Mobilising Local Energy Investments (MLEI) projects supported by the Intelligent Energy- Europe programme

FACTSHEETS

The following projects are co-financed under the "Mobilising Local Energy Investments – Project Development Assistance" of the Intelligent Energy Europe (IEE) programme. A total of 22 projects are supported representing a cumulative investment of EUR 487 million.

Start year	Project Acronym	Country	Territory	Category of investments	Investment
2012	ACCELERATE	ES	Province of Huelva	Street lighting	€7,500,000
2012	BEAM-GRAZ	AT	Graz	Public Buildings	€18,900,000
2012	BOWEN	NL	Hengelo	District heating	€24,189,288
2013	Energy4Flexibility	NL	Greenpark Venlo	District heating	€54,634,857
2012	ENSAMB	NO	South Østerdal region	Public Buildings	€11,250,000
2013	ESCOLIMBURG2020	BE	Province of Limburg	Public Buildings	€19,837,230
2013	ESCOSC	NL	Province of North Holland	Buildings	€24,385,000
2013	GeoKec	HU	Kecskemet	District heating	€30,375,000
2012	L-CIF	UK	Cambridgeshire County	Public Buildings & RES[1]	€17,000,000
2012	NEWinRETRO	UK	Newcastle	Residential & Public Buildings	€30,000,000
2012	OTR	UK	Oxford and Oxfordshire	Buildings and RES	€31,852,179
2013	PadovaFIT!	IT	Padova	Residential Buildings	€15,872,573
2012	PARIDE	IT	Province of Teramo	Street lighting	€16,800,000
2013	POSIT'IF	FR	Ile de France region	Residential & Public Buildings	€39,998,744
2012	SOLROD	DK	Solrød	Biogas plant	€12,747,827
2013	ZagEE	HR	Zagreb	Public Buildings	€29,379,114
2014	2020TOGETHER	IT	Province of Torino	Public Buildings & Street lighting	€9,420,214
2014	EFI DISTRICT FWD	ES	Pamplona	Residential & Public Buildings & District heating	€10,972,372
2014	GLEE AM	PT	Alto Minho	Public Buildings & Street lighting	€6,912,950
2014	MARTE	IT	Marche Region	Hospitals	€15,500,000
2014	PSEE ALSACE	FR	Region of Alsace	Residential Buildings	€40,000,000
2014	SOLANOVA	HU	Budapest	Residential buildings	€20,452,136
					€487,979,484

Further information can be found on:
http://ec.europa.eu/energy/intelligent/getting-funds/project-development-assistance/index_en.htm

[1] Renewable energy sources

ACCELERATE

Territory:	Province of Huelva (Spain)
Beneficiaries:	Province of Huelva, Energy Agency of Huelva (APEH)
Planned investments:	Energy efficiency of street lighting
Main activities:	- Engagement of the municipalities to launch Energy Performance Contracts (EPCs) - Functional, legal and administrative specifications of the future EPCs - Procurement for several bundles of municipalities - Communication on the lessons learnt at national and European level
Expected results:	**Energy savings:** 944 toe/year **RES production:** 89 toe/year **GHG reduction:** 625 tCO_{2e} /year **Investments:** EUR 7.5 million **Project costs:** EUR 499,642 **Leverage factor:** 15
Market replication potential:	The project targets small rural municipalities which are too small to set up investments by themselves. Project development assistance is delivered by the province and by specialised consultants in order to launch EPCs. In order to reach a bankable size for the investments, street lighting facilities and public buildings will be bundled and procured jointly. The organisational and legal aspects of the project offer a large replication potential to the many small municipalities across Europe that would like to invest in sustainable energy projects.
EU contribution:	EUR 374,731
Project duration:	36 months
Project status:	Started in September 2012
Contact person:	Mr Jesús Díaz Robles jdiazrobles@diphuelva.org http://laccc.diphuelva.es/proyectos_detalle.php?id=10

