination	<ul style="list-style-type: none"> - Reach EU2020 objectives concerning energy reduction in housing -Focus energy efficiency policies on low income housings -Increase the amount of public and private financing backed with ERDF dedicated to energy efficiency in low income housings -Increase awareness amongst the population targeted
Method of analysing the impact	<ul style="list-style-type: none"> -Number of low income houses refurbished -New policies implemented towards low income households -Increase in structural funds allocated to energy efficiency -Stakeholders and partners commitments -New public and private investments generated dedicated to energy efficiency in low income houses -Consensus on a pan Mediterranean operational plan -Number on Internet connections -Number of press articles on the project

- III - ORGANISATION AND COMPETENCES OF THE PARTNERSHIP

1. Composition, relevance and competence of the partnership

ELIH-Med includes 18 partners from 7 Member States. They all are first tier partners having direct responsibilities in energy efficiency in low income housing and can create the expected leverage effects at European and Mediterranean level.

The structure and the composition of the partnership mixing national, regional and local institutional and operational entities are perfectly adapted to the operational objectives of the project and to conduct the various activities planned.

An important role is devoted to energy agencies at national and local level (ENEA, CRES, MIEMA, CEA) due their prime responsibility in developing and implementing public policies in energy conservation.

Research centres and NGOs specialised in energy conservation in buildings (CSTB,IJS,GERES) will bring their expertise in technical solutions adapted to energy efficiency in low income housing.

IM, ISNOVA and CPMR will play an important role in dissemination and capitalization.

Operational activities which represent approximately 65% of total effort will be conducted by partners who are, in their capacity, directly involved into energy refurbishing projects: social housing operators (IVE,DUTH,LAORE), or engineering branches of regional and local administrations (Malaga, Genova, Frattamaggiore, Region Languedoc Roussillon and Region East Macedonia Thrace, Generalitat Valenciana and Region Sardinia are associated partners).

2. Functions of the steering committee of the project

A Steering Committee will be set up as the decision-making body for the project. It will be made up of a representative from each partner appointed by the legal representative and it will be coordinated by the Lead Partner. All members of the SC will have equal relevance regardless of their technical functions within the project. The SC will be assisted by a Technical Committee.

The main functions of the SC are:

- To guarantee compliance with the regulations set out in the Partnership Agreement (as well as any other internal instructions adopted by the SC)
- To watch over adequate development of financial and technical actions on the part of the partners throughout all the stages and deadlines set up in the candidacy
- To verify compliance with the objectives set regarding results reached in each phase of the project
- To guarantee information flow into all partners
- To approve and promote information dissemination at a local, regional, national and transnational level
- To hold periodic meetings for the purpose of discussing technical and financial issues, of checking the degree of development, and of proposing strategies that favour or improve the achievement of the proposed objectives.

Communication between partners will be ensured through a forum reserved on the web site. The LP will upload communications of Med authorities, decisions of the SC, working plan, technical working documentation, resolution of doubts and suggestions sections.

3. Organisation chart

All major decisions and orientations concerning the project will be taken by the Steering Committee whose composition and role have been defined above.

A Technical Committee (TC) will be set up reporting to the Steering Committee whose role will be to provide informations and recommendations concerning the general orientation of the project, the technical and financial options that will be selected, the different action plans developed to conduct the pilot projects, the monitoring of the works, the transferability of results to other Med territories. This TC will be composed of experts designated by the partners with practical experience in energy efficiency in low income housings (one expert per partner). Three additional experts will be designated by the SC from other European countries (UK, Germany and one of the new member States).

Ten Territorial Management Groups (TMG) will be installed (one per pilot project site) to monitor the project implementation in their territory. TMG's will be coordinated by the operational partner in charge of conducting the pilot project and will be composed of all public and private institutional, financial and operational entities involved in the implementation of the project.

Ten Pilot Projects Collaborative Groups (PPCG) will be set up (one on each pilot project site), composed of representatives of owners and tenants and other local stakeholders involved in order to have them actively participate into the whole process.

4. Sharing of technical activities between the partners

ENEA as Lead Partner will bring its experience and competence in all technical activities.

ISNOVA will be in charge of developing and maintaining the web site and other communication tools.

CRES is the Greek national entity for the promotion of energy conservation and implements innovative projects and significant activities for the promotion and market penetration of new energy technologies. CRES will be in charge of carrying and coordinating all analysis on present public policies, develop scenarios on potential savings, identify innovative financial mechanisms backed with structural funds and prepare new policy instruments (technical and financial) which will be evaluated during pilot projects.

CSTB is one of Europe's leading research and evaluation centres in technologies and materials for the building industry. Through its energy division CSTB will coordinate the large scale experimentation described in WP5. The partner will develop the methodological framework for the implementation of the pilot projects, identify and analyse all cost effective technical solutions for energy refurbishing in low income houses, monitor implementation, measure impact on energy saving and finalize project results.

GERES has a long experience in European energy efficiency projects related to low income households. GERES will give advice and recommendations on all technical activities during the project and will coordinate the Technical Committee reporting to the Steering Committee.

IM will be in charge of the capitalisation activities and the elaboration of the operational program.

IJS will be in charge of the WP6 coordination (smart meters experimentation).

CPMR will have a strong role in disseminating and capitalizing results.

The implementation of pilot projects (PP) will be under the full responsibility of :

-The City of MALAGA through its Municipal Housing Institute for a pilot project of 60 dwellings in Malaga (tenants in social housing) and 15 smart meters

-IVE (Valencia Institute of Building Foundation) for a pilot project of 50 dwellings in Valencia (owner occupiers) and 15 smart meters

-13 Habitat for a pilot project of 30 dwellings in the province of Bouches du Rhône (owned by 13 Habitat, which is a social landlord) and about 30 smart meters

-The City of GENOA for a pilot project concerning 45 dwellings in Genoa (tenants in social housing)

-LAORE SARDINIA for a pilot project of 30 dwellings in Sardinia (rural areas)

-DUTH is a university owning 5 students' residences; it will conduct a pilot project on 110 dwellings in these residences, and 30 smart meters, in collaboration with CRES and REMTH

-MIEMA for a pilot project of 35 dwellings in Malta (energy poverty) and 15 smart meters

-CEA for a pilot project of 25 dwellings in Cyprus and 10 smart meters

-City of Frattamaggiore for a pilot project of 20 dwellings (suburban area)

-Region LANGUEDOC-ROUSSILLON will install 20 smart meters in recently refurbished dwellings

- IV - MEASURES FOR INFORMATION, PUBLICITY AND CAPITALISATION – VALORISATION OF THE PROJECT

1. Description of the strategy of capitalisation and utilisation of the results of the project

The project's capitalisation strategy will carry out the following strands:

1-Elaboration of a series of three multilingual guidelines on: cost-effective refurbishment solutions in Med low income housing; innovative financing and use of the structural funds to invest in energy performance; best practices on energy efficiency policies in low income housing.

2-Partners commitment on how they will concretely integrate project results in their policies, project and practices (i.e. modification of subvention terms of reference for workings subvention, modification of their convention with social housing operators, transferability of the collaborative process tested during the project...).

3- Organization of shared capitalization events and workshops with projects on similar subjects : CONCERTO, Intelligent Energy Europe, South East Europe, classic MED projects or Euromediterranean projects that could be implemented within IEVP or UfM.

4-Dissemination of results and shared capitalization with major European networks dealing with energy efficiency, social and low income housing : Covenant of the Mayors, CECODHAS, ICLEI, UMAR.

5- Development of a macroregional operational program on Energy efficiency in low income housing in the Mediterranean area which will be presented and discussed within the political instances of the CPMR and presented to Members States and the Commission as a component of a Mediterranean macroregional strategy.