BEAM Graz

Territory:	City of Graz (Austria)
Beneficiary:	Municipality of Graz
Planned investments:	- Automated energy monitoring and controlling system (EMC) in 300 public buildings (> 500 m²) - Energy efficient refurbishment of 18 municipal buildings - New concepts for integrating energy efficiency in 5 new public buildings reaching passive house standard
Main activities:	- Financing model for the EMC system including profiling of requirements, building surveys, preparation of tender documents and launching procedure - Detailed energy audits and planning of building interventions, as well as financial model development including Energy Performance Contracting that goes beyond typical savings of 15 – 20% - Detailed planning for new buildings at passive house standard including architectural contest
Expected results:	**Energy savings:** 356 toe/year **RES production:** 15 toe/year **GHG reduction:** 710 tCO_{2e}/year **Investments:** EUR 18,964,000 **Project costs:** EUR 510,914 **Leverage factor:** 37
Market replication potential:	The project will implement a large-scale roll-out of EMC systems in 300 public buildings in the city. The collected data will support the delivery of the local Sustainable Energy Action Plan with targeted action towards energy reduction in public buildings. It will be highly relevant not only for the more than 4,000 signatories of the Covenant of Mayors, but for any municipality in Europe with a local energy plan. In addition, the project will deliver Energy Performance Contracting models that are achieving higher energy savings of up to 50% and show effective ways of including high energy efficiency/passive house standards in new public buildings, thus offering a benchmark for other public authorities across Europe.
EU contribution:	EUR 383,202
Project duration:	36 months
Project status:	Started in June 2012
Contact person:	Mr Günter Hirner - GBG Gebäude- und Baumanagement Graz GmbH gbg@gbg.graz.at http://www.gbg.graz.at/cms/beitrag/10201841/4817071

BOWEN

Territory:	City of Hengelo (Netherlands)
Beneficiary:	Municipality of Hengelo
Planned investments:	Creation of a district heating network based on waste heat and biomass
Main activities:	- Setting up a special purpose company financed by the municipality of Hengelo and the Province of Overijssel, and securing financing for the investments - Securing contracts with building owners and heat suppliers (waste heat, biomass and biogas) - Design of investments and procurement of works contracts - Communication on the lessons learnt at national and European level
Expected results:	**Energy savings:** 1,185 toe/year **RES production:** 2,079 toe/year **GHG reduction:** 3,170 tCO_{2e}/year **Investments:** EUR 24 million **Project costs:** EUR 1,583,903 **Leverage factor:** 15
Market replication potential:	The project has a high replication potential as a large number of medium-sized cities are interested in the development of district heating.
EU contribution:	EUR 1 million
Project duration:	36 months
Project status:	Started in June 2012
Contact person:	Mr Raymond Frank, Project Manager – Warmtenet Hengelo r.frank@hengelo.nl http://www.warmtenethengelo.nl/en-gb/home.aspx

Energy4flexibility

Territory:	Greenport Venlo Area (Netherlands)
Beneficiary:	Development Company Greenport Venlo (CV WOM K4)
Planned investments:	Renewable energy infrastructure to supply the energy needs of a commercial and agro-industrial development (including district heating and cooling networks, biogas digester, biogas network, waste heat recovery, geothermal sources and photovoltaics).
Main activities:	- Setting up special purpose companies for the different projects and securing financing for the investments - Detailed engineering of concepts, design of the investments and procurement through works contracts - Securing contracts with energy customers (users) and heat suppliers - Communication on the lessons learnt at national and European level
Expected results:	**Energy savings:** 7,523 toe/year **RES production:** 14,087 toe/year **GHG reduction:** 150,802 tCO_{2e}/year **Investments:** EUR 54,634,857 **Project costs:** EUR 1,793,582 **Leverage factor:** 30
Market replication potential:	Led by a regional development company, the project will result in the implementation of renewable energy infrastructure to enable the use energy sources locally available. The project will illustrate how the use of optimised tendering processes and co-operation among public authorities and commercial actors (energy suppliers and customers) can lead to bankable approaches for the supply of energy using low carbon energy sources in agro-industrial areas.
EU contribution:	EUR 1,131,748
Project duration:	36 months
Project status:	Started in April 2013
Contact person:	Mr Stefan Hijmans, Finance Manager Development Company Greenport Venlo s.hijmans@dcgv.nl / http://www.dcgv.nl/nl

ENSAMB

Territory:	Region of South Østerdal (Norway)
Beneficiaries:	Regional Council of South Østerdal, Hedmark County
Planned investments:	Energy efficiency and renewable energy in the buildings of the 5 member municipalities of RSØ
Main activities:	- Energy audits and negotiation of energy performance contracts for part of the buildings - Detailed specifications and tendering for the works on part of the buildings - Training for municipal staff
Expected results:	**Energy savings:** 945 toe/year **GHG reduction:** 2,200 tCO_{2e}/year **Investments:** EUR 11.3 million **Project costs:** EUR 749,952 **Leverage factor:** 15
Market replication potential:	The project targets small rural municipalities which are too small to set up investments by themselves. The project funds project development assistance by the regional council, which is a grouping of the beneficiary municipalities, in order to launch investments in the form of energy performance contracts and conventional work contracts. The organisational and legal aspects of the project offer a large replication potential to the many small municipalities across Europe that would like to invest in sustainable energy projects.
EU contribution:	EUR 562,464
Project duration:	36 months
Project status:	Started in June 2012
Contact person:	Mr Alf Kristian ENGER, Project Manager - Regional Council of South Østerdal Alf.Kristian@ernu.no http://ensambprosjekt.wordpress.com/english-summary/

ESCOLIMBURG2020

Territory:	Province of Limburg (Belgium)
Beneficiaries:	Province of Limburg, Infrax (public grid operator), Dubolimburg (provincial consultancy)
Planned investments:	EUR 19.8 million in the refurbishment of public buildings
Main activities:	- Engage all 44 municipalities in the Province to define detailed building renovation plans - Develop an integrated renovation service delivered by Infrax, which includes energy audits, detailed specifications, tendering, works supervision, and potentially pre-financing of the works - Buildings will be retrofitted with an average of 40% savings (30% minimum) - Communication at national and EU level - Capacity building for the building sector in the Province
Expected results:	**Energy savings:** 374 toe/year **RES production:** 187 toe/year **GHG reduction:** 19,504 tCO_{2e}/year **Investments:** EUR 19.8 million **Project costs:** EUR 1,174,380 **Leverage factor:** 17
Market replication potential:	This project develops an innovative business model for a public energy grid operator, which could be replicated in many other regions.
EU contribution:	EUR 880,785
Project duration:	36 months
Project status:	Started in April 2013
Contact person:	Mr Patrick BOUCNEAU, Province of Limburg pboucneau@limburg.be

ESCOSC

Territory:	Province of North Holland (NL)
Beneficiary:	Province of North Holland
Planned investments:	EUR 24.4 million in the production of renewable electricity and heat for public and residential buildings.
Main activities:	- Creation of an ESCO Service Centre targeting local authorities and social housing companies in the Province - Assistance for the creation of ESCOs to invest in renewable electricity and heat (ESCOs can be public or semi-public, or contracts can be delivered by existing private ESCOs) - Development of at least 9 ESCO investment projects
Expected results:	**Energy savings:** 2,269 toe/year **RES production:** 12,492 toe/year **GHG reduction:** 90,275 tCO_{2e}/year **Investments:** EUR 24.4 million **Project costs:** EUR 599,248 **Leverage factor:** 41
Market replication potential:	The project aims to overcome the lack of trust of building owners in renewable energy technologies by creating dedicated entities to invest and manage renewable energy production in a more professional manner. This approach could be replicated in most European regions.
EU contribution:	EUR 449,736
Project duration:	36 months
Project status:	Started in April 2013
Contact person:	Ms Janine HIEMSTRA Province of North Holland hiemstraj@noord-holland.nl http://www.escosc.nl