2. Description of the communication plan of the project

ELIH-Med's communication plan aims to disseminate the project throughout its development stages. The tools to implement the communication strategy will be the following:

1. Holding interregional and transnational events where the results will be presented to the interested public. The participation of experts and all key actors in the fields covered by the project will complete the technical view provided by members of the project.
2. Taking part in regional and/or national events related to energy efficiency in low income housings.
3. An awareness campaign towards the populations targeted in the partners' territories where experimentation will take place.
4. Development of a multilingual portal from where to get access to the results and activities summaries of the partners.
5. Development of a Collaborative Forum on the portal for the purpose of enabling citizen participation in the development of the project, and of collecting information and suggestions on the part of users.

6. Preparation and distribution of the multilingual ELIH-Med publication which will contain a document reviewing all of the working lines developed by the project and the results achieved
7. Using the partners' institutional web sites to disseminate information.
8. Publication in local, regional, and national press as well as in specialised journals.
9. Information brochures will be edited and sent to a list of European stakeholders dealing with energy efficiency in low income housings.

- V - FINANCIAL SECTION

1. Funding per partner

ERDF

Name of partner	ERDF	% ERDF	Public contributor				Total	
			State	Regions and Local authorities	Other public institutions	Public total financing		
National Agency for New Technologies, Energy and Sustainable Economic Development	250,275.00 €	75.00 %	83,425.00 €	0.00 €	0.00 €	83,425.00 €	333,700.00 €	
Mediterranean Institute	297,975.00 €	75.00 %	0.00 €	99,325.00 €	0.00 €	99,325.00 €	397,300.00 €	
Malaga City Council	668,250.00 €	75.00 %	0.00 €	222,750.00 €	0.00 €	222,750.00 €	891,000.00 €	
Institute for the Promotion of Technological innovation	135,075.00 €	75.00 %	0.00 €	0.00 €	45,025.00 €	45,025.00 €	180,100.00 €	
Centre for Renewable Energy Sources and Saving	346,575.00 €	75.00 %	115,525.00 €	0.00 €	0.00 €	115,525.00 €	462,100.00 €	
Malta Intelligent Energy Management Agency	473,705.00 €	85.00 %	0.00 €	0.00 €	83,595.00 €	83,595.00 €	557,300.00 €	
Cyprus Energy Agency	440,130.00 €	85.00 %	0.00 €	77,670.00 €	0.00 €	77,670.00 €	517,800.00 €	
Jozef Stefan Institute	211,565.00 €	85.00 %	37,335.00 €	0.00 €	0.00 €	37,335.00 €	248,900.00 €	
LAORE SARDEGNA	530,775.00 €	75.00 %	176,925.00 €	0.00 €	0.00 €	176,925.00 €	707,700.00 €	
Valencia Institute of Building Foundation	512,475.00 €	75.00 %	0.00 €	170,825.00 €	0.00 €	170,825.00 €	683,300.00 €	
Municipality of Genoa	574,275.00 €	75.00 %	191,425.00 €	0.00 €	0.00 €	191,425.00 €	765,700.00 €	

CSTB - Building scientific and technical centre	239,100.00 €	75.00 %	79,700.00 €	0.00 €	0.00 €	79,700.00 €	318,800.00 €	
Languedoc Roussillon Regional Council	162,750.00 €	75.00 %	0.00 €	54,250.00 €	0.00 €	54,250.00 €	217,000.00 €	
GERES- renewable energies, Environment and Solidarity Group	218,007.00 €	75.00 %	0.00 €	0.00 €	72,669.00 €	72,669.00 €	290,676.00 €	
Region of East Macedonia and Thrace	186,375.00 €	75.00 %	0.00 €	62,125.00 €	0.00 €	62,125.00 €	248,500.00 €	
Municipality of Frattamaggiore	276,525.00 €	75.00 %	0.00 €	92,175.00 €	0.00 €	92,175.00 €	368,700.00 €	
13 Habitat	370,575.00 €	75.00 %	0.00 €	123,525.00 €	0.00 €	123,525.00 €	494,100.00 €	
Democritus University of Thrace - DUTH	947,790.00 €	75.00 %	315,930.00 €	0.00 €	0.00 €	315,930.00 €	1,263,720.00 €	
Sub total	6,842,197.00 €		1,000,265.00 €	902,645.00 €	201,289.00 €	2,104,199.00 €	8,946,396.00 €	
Conference of Peripheral Maritime Regions	150,600.00 €	75.00 %	0.00 €	0.00 €	50,200.00 €	50,200.00 €	200,800.00 €	
Sub total	150,600.00 €		0.00 €	0.00 €	50,200.00 €	50,200.00 €	200,800.00 €	
Total	6,992,797.00 €	76.45	1,000,265.00 €	902,645.00 €	251,489.00 €	2,154,399.00 €	9,147,196.00 €	
Total %	76.45 %	76.45 %	46.43 %	41.90 %	11.67 %	23.55 %	100 %	

2. Origin of public funds

ERDF

Name of partner	Public contributor	Total	Legal basis			
National Agency for New Technologies, Energy and Sustainable Economic Development	ERDF	250,275.00 €	250,275.00 €	ERDF		

	State	83,425.00 €	83,425.00 €	National Rotation Fund, Decision of Interministerial Committee for Economic Programming (C.I.P.E.)	2007-06-15	Resolution N°36/2007
	Regions and Local authorities	0.00 €				
	Other public institutions	0.00 €				
Mediterranean Institute	ERDF	297,975.00 €	297,975.00 €	ERDF		
	State	0.00 €				
	Regions and Local authorities	99,325.00 €	99,325.00 €	Mediterranean Institute	2010-09-13	Commitment Letter
	Other public institutions	0.00 €				
Malaga City Council	ERDF	668,250.00 €	668,250.00 €	ERDF		
	State	0.00 €				
	Regions and Local authorities	222,750.00 €	222,750.00 €	Malaga City Council	2010-09-06	Commitment Letter
	Other public institutions	0.00 €				
Institute for the Promotion of Technological innovation	ERDF	135,075.00 €	135,075.00 €	ERDF		
	State	0.00 €				
	Regions and Local authorities	0.00 €				
	Other public institutions	45,025.00 €	45,025.00 €	Institute for the Promotion of Technological innovation	2010-08-27	Commitment Letter

Centre for Renewable Energy Sources and Saving	ERDF	346,575.00 €	346,575.00 €	ERDF		
	State	115,525.00 €	115,525.00 €	Public Investments Fund Programme	2012-06-12	Commitment letter
	Regions and Local authorities	0.00 €				
	Other public institutions	0.00 €				
Malta Intelligent Energy Management Agency	ERDF	473,705.00 €	473,705.00 €	ERDF		
	State	0.00 €				
	Regions and Local authorities	0.00 €				
	Other public institutions	83,595.00 €	83,595.00 €	Malta Intelligent Energy Management Agency	2010-08-21	Commitment Letter
Cyprus Energy Agency	ERDF	440,130.00 €	440,130.00 €	ERDF		
	State	0.00 €				
	Regions and Local authorities	77,670.00 €	77,670.00 €	Cyprus Energy Agency	2010-09-06	Commitment letter
	Other public institutions	0.00 €				
Jozef Stefan Institute	ERDF	211,565.00 €	211,565.00 €	ERDF		
	State	37,335.00 €	37,335.00 €	Jozef Stefan Institute	2010-08-27	Commitment Letter
	Regions and Local authorities	0.00 €				
	Other public institutions	0.00 €				

LAORE SARDEGNA	ERDF	530,775.00 €	530,775.00 €	ERDF		
	State	176,925.00 €	176,925.00 €	National Rotation Fund, Decision of Interministerial Committee for Economic Programming (C.I.P.E.)	2007-06-15	Resolution N°36/2007
	Regions and Local authorities	0.00 €				
	Other public institutions	0.00 €				
Valencia Institute of Building Foundation	ERDF	512,475.00 €	512,475.00 €	ERDF		
	State	0.00 €				
	Regions and Local authorities	170,825.00 €	170,825.00 €	Valencia Institute of Building Foundation	2010-07-20	Commitment Letter
	Other public institutions	0.00 €				
Municipality of Genoa	ERDF	574,275.00 €	574,275.00 €	ERDF		
	State	191,425.00 €	191,425.00 €	National Rotation Fund, Decision of Interministerial Committee for Economic Programming (C.I.P.E.)	2007-06-15	Resolution N°36/2007
	Regions and Local authorities	0.00 €				
	Other public institutions	0.00 €				
CSTB - Building scientific and technical centre	ERDF	239,100.00 €	239,100.00 €	ERDF		