GeoKec

Territory:	City of Kecskemét (Hungary)
Beneficiary:	City of Kecskemét
Planned investments:	28 MW_{th} of deep geothermal capacity (including drilling and of production and rejection wells) and required infrastructure to feed heat to an existing district heating network supplying the city
Main activities:	- Licensing and permitting for the use of geothermal energy - Drilling and well testing - Securing financing for the investments - Technical and financial engineering and procurement of works - Communication on the lessons learnt at national and European level
Expected results:	**Energy savings:** 9,126 toe/year **RES production:** 9,126 toe/year **GHG reduction:** 22,015 tCO_{2e}/year **Investments:** EUR 30.4 million **Project costs:** EUR 379,295 **Leverage factor:** 80
Market replication potential:	Driven and partially financed by the City of Kecskemét, a special purpose company has been set-up to deliver the project. The project will provide other municipalities across Europe and especially in Hungary with a technically and financially viable plan to retrofit existing fossil fuel fired district heating networks by geothermal energy. This is of special relevance for countries with a large fraction of district heating infrastructure supplied by inefficient technologies, but (deep) geothermal resources available.
EU contribution:	EUR 284,471
Project duration:	30 months
Project status:	Started in March 2013
Contact person:	Ms Lívia Buzássy Municipality of Kecskemét, Investment Department buzassy.livia@kecskemet.hu / www.kecskemet.hu

L-CIF

Territory:	Cambridgeshire county (United Kingdom)
Beneficiary:	Cambridgeshire County Council
Planned investments:	Delivery of an investment programme including a mix of energy efficiency and renewable energy investment projects through a newly developed Investment Fund for Greater Cambridge and Greater Peterborough
Main activities:	- Set up a long term finance model/Fund(s) for joint private and public sector investment to support low carbon infrastructure development - Set up specific vehicles for delivering low carbon infrastructure and scalable retrofit schemes for public buildings - Deliver an investment programme including energy efficiency and renewable energy projects
Expected results:	**Energy savings:** 1,061 toe/year **RES production:** 2,229 toe/year **GHG reduction:** 14,333 tCO_{2e}/year **Investments:** EUR 17,029,320 **Project costs:** EUR 1,120,350 **Leverage factor:** 15.2
Market replication potential:	The project will develop a longer term framework/model that aligns different public sector funding opportunities which will leverage private money to develop an Investment Fund(s) for low carbon energy infrastructure and energy efficiency projects. The project will also develop the appropriate mechanisms to assist the set up of the Investment Programme through the newly developed Fund, which will also be available for the longer term for delivering significantly larger-scale retrofit and energy generating schemes. The communication of results will focus on the pathway for establishing the fund and delivery vehicles to ensure replication by other local authorities.
EU contribution:	EUR 840,258
Project duration:	36 months
Project status:	Started in August 2012
Contact person:	Ms Sheryl French - Cambridgeshire County Council sheryl.french@cambridgeshire.gov.uk http://www.cambridgeshire.gov.uk/business/economicandcommunitydev/energy-security/local-energy-investment.htm

NEWinRETRO

Territory:	City of Newcastle (United Kingdom)
Beneficiary:	Newcastle City Council
Planned investments:	Large-scale, city-wide, cross-tenure housing retrofit programme including energy efficiency and renewable energy measures. The investment and financing model is based on 10,000 to 15,000 homes to be retrofitted and will start with a first phase targeting 5,000 homes over the 3-year project funding period.
Main activities:	- Establish a financial model and investment programme to enable a large-scale domestic retrofitting scheme to be delivered - Procure a delivery partner for the scheme through a competitive dialogue process - Initiate delivery of the energy efficiency and renewable energy measures
Expected results:	**Energy savings:** 4,000 toe/year **RES production:** 90 toe/year **GHG reduction:** 8,900 tCO_{2e}/year **Investments:** EUR 30,000,000 **Project costs:** EUR 1,347,247 **Leverage factor:** 22
Market replication potential:	The project will pilot and implement a financing model that is based on the Pay-As-You-Save principal which will overcome the barrier of upfront investment costs for domestic energy saving measures. Public funding is provided to the Pay-As-You-Save delivery partner as domestic properties sign up for retrofitting. The funds are used to pay for the improvements, while the savings on the customer's energy bill are used to recoup repayments for the investment. The repayments are collected by the relevant energy supplier on behalf of the delivery partner. The financial model and lessons learnt from this project will be interesting for other local authorities that aim to set up housing retrofit schemes.
EU contribution:	EUR 1,010,435
Project duration:	36 months
Project status:	Started in July 2012
Contact person:	Ms Farah Hussain - Newcastle City Council farah.hussain@newcastle.gov.uk www.newcastle.gov.uk/environment/energy/warm-north

OTR

Territory:	Oxford City and Oxfordshire County (United Kingdom)
Beneficiaries:	Oxford City Council and Oxfordshire County Council
Planned investments:	EUR 30.6 million will be invested in: - energy performance contracts (EPC) and solar PV on public buildings (EUR 13.8 million), - community renewable energy projects focused on micro-hydro and solar PV (EUR 12.7 million), - domestic retrofits (EUR 4.1 million).
Main activities:	- Setting up the OxFutures Fund, which will aggregate public and private financing and complement public borrowing and citizen financing - Detailed project planning for EPCs on public buildings, which will be carried out by the facility management company - Assistance to local communities in the technical specifications of their investment projects and the mobilisation of citizen financing - Engagement and assistance for households for domestic retrofits
Expected results:	**Energy savings:** 2,797 toe/year **GHG reduction:** 16,400 tCO_{2e}/year **Investments:** EUR 31.8 million **Project costs:** EUR 1,535,530 **Leverage factor:** 19
Market replication potential:	The key potential for replication is the creation of an investment fund combining different sources of funding and the mobilisation of citizen financing for community-owned renewable energy projects.
EU contribution:	EUR 1,151,648
Project duration:	36 months
Project status:	Started in December 2012
Contact person:	Ms Jo Colwell, Project manager, Oxford City Council JColwell@oxford.gov.uk http://oxford.gov.uk/oxfutures

PadovaFIT!

Territory:	City of Padova (Italy)
Beneficiaries:	Municipality of Padova, ITS RED Foundation, Innesco, Banca Popolare Etica, Sogesca
Planned investments:	EUR 15.8 million in housing retrofit
Main activities:	- Creation of an innovative financing scheme based on the UK's Green Deal - Procurement of a private partner to manage the implementation of the scheme - Launch of a private equity fund to finance the retrofits - Engagement of the households in order to sign investment contracts - Targeted retrofit of 2,250 apartments
Expected results:	**Energy savings:** 1,350 toe/year **RES production:** 200 toe/year **GHG reduction:** 3,745 tCO_{2e}/year **Investments:** EUR 15.8 million **Project costs:** EUR 787,712 **Leverage factor:** 20
Market replication potential:	The key potential for replication is the creation of a financing mechanism where the repayment of the loan is connected to the energy meter and collected by utilities.
EU contribution:	EUR 590,782
Project duration:	36 months
Project status:	Started in June 2013
Contact person:	Ms Daniela Luise - luised@comune.padova.it

PARIDE

Territory:	Province of Teramo (Italy)
Beneficiaries:	Province of Teramo, AGENA (Energy Agency)
Planned investments:	Energy performance contracts (EPC's) on the street lighting facilities of 35 municipalities
Main activities:	- Detailed inventory of the street lighting facilities - Functional, legal and administrative specifications of the future EPCs - Competitive dialogue for 3 bundles of municipalities - Communication on the lessons learnt at national and European level
Expected results:	**Energy savings:** 2,669 toe/year **RES production:** N/A **GHG reduction:** 6,893 tCO_{2e}/year **Investments:** EUR 16.8 million **Project costs:** EUR 1,087,228 **Leverage factor:** 15
Market replication potential:	The project targets small rural municipalities which are too small to set up investments by themselves. The project funds project development assistance by the province with the help of specialised consultants, in order to launch EPC's. In order to reach a bankable size for the investments, street lighting facilities are bundled into 3 packages which will be procured jointly. Three temporary associations with specific scope (ATS) have been created by the involved municipalities in order to carry out the project. The organisational and legal aspects of the project offer a large replication potential to the many small municipalities across Europe that would like to invest in sustainable energy projects.
EU contribution:	EUR 815,347
Project duration:	36 months
Project status:	Started in October 2012
Contact person:	Mr Giacomo Di GIUSEPPE, Province of Teramo g.digiuseppe@provincia.teramo.it www.provincia.teramo.it/paride