	State	79,700.00 €	79,700.00 €	CSTB - Building scientific and technical centre	2010-09-06	Commitment Letter
	Regions and Local authorities	0.00 €				
	Other public institutions	0.00 €				
Languedoc Roussillon Regional Council	ERDF	162,750.00 €	162,750.00 €	ERDF		
	State	0.00 €				
	Regions and Local authorities	54,250.00 €	54,250.00 €	Languedoc Roussillon Regional Council	2010-09-08	Commitment Letter
	Other public institutions	0.00 €				
GERES- renewable energies, Environment and Solidarity Group	ERDF	218,007.00 €	218,007.00 €	ERDF		
	State	0.00 €				
	Regions and Local authorities	0.00 €				
	Other public institutions	72,669.00 €	72,669.00 €	GERES- renewable energies, Environment and Solidarity Group	2010-09-09	Commitment Letter
Region of East Macedonia and Thrace	ERDF	186,375.00 €	186,375.00 €	ERDF		
	State	0.00 €				
	Regions and Local authorities	62,125.00 €	62,125.00 €	Region of East Macedonia and Thrace	2010-09-08	Commitment Letter

	Other public institutions	0.00 €				
Municipality of Frattamaggiore	ERDF	276,525.00 €	276,525.00 €	ERDF		
	State	0.00 €				
	Regions and Local authorities	92,175.00 €	92,175.00 €	Municipality of Frattamaggiore	2010-09-08	Commitment Letter
	Other public institutions	0.00 €				
13 Habitat	ERDF	370,575.00 €	370,575.00 €	ERDF		
	State	0.00 €				
	Regions and Local authorities	123,525.00 €	123,525.00 €	13 HABITAT		
	Other public institutions	0.00 €				
Democritus University of Thrace - DUTH	ERDF	947,790.00 €	947,790.00 €	ERDF		
	State	315,930.00 €	315,930.00 €	Public Investments Fund Programme	2012-10-04	Commitment Letter
	Regions and Local authorities	0.00 €				
	Other public institutions	0.00 €				
Conference of Peripheral Maritime Regions	ERDF	150,600.00 €	150,600.00 €	ERDF		
	State	0.00 €				
	Regions and Local authorities	0.00 €				
	Other public institutions	50,200.00 €	50,200.00 €	Conference of Peripheral Maritime Regions	2010-09-08	Commitment Letter

3. Origin of other fundings

4. Budget of the working plan and the implementation phases of the project

	Work package 0: preparation costs only	Work package 1: Project coordination	Work package 2: Information and awarness raising	Work package 3: Capitalisation and long lasting effects	Work package 4: Energy conservation in building renovation or construction activities	Work package 5: Innovative techniques, materials and processes	Work package 6: Intelligent energy management systems at local and regional level	Total
Staff costs	26,500.00 €	650,223.00 €	267,320.00 €	211,577.84 €	345,105.16 €	756,000.00 €	324,714.00 €	2,581,440.00 €
Durable goods	0.00 €	44,500.00 €	0.00 €	0.00 €	0.00 €	0.00 €	14,000.00 €	58,500.00 €
Consumable goods	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Travel	3,500.00 €	200,800.00 €	150,600.00 €	63,200.00 €	4,700.00 €	65,850.00 €	13,620.00 €	502,270.00 €
Services (except external expertise)	0.00 €	56,100.00 €	154,000.00 €	13,715.00 €	34,037.00 €	3,694,500.00 €	264,481.00 €	4,216,833.00 €
External expertise	0.00 €	322,903.00 €	246,800.00 €	97,500.00 €	99,800.00 €	477,100.00 €	80,000.00 €	1,324,103.00 €
Promotion, information and publication	0.00 €	6,900.00 €	347,500.00 €	45,000.00 €	0.00 €	21,000.00 €	20,150.00 €	440,550.00 €
Overheads	0.00 €	23,500.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	23,500.00 €
Other	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Total	30,000.00 €	1,304,926.00 €	1,166,220.00 €	430,992.84 €	483,642.16 €	5,014,450.00 €	716,965.00 €	9,147,196.00 €

5. Detail of the expenditures foreseen for each partner

National Agency for New Technologies, Energy and Sustainable Economic Development

		Work package 0: preparation costs only	Work package 1: Project coordination	Work package 2: Information and awareness raising	Work package 3: Capitalisation and long lasting effects	Work package 4: Energy conservation in building renovation or construction activities	Work package 5: Innovative techniques, materials and processes	Work package 6: Intelligent energy management systems at local and regional level	Total
Staff costs	Project Manager	1,500.00 €	16,150.00 €	12,400.00 €	2,900.00 €	2,500.00 €	3,500.00 €	6,000.00 €	44,950.00 €
	Project Assitants	500.00 €	37,250.00 €	32,800.00 €	6,300.00 €	7,500.00 €	10,500.00 €	6,000.00 €	100,850.00 €
Durable goods	Durable goods	0.00 €	3,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	3,000.00 €
Travel	Transport	700.00 €	4,200.00 €	5,700.00 €	8,700.00 €	300.00 €	1,400.00 €	0.00 €	21,000.00 €
	Subsistance expenses	300.00 €	4,800.00 €	2,700.00 €	3,500.00 €	200.00 €	600.00 €	0.00 €	12,100.00 €
Services (except external expertise)	Events	0.00 €	7,000.00 €	10,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	17,000.00 €
	Refurbishment workings	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Smart meters installation and monitoring	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Invitation of local stakeholders	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
External expertise	Auditor	0.00 €	4,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	4,000.00 €
	Technical expertise	0.00 €	15,000.00 €	74,800.00 €	32,000.00 €	0.00 €	0.00 €	0.00 €	121,800.00 €
	Animator	0.00 €	0.00 €	4,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	4,000.00 €
	Accountant	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Promotion, information and publication	Website and graphic tools	0.00 €	0.00 €	5,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	5,000.00 €

	Publications	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Awareness campaign	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Overheads	Overheads	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Total	3,000.00 €	91,400.00 €	147,400.00 €	53,400.00 €	10,500.00 €	16,000.00 €	12,000.00 €	333,700.00 €

Mediterranean Institute

		Work package 0: preparation costs only	Work package 1: Project coordination	Work package 2: Information and awareness raising	Work package 3: Capitalisation and long lasting effects	Work package 4: Energy conservation in building renovation or construction activities	Work package 5: Innovative techniques, materials and processes	Work package 6: Intelligent energy management systems at local and regional level	Total
Staff costs	Project Manager	8,000.00 €	35,900.00 €	6,800.00 €	22,000.00 €	2,500.00 €	3,500.00 €	2,000.00 €	80,700.00 €
	Project Assitants	16,500.00 €	65,500.00 €	1,800.00 €	61,000.00 €	7,500.00 €	10,500.00 €	6,000.00 €	168,800.00 €
Durable goods	Durable goods	0.00 €	3,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	3,000.00 €
Travel	Transport	1,700.00 €	5,600.00 €	8,200.00 €	12,800.00 €	300.00 €	1,400.00 €	0.00 €	30,000.00 €
	Subsistance expenses	800.00 €	5,400.00 €	3,600.00 €	7,200.00 €	200.00 €	600.00 €	0.00 €	17,800.00 €
Services (except external expertise)	Events	0.00 €	0.00 €	0.00 €	8,000.00 €	0.00 €	0.00 €	0.00 €	8,000.00 €
	Refurbishment workings	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Smart meters installation and monitoring	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Invitation of local stakeholders	0.00 €	0.00 €	5,000.00 €	4,000.00 €	0.00 €	0.00 €	0.00 €	9,000.00 €
External expertise	Auditor	0.00 €	15,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	15,000.00 €

	Technical expertise	0.00 €	0.00 €	0.00 €	35,000.00 €	0.00 €	0.00 €	0.00 €	35,000.00 €
	Animator	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Accountant	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Promotion, information and publication	Website and graphic tools	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Publications	0.00 €	0.00 €	0.00 €	30,000.00 €	0.00 €	0.00 €	0.00 €	30,000.00 €
	Awareness campaign	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Overheads	Overheads	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Total	27,000.00 €	130,400.00 €	25,400.00 €	180,000.00 €	10,500.00 €	16,000.00 €	8,000.00 €	397,300.00 €

Malaga City Council

		Work package 0: preparation costs only	Work package 1: Project coordination	Work package 2: Information and awareness raising	Work package 3: Capitalisation and long lasting effects	Work package 4: Energy conservation in building renovation or construction activities	Work package 5: Innovative techniques, materials and processes	Work package 6: Intelligent energy management systems at local and regional level	Total
Staff costs	Project Manager	0.00 €	9,400.00 €	3,300.00 €	500.00 €	7,750.00 €	14,250.00 €	3,100.00 €	38,300.00 €
	Project Assitants	0.00 €	11,000.00 €	4,300.00 €	1,500.00 €	23,250.00 €	42,750.00 €	9,300.00 €	92,100.00 €
Durable goods	Durable goods	0.00 €	3,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	14,000.00 €	17,000.00 €
Travel	Transport	0.00 €	8,100.00 €	9,200.00 €	0.00 €	0.00 €	1,400.00 €	0.00 €	18,700.00 €
	Subsistence expenses	0.00 €	7,200.00 €	4,800.00 €	0.00 €	0.00 €	600.00 €	0.00 €	12,600.00 €
Services (except external expertise)	Events	0.00 €	7,000.00 €	32,000.00 €	0.00 €	5,500.00 €	1,500.00 €	1,500.00 €	47,500.00 €
	Refurbishment workings	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	486,800.00 €	0.00 €	486,800.00 €

	Smart meters installation and monitoring	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Invitation of local stakeholders	0.00 €	0.00 €	2,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	2,000.00 €
External expertise	Auditor	0.00 €	15,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	15,000.00 €
	Technical expertise	0.00 €	8,000.00 €	10,000.00 €	0.00 €	5,800.00 €	54,500.00 €	26,000.00 €	104,300.00 €
	Animator	0.00 €	0.00 €	15,000.00 €	0.00 €	1,200.00 €	10,500.00 €	0.00 €	26,700.00 €
	Accountant	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Promotion, information and publication	Website and graphic tools	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Publications	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Awareness campaign	0.00 €	0.00 €	30,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	30,000.00 €
Overheads	Overheads	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Total	0.00 €	68,700.00 €	110,600.00 €	2,000.00 €	43,500.00 €	612,300.00 €	53,900.00 €	891,000.00 €

Institute for the Promotion of Technological innovation

		Work package 0: preparation costs only	Work package 1: Project coordination	Work package 2: Information and awarness raising	Work package 3: Capitalisation and long lasting effects	Work package 4: Energy conservation in building renovation or construction activities	Work package 5: Innovative techniques, materials and processes	Work package 6: Intelligent energy management systems at local and regional level	Total
Staff costs	Project Manager	0.00 €	23,123.00 €	56,000.00 €	6,600.00 €	13,237.00 €	12,030.00 €	1,200.00 €	112,190.00 €
	Project Assitants	0.00 €	14,500.00 €	24,000.00 €	2,400.00 €	5,440.00 €	8,970.00 €	800.00 €	56,110.00 €
Durable goods	Durable goods	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €

Travel	Transport	0.00 €	2,760.00 €	1,200.00 €	0.00 €	0.00 €	1,400.00 €	0.00 €	5,360.00 €
	Substance expenses	0.00 €	1,240.00 €	1,300.00 €	0.00 €	0.00 €	600.00 €	0.00 €	3,140.00 €
Services (except external expertise)	Events	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Refurbishment workings	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Smart meters installation and monitoring	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Invitation of local stakeholders	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
External expertise	Auditor	0.00 €	3,300.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	3,300.00 €
	Technical expertise	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Animator	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Accountant	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Promotion, information and publication	Website and graphic tools	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Publications	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Awareness campaign	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Overheads	Overheads	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Total	0.00 €	44,923.00 €	82,500.00 €	9,000.00 €	18,677.00 €	23,000.00 €	2,000.00 €	180,100.00 €

Centre for Renewable Energy Sources and Saving

		Work package 0: preparation costs only	Work package 1: Project coordination	Work package 2: Information and awareness raising	Work package 3: Capitalisation and long lasting effects	Work package 4: Energy conservation in building renovation or construction activities	Work package 5: Innovative techniques, materials and processes	Work package 6: Intelligent energy management systems at local and regional level	Total
Staff costs	Project Manager	0.00 €	13,400.00 €	3,600.00 €	2,900.00 €	16,450.00 €	21,500.00 €	3,750.00 €	61,600.00 €
	Project Assitants	0.00 €	23,000.00 €	3,600.00 €	6,300.00 €	49,150.00 €	62,500.00 €	11,250.00 €	155,800.00 €
Durable goods	Durable goods	0.00 €	3,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	3,000.00 €
Travel	Transport	0.00 €	2,000.00 €	3,000.00 €	4,200.00 €	1,000.00 €	3,400.00 €	0.00 €	13,600.00 €
	Subsistance expenses	0.00 €	3,800.00 €	1,700.00 €	1,800.00 €	700.00 €	1,600.00 €	0.00 €	9,600.00 €
Services (except external expertise)	Events	0.00 €	7,000.00 €	0.00 €	0.00 €	4,500.00 €	0.00 €	0.00 €	11,500.00 €
	Refurbishment workings	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Smart meters installation and monitoring	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	80,000.00 €	80,000.00 €
	Invitation of local stakeholders	0.00 €	0.00 €	2,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	2,000.00 €
External expertise	Auditor	0.00 €	15,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	15,000.00 €
	Technical expertise	0.00 €	0.00 €	0.00 €	0.00 €	28,800.00 €	78,000.00 €	0.00 €	106,800.00 €
	Animator	0.00 €	0.00 €	0.00 €	0.00 €	1,200.00 €	2,000.00 €	0.00 €	3,200.00 €
	Accountant	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Promotion, information and publication	Website and graphic tools	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €

	Publications	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Awareness campaign	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Overheads	Overheads	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Total	0.00 €	67,200.00 €	13,900.00 €	15,200.00 €	101,800.00 €	169,000.00 €	95,000.00 €	462,100.00 €

Malta Intelligent Energy Management Agency

		Work package 0: preparation costs only	Work package 1: Project coordination	Work package 2: Information and awareness raising	Work package 3: Capitalisation and long lasting effects	Work package 4: Energy conservation in building renovation or construction activities	Work package 5: Innovative techniques, materials and processes	Work package 6: Intelligent energy management systems at local and regional level	Total
Staff costs	Project Manager	0.00 €	10,900.00 €	2,800.00 €	500.00 €	6,250.00 €	14,500.00 €	4,750.00 €	39,700.00 €
	Project Assitants	0.00 €	15,500.00 €	6,800.00 €	1,500.00 €	18,750.00 €	34,500.00 €	14,250.00 €	91,300.00 €
Durable goods	Durable goods	0.00 €	3,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	3,000.00 €
Travel	Transport	0.00 €	5,000.00 €	3,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	8,000.00 €
	Subsistance expenses	0.00 €	3,800.00 €	2,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	5,800.00 €
Services (except external expertise)	Events	0.00 €	7,000.00 €	2,000.00 €	0.00 €	2,500.00 €	1,500.00 €	1,500.00 €	14,500.00 €
	Refurbishment workings	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	255,000.00 €	0.00 €	255,000.00 €
	Smart meters installation and monitoring	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	20,000.00 €	20,000.00 €
	Invitation of local stakeholders	0.00 €	0.00 €	2,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	2,000.00 €
External expertise	Auditor	0.00 €	15,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	15,000.00 €