POSIT'IF

Territory:	Region of Ile-de-France (France)
Beneficiary:	Société d'Economie Mixte Energies POSIT'IF
Planned investments:	Low-energy refurbishment with guaranteed energy savings in 32 condominiums as well as 8 social housing and public buildings
Main activities:	- Developing extended Energy Performance Contracting services to condominiums beyond normal market standards - Delivering Energy Performance Contracts (EPCs) to small housing companies and municipalities / local government services - Providing tailored capacity building activities to condominiums, social housing companies and municipalities
Expected results:	**Energy savings:** 1,942 toe/year **RES production:** N/A **GHG reduction:** 5406 tCO_{2e}/year **Investments:** EUR 40,000,000 **Project costs:** EUR 2,061,018 **Leverage factor:** 19
Market replication potential:	The energy refurbishment of condominiums has been identified as a great challenge across Europe because of its complex structures, including multi-ownership, governance, building management and maintenance arrangements. This project focuses on the development of Energy Performance Contract (EPC) for low-energy refurbishment, including guaranteed savings, which will be tailored to condominiums.
EU contribution:	EUR 1,545,763
Project duration:	36 months
Project status:	Started in April 2013
Contact person:	Mr José LOPEZ, Director jose.lopez@energiespositif.fr / www.energiespositif.fr

Solrod

Territory:	Solrod Municipality (Denmark)
Beneficiary:	Solrod Municipality
Planned investments:	Biogas CHP plant using cast seaweed, organic waste from local pectin and carrageen factory, and manure from local farms
Main activities:	- Design and preparation of tender - Financial and legal external advice - Procurement through competitive dialogue to identify turnkey contractor - Dissemination and communication of lessons learnt at national and EU level
Expected results:	**Energy savings:** N/A **RES production:** 60 GWh/year **GHG reduction:** 40,100 tCO_{2e}/year **Investments:** EUR 12,747,827 **Project costs:** EUR 627,840 **Leverage factor:** 20
Market replication potential:	The project will increase the level of renewable energy in heat and power generation within the inter-municipal district heating network. It will also deliver a range of environmental benefits by using cast seaweed from the local Køge bay, which currently causes high nitrogen levels endangering the aquatic status and marine life; prohibits recreational use of the areas along the bay, causes odour to neighbours and releases methane into the atmosphere during decomposition. The innovative use of seaweed as well as the overall project setup will deliver valuable experiences and opportunities regarding bio-energy production, particularly for coastal communities in Europe. The company Solrod Biogas A/S, which will be running the plant, was founded by Solrod Municipality. Construction works have started in September 2014 and the plant will be operational from 2015.
EU contribution:	EUR 470,880
Project duration:	36 months
Project status:	**Closed** (June 2014)
Contact person:	Mr Mikkel Busck - Solrød Municipality mbu@solrod.dk www.solrodbiogas.dk

ZagEE

Territory:	City of Zagreb (Croatia)
Beneficiaries:	Municipality of Zagreb, North-west Croatia Regional Energy Agency (REGEA)
Planned investments:	EUR 29.3 million in the refurbishment of 87 municipal buildings and street lighting.
Main activities:	- Refurbishment of public buildings and street lighting - 87 public buildings are targeted with expected savings of 49%, and 2,800 street lighting points with 72% savings - Investments are funded through municipal budgets, bank loans and European Structural and Cohesion Funds
Expected results:	**Energy savings:** 2,882 toe/year **RES production:** 25 toe/year **GHG reduction:** 8,390 tCO_{2e}/year **Investments:** EUR 29.3 million **Project costs:** EUR 1,813,438 **Leverage factor:** 16
Market replication potential:	The project can be replicated by municipalities wanting to cary out a massive programme of low-energy refurbishment of their building stock.
EU contribution:	EUR 1,360,078
Project duration:	36 months
Project status:	Started in April 2013
Contact person:	Mr Marijan Maras, City of Zagreb marijan.maras@zagreb.hr