	Technical expertise	0.00 €	0.00 €	0.00 €	0.00 €	4,600.00 €	39,500.00 €	0.00 €	44,100.00 €
	Animator	0.00 €	0.00 €	7,000.00 €	0.00 €	400.00 €	6,500.00 €	0.00 €	13,900.00 €
	Accountant	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Promotion, information and publication	Website and graphic tools	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Publications	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Awareness campaign	0.00 €	0.00 €	35,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	35,000.00 €
Overheads	Overheads	0.00 €	10,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	10,000.00 €
	Total	0.00 €	70,200.00 €	60,600.00 €	2,000.00 €	32,500.00 €	351,500.00 €	40,500.00 €	557,300.00 €

Cyprus Energy Agency

		Work package 0: preparation costs only	Work package 1: Project coordination	Work package 2: Information and awareness raising	Work package 3: Capitalisation and long lasting effects	Work package 4: Energy conservation in building renovation or construction activities	Work package 5: Innovative techniques, materials and processes	Work package 6: Intelligent energy management systems at local and regional level	Total
Staff costs	Project Manager	0.00 €	11,400.00 €	3,800.00 €	1,000.00 €	5,000.00 €	15,000.00 €	7,000.00 €	43,200.00 €
	Project Assitants	0.00 €	18,000.00 €	5,300.00 €	2,500.00 €	9,000.00 €	40,500.00 €	15,500.00 €	90,800.00 €
Durable goods	Durable goods	0.00 €	7,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	7,000.00 €
Travel	Transport	0.00 €	7,000.00 €	6,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	13,000.00 €
	Substance expenses	0.00 €	4,800.00 €	3,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	7,800.00 €
Services (except external expertise)	Events	0.00 €	7,000.00 €	2,000.00 €	0.00 €	3,000.00 €	1,500.00 €	1,500.00 €	15,000.00 €
	Refurbishment workings	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	212,500.00 €	0.00 €	212,500.00 €

	Smart meters installation and monitoring	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	40,000.00 €	40,000.00 €
	Invitation of local stakeholders	0.00 €	0.00 €	2,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	2,000.00 €
External expertise	Auditor	0.00 €	5,500.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	5,500.00 €
	Technical expertise	0.00 €	0.00 €	0.00 €	0.00 €	3,000.00 €	32,000.00 €	0.00 €	35,000.00 €
	Animator	0.00 €	0.00 €	10,000.00 €	0.00 €	0.00 €	6,500.00 €	0.00 €	16,500.00 €
	Accountant	0.00 €	4,500.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	4,500.00 €
Promotion, information and publication	Website and graphic tools	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Publications	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Awareness campaign	0.00 €	0.00 €	25,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	25,000.00 €
Overheads	Overheads	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Total	0.00 €	65,200.00 €	57,100.00 €	3,500.00 €	20,000.00 €	308,000.00 €	64,000.00 €	517,800.00 €

Jozef Stefan Institute

		Work package 0: preparation costs only	Work package 1: Project coordination	Work package 2: Information and awareness raising	Work package 3: Capitalisation and long lasting effects	Work package 4: Energy conservation in building renovation or construction activities	Work package 5: Innovative techniques, materials and processes	Work package 6: Intelligent energy management systems at local and regional level	Total
Staff costs	Project Manager	0.00 €	14,400.00 €	2,800.00 €	4,150.00 €	2,000.00 €	1,000.00 €	29,650.00 €	54,000.00 €
	Project Assistants	0.00 €	24,000.00 €	2,800.00 €	8,050.00 €	1,000.00 €	3,000.00 €	58,950.00 €	97,800.00 €
Durable goods	Durable goods	0.00 €	3,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	3,000.00 €
Travel	Transport	0.00 €	9,200.00 €	4,500.00 €	4,200.00 €	300.00 €	1,400.00 €	7,300.00 €	26,900.00 €

	Subsistence expenses	0.00 €	5,400.00 €	4,500.00 €	1,800.00 €	200.00 €	600.00 €	5,700.00 €	18,200.00 €
Services (except external expertise)	Events	0.00 €	7,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	7,000.00 €
	Refurbishment workings	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Smart meters installation and monitoring	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Invitation of local stakeholders	0.00 €	0.00 €	2,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	2,000.00 €
External expertise	Auditor	0.00 €	5,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	5,000.00 €
	Technical expertise	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	20,000.00 €	20,000.00 €
	Animator	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Accountant	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Promotion, information and publication	Website and graphic tools	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Publications	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	15,000.00 €	15,000.00 €
	Awareness campaign	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Overheads	Overheads	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Total	0.00 €	68,000.00 €	16,600.00 €	18,200.00 €	3,500.00 €	6,000.00 €	136,600.00 €	248,900.00 €

LAORE SARDEGNA

		Work package 0: preparation costs only	Work package 1: Project coordination	Work package 2: Information and awareness raising	Work package 3: Capitalisation and long lasting effects	Work package 4: Energy conservation in building renovation or construction activities	Work package 5: Innovative techniques, materials and processes	Work package 6: Intelligent energy management systems at local and regional level	Total
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Staff costs	Project Manager	0.00 €	10,800.00 €	2,300.00 €	2,500.00 €	7,750.00 €	11,000.00 €	3,250.00 €	37,600.00 €
	Project Assitants	0.00 €	15,200.00 €	3,300.00 €	500.00 €	23,250.00 €	33,000.00 €	9,750.00 €	85,000.00 €
Durable goods	Durable goods	0.00 €	3,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	3,000.00 €
Travel	Transport	0.00 €	6,000.00 €	6,000.00 €	500.00 €	500.00 €	1,100.00 €	0.00 €	14,100.00 €
	Subsistance expenses	0.00 €	6,000.00 €	4,200.00 €	500.00 €	500.00 €	600.00 €	0.00 €	11,800.00 €
Services (except external expertise)	Events	0.00 €	7,100.00 €	2,000.00 €	0.00 €	5,500.00 €	1,500.00 €	1,500.00 €	17,600.00 €
	Refurbishment workings	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	425,000.00 €	0.00 €	425,000.00 €
	Smart meters installation and monitoring	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Invitation of local stakeholders	0.00 €	0.00 €	2,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	2,000.00 €
External expertise	Auditor	0.00 €	8,500.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	8,500.00 €
	Technical expertise	0.00 €	0.00 €	0.00 €	0.00 €	5,800.00 €	61,000.00 €	0.00 €	66,800.00 €
	Animator	0.00 €	4,400.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	4,400.00 €
	Accountant	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Promotion, information and publication	Website and graphic tools	0.00 €	6,900.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	6,900.00 €
	Publications	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Awareness campaign	0.00 €	0.00 €	25,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	25,000.00 €
Overheads	Overheads	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Total	0.00 €	67,900.00 €	44,800.00 €	4,000.00 €	43,300.00 €	533,200.00 €	14,500.00 €	707,700.00 €

Valencia Institute of Building Foundation

		Work package 0: preparation costs only	Work package 1: Project coordination	Work package 2: Information and awareness raising	Work package 3: Capitalisation and long lasting effects	Work package 4: Energy conservation in building renovation or construction activities	Work package 5: Innovative techniques, materials and processes	Work package 6: Intelligent energy management systems at local and regional level	Total
Staff costs	Project Manager	0.00 €	8,260.00 €	6,800.00 €	2,375.00 €	7,695.00 €	20,500.00 €	5,252.00 €	50,882.00 €
	Project Assitants	0.00 €	22,140.00 €	22,300.00 €	7,125.00 €	23,222.00 €	71,500.00 €	13,875.00 €	160,162.00 €
Durable goods	Durable goods	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Travel	Transport	0.00 €	4,950.00 €	6,000.00 €	500.00 €	0.00 €	0.00 €	0.00 €	11,450.00 €
	Subsistance expenses	0.00 €	3,650.00 €	3,000.00 €	1,000.00 €	0.00 €	0.00 €	0.00 €	7,650.00 €
Services (except external expertise)	Events	0.00 €	0.00 €	2,000.00 €	0.00 €	37.00 €	0.00 €	1,500.00 €	3,537.00 €
	Refurbishment workings	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	363,200.00 €	0.00 €	363,200.00 €
	Smart meters installation and monitoring	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	6,481.00 €	6,481.00 €
	Invitation of local stakeholders	0.00 €	0.00 €	2,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	2,000.00 €
External expertise	Auditor	0.00 €	4,500.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	4,500.00 €
	Technical expertise	0.00 €	6,438.00 €	0.00 €	500.00 €	5,800.00 €	19,500.00 €	0.00 €	32,238.00 €
	Animator	0.00 €	0.00 €	10,000.00 €	0.00 €	1,200.00 €	0.00 €	0.00 €	11,200.00 €
	Accountant	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Promotion, information and publication	Website and graphic tools	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Publications	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €

	Awareness campaign	0.00 €	0.00 €	30,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	30,000.00 €
Overheads	Overheads	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Total	0.00 €	49,938.00 €	82,100.00 €	11,500.00 €	37,954.00 €	474,700.00 €	27,108.00 €	683,300.00 €

Municipality of Genoa

		Work package 0: preparation costs only	Work package 1: Project coordination	Work package 2: Information and awareness raising	Work package 3: Capitalisation and long lasting effects	Work package 4: Energy conservation in building renovation or construction activities	Work package 5: Innovative techniques, materials and processes	Work package 6: Intelligent energy management systems at local and regional level	Total
Staff costs	Project Manager	0.00 €	10,900.00 €	2,300.00 €	500.00 €	5,000.00 €	7,750.00 €	770.00 €	27,220.00 €
	Project Assitants	0.00 €	15,500.00 €	3,300.00 €	1,500.00 €	15,000.00 €	27,550.00 €	1,930.00 €	64,780.00 €
Durable goods	Durable goods	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Travel	Transport	0.00 €	4,200.00 €	4,200.00 €	0.00 €	0.00 €	0.00 €	0.00 €	8,400.00 €
	Subsistance expenses	0.00 €	4,800.00 €	3,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	7,800.00 €
Services (except external expertise)	Events	0.00 €	0.00 €	11,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	11,000.00 €
	Refurbishment workings	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	475,000.00 €	0.00 €	475,000.00 €
	Smart meters installation and monitoring	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Invitation of local stakeholders	0.00 €	0.00 €	2,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	2,000.00 €
External expertise	Auditor	0.00 €	12,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	12,000.00 €
	Technical expertise	0.00 €	26,500.00 €	0.00 €	0.00 €	23,500.00 €	0.00 €	0.00 €	50,000.00 €

	Animator	0.00 €	0.00 €	60,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	60,000.00 €
	Accountant	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Promotion, information and publication	Website and graphic tools	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Publications	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Awareness campaign	0.00 €	0.00 €	47,500.00 €	0.00 €	0.00 €	0.00 €	0.00 €	47,500.00 €
Overheads	Overheads	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Total	0.00 €	73,900.00 €	133,300.00 €	2,000.00 €	43,500.00 €	510,300.00 €	2,700.00 €	765,700.00 €

CSTB - Building scientific and technical centre

		Work package 0: preparation costs only	Work package 1: Project coordination	Work package 2: Information and awareness raising	Work package 3: Capitalisation and long lasting effects	Work package 4: Energy conservation in building renovation or construction activities	Work package 5: Innovative techniques, materials and processes	Work package 6: Intelligent energy management systems at local and regional level	Total
Staff costs	Project Manager	0.00 €	13,400.00 €	1,800.00 €	500.00 €	2,500.00 €	29,750.00 €	10,750.00 €	58,700.00 €
	Project Assistants	0.00 €	23,000.00 €	1,800.00 €	1,500.00 €	7,500.00 €	89,250.00 €	32,250.00 €	155,300.00 €
Durable goods	Durable goods	0.00 €	3,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	3,000.00 €
Travel	Transport	0.00 €	5,600.00 €	4,800.00 €	0.00 €	300.00 €	19,100.00 €	0.00 €	29,800.00 €
	Substance expenses	0.00 €	5,400.00 €	3,000.00 €	0.00 €	200.00 €	11,400.00 €	0.00 €	20,000.00 €
Services (except external expertise)	Events	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Refurbishment workings	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €

	Smart meters installation and monitoring	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Invitation of local stakeholders	0.00 €	0.00 €	2,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	2,000.00 €
External expertise	Auditor	0.00 €	15,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	15,000.00 €
	Technical expertise	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	15,000.00 €	5,000.00 €	20,000.00 €
	Animator	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Accountant	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Promotion, information and publication	Website and graphic tools	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Publications	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	15,000.00 €	0.00 €	15,000.00 €
	Awareness campaign	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Overheads	Overheads	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Total	0.00 €	65,400.00 €	13,400.00 €	2,000.00 €	10,500.00 €	179,500.00 €	48,000.00 €	318,800.00 €

Languedoc Roussillon Regional Council

		Work package 0: preparation costs only	Work package 1: Project coordination	Work package 2: Information and awareness raising	Work package 3: Capitalisation and long lasting effects	Work package 4: Energy conservation in building renovation or construction activities	Work package 5: Innovative techniques, materials and processes	Work package 6: Intelligent energy management systems at local and regional level	Total
Staff costs	Project Manager	0.00 €	10,900.00 €	2,300.00 €	500.00 €	3,000.00 €	0.00 €	3,250.00 €	19,950.00 €
	Project Assitants	0.00 €	15,500.00 €	3,300.00 €	1,500.00 €	9,000.00 €	0.00 €	9,750.00 €	39,050.00 €
Durable goods	Durable goods	0.00 €	3,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	3,000.00 €
Travel	Transport	0.00 €	5,400.00 €	4,800.00 €	0.00 €	0.00 €	0.00 €	0.00 €	10,200.00 €

	Subsistence expenses	0.00 €	4,800.00 €	3,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	7,800.00 €
Services (except external expertise)	Events	0.00 €	7,000.00 €	2,000.00 €	0.00 €	2,000.00 €	0.00 €	1,500.00 €	12,500.00 €
	Refurbishment workings	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Smart meters installation and monitoring	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	45,000.00 €	45,000.00 €
	Invitation of local stakeholders	0.00 €	0.00 €	2,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	2,000.00 €
External expertise	Auditor	0.00 €	15,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	15,000.00 €
	Technical expertise	0.00 €	0.00 €	0.00 €	0.00 €	1,000.00 €	0.00 €	21,500.00 €	22,500.00 €
	Animator	0.00 €	0.00 €	10,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	10,000.00 €
	Accountant	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Promotion, information and publication	Website and graphic tools	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Publications	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Awareness campaign	0.00 €	0.00 €	30,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	30,000.00 €
Overheads	Overheads	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Total	0.00 €	61,600.00 €	57,400.00 €	2,000.00 €	15,000.00 €	0.00 €	81,000.00 €	217,000.00 €