2020TOGETHER

Territory:	Province of Torino (Italy)
Beneficiaries:	Province of Torino, Environment Park, Piedmont Region, City of Turin
Planned investments:	The project will invest in the energy efficiency refurbishment of 59 public buildings and 1,272 public street lighting points.
Main activities:	- Refurbishment of 59 public buildings with an aim to save on average 36% of energy - Refurbishment of 1,272 public street lighting points with the aim to save on average 50% of energy - Development of “network procurement” as a model to reduce time and cost of administrative tender procedures and increase the attractiveness of investments - Explore how European Regional Development Funds (ERDF) can support the economic viability and de-risking of low energy efficiency refurbishment investment through EPC schemes - Increase impacts of upcoming ERDF measures (2014-2020) on energy efficiency and tailor them to local specific needs
Expected results:	**Energy savings:** 1,796 toe/year **RES production:** 103 toe/year **GHG reduction:** 4,362 tCO_{2e}/year **Investments:** EUR 9.4 million **Project costs:** EUR 487,956 **Leverage factor:** 19
Market replication potential:	The findings on "network procurement" to increase the attractiveness of energy investments in public assets as well as the tailoring of the ERDF mechanism towards increasing the impact of energy efficiency measures are highly replicable across Europe.
EU contribution:	EUR 365,967
Project duration:	30 months
Project status:	Started in April 2014
Contact person:	Mr Silvio De Nigris, Province of Torino denigris@provincia.torino.it

EFI DISTRICT FWD

Territory:	Pamplona (Spain)
Beneficiaries:	Land and Housing Corporation of Navarre, Region of Navarre
Planned investments:	Integral energy renovation of the Chantrea district of the City of Pamplona including the construction of a new district heating network run on biomass, renovation of an existing district heating network and refurbishment of connected residential and public buildings.
Main activities:	- Creation of a new thermal grid fed by biomass to supply the entire district comprising a new generation plant and distribution grid to public and private buildings - Renovation of existing district heating network with old inefficient installations, and complementary works for inclusion of control and regulation systems and renewable energy resources - Integrated energy renovation of 6 district buildings, including thermal cladding, targeting homes built between 1950 and 1980 with inefficient systems
Expected results:	**Energy savings:** 541 toe/year **RES production:** 1.269 toe/year **GHG reduction:** 3,993 tCO_{2e}/year **Investments:** EUR 10.9 million **Project costs:** EUR 498,962 **Leverage factor:** 22
Market replication potential:	The project aims to establish a restoration protocol replicable to residential districts with similar problems. Investments will be tendered to ESCOs. The project will also explore the possibility to tender investments and energy services in a bundle.
EU contribution:	EUR 374,221
Project duration:	30 months
Project status:	Started in February 2014
Contact person:	Mr Patxi Ruano Varas, NASUVINSA pruanova@nasuvinsa.es www.nasuvinsa.es/en

GLEE AM

Territory:	Alto Minho (Portugal)
Beneficiaries:	Intermunicipal Community (CIM) of Alto Minho, Regional Energy and Environment Agency of Alto Minho (AREA)
Planned investments:	Energy efficiency measures in municipal sports facilities and street lighting through energy performance contracting (EPC)
Main activities:	- Capacity building on EPC - Data collection and baseline establishment - Functional, legal and administrative specifications of the future EPCs - Competitive dialogue to procure 2 EPCs - Communication on the lessons learnt at national and European level
Expected results:	**Energy savings:** 940 toe/year **RES production:** 177 toe/year **GHG reduction:** 3,477 tCO_{2e}/year **Investments:** EUR 6.9 million **Project costs:** EUR 400,046 **Leverage factor:** 17
Market replication potential:	The project targets small rural municipalities which are too small to set up investments by themselves. The project funds project development assistance by a second-tier authority in order to launch EPCs. In order to reach a bankable size for the investments, street lighting and public buildings of 10 municipalities will be bundled and will be procured jointly. The organisational and legal aspects of the project offer a large replication potential to the many small municipalities across Europe that would like to invest in sustainable energy projects.
EU contribution:	EUR 300,034
Project duration:	36 months
Project status:	Started in May 2014
Contact person:	Mr Júlio PEREIRA, Executive Secretary CIM Alto Minho – Comunidade Intermunicipal do Minho-Lima geral@cim-altominho.pt