GERES- renewable energies, Environment and Solidarity Group

		Work package 0: preparation costs only	Work package 1: Project coordination	Work package 2: Information and awareness raising	Work package 3: Capitalisation and long lasting effects	Work package 4: Energy conservation in building renovation or construction activities	Work package 5: Innovative techniques, materials and processes	Work package 6: Intelligent energy management systems at local and regional level	Total
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Staff costs	Project Manager	0.00 €	20,225.00 €	7,800.00 €	8,780.00 €	7,602.25 €	7,470.00 €	4,946.75 €	56,824.00 €
	Project Assitants	0.00 €	43,475.00 €	14,120.00 €	26,500.00 €	22,806.75 €	22,410.00 €	14,840.25 €	144,152.00 €
Durable goods	Durable goods	0.00 €	2,500.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	2,500.00 €
Travel	Transport	0.00 €	5,600.00 €	5,800.00 €	1,400.00 €	0.00 €	1,400.00 €	0.00 €	14,200.00 €
	Subsistance expenses	0.00 €	5,400.00 €	3,000.00 €	600.00 €	0.00 €	600.00 €	0.00 €	9,600.00 €
Services (except external expertise)	Events	0.00 €	0.00 €	0.00 €	0.00 €	500.00 €	0.00 €	0.00 €	500.00 €
	Refurbishment workings	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Smart meters installation and monitoring	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Invitation of local stakeholders	0.00 €	0.00 €	2,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	2,000.00 €
External expertise	Auditor	0.00 €	15,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	15,000.00 €
	Technical expertise	0.00 €	32,400.00 €	3,000.00 €	7,000.00 €	3,000.00 €	0.00 €	0.00 €	45,400.00 €
	Animator	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Accountant	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Promotion, information and publication	Website and graphic tools	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Publications	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Awareness campaign	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Overheads	Overheads	0.00 €	500.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	500.00 €
	Total	0.00 €	125,100.00 €	35,720.00 €	44,280.00 €	33,909.00 €	31,880.00 €	19,787.00 €	290,676.00 €

Region of East Macedonia and Thrace

		Work package 0: preparation costs only	Work package 1: Project coordination	Work package 2: Information and awareness raising	Work package 3: Capitalisation and long lasting effects	Work package 4: Energy conservation in building renovation or construction activities	Work package 5: Innovative techniques, materials and processes	Work package 6: Intelligent energy management systems at local and regional level	Total
Staff costs	Project Manager	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Project Assitants	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	6,000.00 €	6,000.00 €
Durable goods	Durable goods	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Travel	Transport	0.00 €	11,000.00 €	5,400.00 €	0.00 €	0.00 €	6,500.00 €	320.00 €	23,220.00 €
	Subsistance expenses	0.00 €	5,000.00 €	3,000.00 €	0.00 €	0.00 €	2,150.00 €	300.00 €	10,450.00 €
Services (except external expertise)	Events	0.00 €	0.00 €	13,000.00 €	1,715.00 €	5,000.00 €	9,000.00 €	1,500.00 €	30,215.00 €
	Refurbishment workings	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	4,000.00 €	0.00 €	4,000.00 €
	Smart meters installation and monitoring	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	2,500.00 €	2,500.00 €
	Invitation of local stakeholders	0.00 €	0.00 €	5,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	5,000.00 €
External expertise	Auditor	0.00 €	7,815.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	7,815.00 €
	Technical expertise	0.00 €	22,050.00 €	0.00 €	23,000.00 €	0.00 €	1,100.00 €	0.00 €	46,150.00 €
	Animator	0.00 €	0.00 €	19,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	19,000.00 €
	Accountant	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Promotion, information and publication	Website and graphic tools	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Publications	0.00 €	0.00 €	20,000.00 €	0.00 €	0.00 €	0.00 €	5,150.00 €	25,150.00 €

	Awareness campaign	0.00 €	0.00 €	60,000.00 €	0.00 €	0.00 €	6,000.00 €	0.00 €	66,000.00 €
Overheads	Overheads	0.00 €	3,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	3,000.00 €
	Total	0.00 €	48,865.00 €	125,400.00 €	24,715.00 €	5,000.00 €	28,750.00 €	15,770.00 €	248,500.00 €

Municipality of Frattamaggiore

		Work package 0: preparation costs only	Work package 1: Project coordination	Work package 2: Information and awareness raising	Work package 3: Capitalisation and long lasting effects	Work package 4: Energy conservation in building renovation or construction activities	Work package 5: Innovative techniques, materials and processes	Work package 6: Intelligent energy management systems at local and regional level	Total
Staff costs	Project Manager	0.00 €	10,900.00 €	2,300.00 €	500.00 €	7,750.00 €	10,500.00 €	0.00 €	31,950.00 €
	Project Assitants	0.00 €	15,500.00 €	3,300.00 €	1,500.00 €	23,250.00 €	31,500.00 €	0.00 €	75,050.00 €
Durable goods	Durable goods	0.00 €	3,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	3,000.00 €
Travel	Transport	0.00 €	4,200.00 €	3,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	7,200.00 €
	Subsistance expenses	0.00 €	4,800.00 €	1,200.00 €	0.00 €	0.00 €	0.00 €	0.00 €	6,000.00 €
Services (except external expertise)	Events	0.00 €	0.00 €	2,000.00 €	0.00 €	5,500.00 €	1,500.00 €	0.00 €	9,000.00 €
	Refurbishment workings	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	127,500.00 €	0.00 €	127,500.00 €
	Smart meters installation and monitoring	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Invitation of local stakeholders	0.00 €	0.00 €	2,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	2,000.00 €
External expertise	Auditor	0.00 €	15,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	15,000.00 €
	Technical expertise	0.00 €	0.00 €	0.00 €	0.00 €	5,800.00 €	38,500.00 €	0.00 €	44,300.00 €

	Animator	0.00 €	0.00 €	10,000.00 €	0.00 €	1,200.00 €	6,500.00 €	0.00 €	17,700.00 €
	Accountant	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Promotion, information and publication	Website and graphic tools	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Publications	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Awareness campaign	0.00 €	0.00 €	30,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	30,000.00 €
Overheads	Overheads	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Total	0.00 €	53,400.00 €	53,800.00 €	2,000.00 €	43,500.00 €	216,000.00 €	0.00 €	368,700.00 €

13 Habitat

		Work package 0: preparation costs only	Work package 1: Project coordination	Work package 2: Information and awarness raising	Work package 3: Capitalisation and long lasting effects	Work package 4: Energy conservation in building renovation or construction activities	Work package 5: Innovative techniques, materials and processes	Work package 6: Intelligent energy management systems at local and regional level	Total
Staff costs	Project Manager	0.00 €	8,300.00 €	1,400.00 €	800.00 €	1,200.00 €	6,750.00 €	3,350.00 €	21,800.00 €
	Project Assitants	0.00 €	10,000.00 €	2,400.00 €	1,000.00 €	1,000.00 €	18,250.00 €	5,250.00 €	37,900.00 €
Durable goods	Durable goods	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Travel	Transport	0.00 €	4,200.00 €	2,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	6,200.00 €
	Subsistance expenses	0.00 €	4,000.00 €	1,200.00 €	0.00 €	0.00 €	0.00 €	0.00 €	5,200.00 €
Services (except external expertise)	Events	0.00 €	0.00 €	2,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	2,000.00 €
	Refurbishment workings	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	222,000.00 €	0.00 €	222,000.00 €

	Smart meters installation and monitoring	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	60,000.00 €	60,000.00 €
	Invitation of local stakeholders	0.00 €	0.00 €	2,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	2,000.00 €
External expertise	Auditor	0.00 €	6,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	6,000.00 €
	Technical expertise	0.00 €	0.00 €	0.00 €	0.00 €	7,500.00 €	106,000.00 €	7,500.00 €	121,000.00 €
	Animator	0.00 €	0.00 €	10,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	10,000.00 €
	Accountant	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Promotion, information and publication	Website and graphic tools	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Publications	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Awareness campaign	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Overheads	Overheads	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Total	0.00 €	32,500.00 €	21,000.00 €	1,800.00 €	9,700.00 €	353,000.00 €	76,100.00 €	494,100.00 €

Democritus University of Thrace - DUTH

		Work package 0: preparation costs only	Work package 1: Project coordination	Work package 2: Information and awarness raising	Work package 3: Capitalisation and long lasting effects	Work package 4: Energy conservation in building renovation or construction activities	Work package 5: Innovative techniques, materials and processes	Work package 6: Intelligent energy management systems at local and regional level	Total
Staff costs	Project Manager	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	26,320.00 €	4,000.00 €	30,320.00 €
	Project Assitants	0.00 €	26,400.00 €	0.00 €	0.00 €	0.00 €	40,000.00 €	16,000.00 €	82,400.00 €
Durable goods	Durable goods	0.00 €	5,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	5,000.00 €

Travel	Transport	0.00 €	5,000.00 €	2,000.00 €	0.00 €	0.00 €	3,400.00 €	0.00 €	10,400.00 €
	Substance expenses	0.00 €	4,000.00 €	1,000.00 €	0.00 €	0.00 €	2,600.00 €	0.00 €	7,600.00 €
Services (except external expertise)	Events	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Refurbishment workings	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	1,107,000.00 €	0.00 €	1,107,000.00 €
	Smart meters installation and monitoring	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Invitation of local stakeholders	0.00 €	0.00 €	2,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	2,000.00 €
External expertise	Auditor	0.00 €	15,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	15,000.00 €
	Technical expertise	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Animator	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Accountant	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Promotion, information and publication	Website and graphic tools	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Publications	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Awareness campaign	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Overheads	Overheads	0.00 €	4,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	4,000.00 €
	Total	0.00 €	59,400.00 €	5,000.00 €	0.00 €	0.00 €	1,179,320.00 €	20,000.00 €	1,263,720.00 €

Conference of Peripheral Maritime Regions

		Work package 0: preparation costs only	Work package 1: Project coordination	Work package 2: Information and awareness raising	Work package 3: Capitalisation and long lasting effects	Work package 4: Energy conservation in building renovation or construction activities	Work package 5: Innovative techniques, materials and processes	Work package 6: Intelligent energy management systems at local and regional level	Total
Staff costs	Project Manager	0.00 €	10,900.00 €	7,150.00 €	13,247.84 €	302.16 €	1,000.00 €	0.00 €	32,600.00 €
	Project Assitants	0.00 €	15,500.00 €	6,450.00 €	10,650.00 €	0.00 €	3,000.00 €	0.00 €	35,600.00 €
Durable goods	Durable goods	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Travel	Transport	0.00 €	8,400.00 €	11,200.00 €	9,500.00 €	0.00 €	1,400.00 €	0.00 €	30,500.00 €
	Subsistance expenses	0.00 €	8,100.00 €	5,400.00 €	5,000.00 €	0.00 €	600.00 €	0.00 €	19,100.00 €
Services (except external expertise)	Events	0.00 €	0.00 €	34,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	34,000.00 €
	Refurbishment workings	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Smart meters installation and monitoring	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Invitation of local stakeholders	0.00 €	0.00 €	2,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	2,000.00 €
External expertise	Auditor	0.00 €	12,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	12,000.00 €
	Technical expertise	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Animator	0.00 €	0.00 €	4,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	4,000.00 €
	Accountant	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Promotion, information and publication	Website and graphic tools	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
	Publications	0.00 €	0.00 €	10,000.00 €	15,000.00 €	0.00 €	0.00 €	0.00 €	25,000.00 €

	Awareness campaign	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €
Overheads	Overheads	0.00 €	6,000.00 €	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	6,000.00 €
	Total	0.00 €	60,900.00 €	80,200.00 €	53,397.84 €	302.16 €	6,000.00 €	0.00 €	200,800.00 €

6. Detail of the categories of expenditures and justification

Expenditure category	Subcategories	Total
Staff costs	Project Manager	842,486.00 €
	Project Assitants	1,738,954.00 €
	Total	2,581,440.00 €
Durable goods	Durable goods	58,500.00 €
	Total	58,500.00 €
Consumable goods		
Travel	Transport	302,230.00 €
	Subsistance expenses	200,040.00 €
	Total	502,270.00 €
Services (except external expertise)	Events	240,852.00 €
	Refurbishment workings	3,678,000.00 €
	Smart meters installation and monitoring	253,981.00 €
	Invitation of local stakeholders	44,000.00 €
	Total	4,216,833.00 €
External expertise	Auditor	203,615.00 €

	Technical expertise	915,388.00 €
	Animator	200,600.00 €
	Accountant	4,500.00 €
	Total	1,324,103.00 €
Promotion, information and publication	Website and graphic tools	11,900.00 €
	Publications	110,150.00 €
	Awareness campaign	318,500.00 €
	Total	440,550.00 €
Overheads	Overheads	23,500.00 €
	Total	23,500.00 €
Other		
	Global budget	9,147,196.00 €

7. Share of total costs per partner and per year (in euro)

Name of partner	2009	2010	2011	2012	2013	2014	Total	%
National Agency for New Technologies, Energy and Sustainable Economic Development	0.00 €	3,000.00 €	147,160.00 €	45,380.00 €	54,680.00 €	83,480.00 €	333,700.00 €	3.65 %
Mediterranean Institute	0.00 €	27,000.00 €	72,000.00 €	79,000.00 €	134,600.00 €	84,700.00 €	397,300.00 €	4.34 %
Malaga City Council	0.00 €	0.00 €	134,025.00 €	380,690.00 €	352,340.00 €	23,945.00 €	891,000.00 €	9.74 %
Institute for the Promotion of Technological innovation	0.00 €	0.00 €	71,300.00 €	41,320.00 €	45,660.00 €	21,820.00 €	180,100.00 €	1.97 %

Centre for Renewable Energy Sources and Saving	0.00 €	0.00 €	140,196.66 €	184,006.67 €	113,840.00 €	24,056.67 €	462,100.00 €	5.05 %
Malta Intelligent Energy Management Agency	0.00 €	0.00 €	85,700.00 €	255,100.00 €	197,400.00 €	19,100.00 €	557,300.00 €	6.09 %
Cyprus Energy Agency	0.00 €	0.00 €	92,300.00 €	213,600.00 €	192,800.00 €	19,100.00 €	517,800.00 €	5.66 %
Jozef Stefan Institute	0.00 €	0.00 €	92,130.00 €	79,750.00 €	57,400.00 €	19,620.00 €	248,900.00 €	2.72 %
LAORE SARDEGNA	0.00 €	0.00 €	93,200.00 €	318,100.00 €	278,200.00 €	18,200.00 €	707,700.00 €	7.74 %
Valencia Institute of Building Foundation	0.00 €	0.00 €	95,600.00 €	308,700.00 €	260,800.00 €	18,200.00 €	683,300.00 €	7.47 %
Municipality of Genoa	0.00 €	0.00 €	122,400.00 €	321,700.00 €	296,000.00 €	25,600.00 €	765,700.00 €	8.37 %
CSTB - Building scientific and technical centre	0.00 €	0.00 €	110,030.00 €	67,590.00 €	94,840.00 €	46,340.00 €	318,800.00 €	3.49 %
Languedoc Roussillon Regional Council	0.00 €	0.00 €	38,100.00 €	66,875.00 €	92,700.00 €	19,325.00 €	217,000.00 €	2.37 %
GERES- renewable energies, Environment and Solidarity Group	0.00 €	0.00 €	109,733.00 €	68,008.00 €	84,144.00 €	28,791.00 €	290,676.00 €	3.18 %
Region of East Macedonia and Thrace	0.00 €	0.00 €	15,000.00 €	30,000.00 €	103,500.00 €	100,000.00 €	248,500.00 €	2.72 %
Municipality of Frattamaggiore	0.00 €	0.00 €	86,900.00 €	146,600.00 €	122,000.00 €	13,200.00 €	368,700.00 €	4.03 %
13 Habitat	0.00 €	0.00 €	0.00 €	272,478.57 €	203,907.14 €	17,714.29 €	494,100.00 €	5.40 %
Democritus University of Thrace - DUTH	0.00 €	0.00 €	0.00 €	20,000.00 €	700,000.00 €	543,720.00 €	1,263,720.00 €	13.82 %
Conference of Peripheral Maritime Regions	0.00 €	0.00 €	38,794.00 €	26,792.00 €	51,792.00 €	83,422.00 €	200,800.00 €	2.20 %
Total	0.00 €	30,000.00 €	1,544,568.66 €	2,925,690.24 €	3,436,603.14 €	1,210,333.96 €	9,147,196.00 €	100 %
%	0.00 %	0.33 %	16.89 %	31.98 %	37.57 %	13.23 %	100 %	-