MARTE

Territory:	Region of Marche (Italy)
Beneficiaries:	Region of Marche, Regional Health Company, Modena Energy and Sustainable Development Agency, Marche Polytechnic University, Italian Society for Healthcare Engineering and Architecture
Planned investments:	The project will mobilise financing for the energy refurbishment of 5 healthcare buildings including acute care hospitals and nursing homes.
Main activities:	- Refurbishment of 5 acute care hospitals and nursing homes aiming to achieve energy savings of on average 36% - Develop innovative financing models and strategies to support energy efficiency investments using a mix of instruments including the European Regional Development Fund (ERDF)
Expected results:	**Energy savings:** 1,917 toe/year **RES production:** 55 toe/year **GHG reduction:** 2,480 tCO_{2e}/year **Investments:** EUR 15.5 million **Project costs:** EUR 570,132 **Leverage factor:** 27
Market replication potential:	The replication potential for energy retrofitting of hospitals is high around Europe. In addition, the project aims to transfer the financing approach into the regional social housing and waste management sectors.
EU contribution:	EUR 427,599
Project duration:	32 months
Project status:	Started in March 2014
Contact person:	Mr Mario Pompei, Region of Marche mario.pompei@regione.marche.it

PSEE ALSACE

Territory:	Alsace region (France)
Beneficiaries:	Regional Council of Alsace, ADEME Alsace
Planned investments:	Deep renovation of detached housing
Main activities:	The project aims to set up a Public Service for Energy Efficiency (PSEE), which offers private households technical support for their renovation projects and a financing facility which attaches the debt to the property rather than to the owner. It aims to retrofit 1,000 homes.
Expected results:	**Energy savings:** 2,000 toe/year **RES production:** N/A toe/year **GHG reduction:** 3,500 tCO_{2e}/year **Investments:** EUR 40 million **Project costs:** EUR 1,493,622 **Leverage factor:** 27
Market replication potential:	This project aims to develop an integrated solution for the renovation of detached housing, working on both technical and financial support, which is essential to overcome the lack of capacity and the high debt ratio of individual homeowners.
EU contribution:	EUR 1,124,028
Project duration:	36 months
Project status:	Started in June 2014
Contact person:	Mr Daniel Schnitzler Regional Council of Alsace Daniel.schnitzler@region-alsace.eu

SOLANOVA

Territory:	City of Ujbuda and Pest County (Hungary)
Beneficiaries:	Municipality of Ujbuda and Pest County
Planned investments:	Deep renovation of multifamily panel buildings with shared ownership
Main activities:	- Engagement of homeowners - Technical audits and engineering of comprehensive refurbishment, based on the SOLANOVA technical concepts - Definition of financing plans based on homeowner investments, loans and public grants as well as energy performance contracting - Procurement of the works for 14 buildings representing around 2,000 households
Expected results:	**Energy savings:** 222,150 toe/year **RES production:** 2,158 toe/year **GHG reduction:** 5,276 tCO_{2e}/year **Investments:** EUR 20.4 million **Project costs:** EUR 1 million **Leverage factor:** 20
Market replication potential:	The project will implement deep renovation in 14 types of buildings, which are highly replicable in Hungary and in Central and Eastern Europe.
EU contribution:	EUR 750,000
Project duration:	36 months
Project status:	Started in April 2014
Contact person:	Mr Zoltán Kiss Municipality of Újbuda kiss.zoltan3@ujbuda.hu