



Covenant of Mayors Investment Forum Energy Efficiency Finance Market Place

21 February 2018
Brussels, Belgium

#invest4cities



PROJECTS ABSTRACTS

11:00 – 11:45 1 st BREAKOUT SESSION	
Climate revolving fund (Almada, PT)	<p>The “Almada Less Carbon Climate Fund” aims at reducing Almada’s carbon footprint by financing both climate mitigation and adaptation investments. Thanks to the city’s participation in the EU-funded INFINITE Solutions project, the fund was upgraded in 2016 to a revolving fund. This means that the cost savings resulting from the implemented climate mitigation and adaptation measures are now directly returning to the fund, ensuring sustainable leverage of the fund and boosting further investments in tackling climate change and accelerating the clean energy transition in Almada. The size of the revolving fund was €500,000 in 2016. Funded under Intelligent Energy Europe.</p> <p>Catarina Freitas, City Council of Almada</p>
Energy & Mobility Fund (Marche Region, IT)	<p>The "Energy and Mobility Fund - FEM" represents an innovative financing mechanism which aims to accelerate public and private energy investments, combining regional resources with European funds. The fund was set up under the MARTE project and has a volume of €20m and provides low interest loans for the implementation of measures aimed at increasing low-emission vehicles for public transport, energy efficiency in public buildings, lighting networks, and industry. The fund has already issued over €10m of loans to projects from Energy service companies (ESCOs), Private Public Partnerships (PPP), public entities/companies, transport service operators and SMEs. The financial instrument is expected to support about 250 investment projects. Funded under Intelligent Energy Europe.</p> <p>Cinzia Colangelo, Marche Region & Silvia Marsili, Artigiancassa</p>
EOL (Ljubljana, SI)	<p>The EOL programme was launching two tenders for Energy Performance Contracts to retrofit 76 public buildings, including deep retrofits, using an ESCO model. In addition, more than 170 smaller energy efficiency investments were implemented within the project. Overall, the project triggered over €49 million of energy investments. Funded under ELENA.</p> <p>Alenka Loose, City of Ljubljana & Marko Umberger, EOL Project Team</p>
POSITIF (Region of Ile-de-France, FR)	<p>The Ile-de-France Region launched a semi-public Energy Service Company (ESCO) that developed an innovative and all-inclusive deep renovation package for condominiums with guaranteed energy savings and provision of Third Party Finance (TPF) using Energy Performance Contracting (EPC). The project has already delivered an investment of €37m in 8 condominiums (2,100 apartments), with another 40 contracts in the pipeline, and its model is now replicated in many French regions. Energies POSIT'IF received a loan over €100 million from the EIB thanks to the guarantee made possible through the European Fund for Strategic Investment. Funded under Intelligent Energy Europe.</p> <p>Raphaël Claustre, SEM Energies POSIT'IF</p>
EUROPACE (Europe)	<p>EuroPACE aims to test and roll-out the property assessed clean energy (PACE) model, which is an innovative on-tax financing mechanism for energy efficiency and renewable energy improvements on private property. The project will work with local and national governments to set up PACE schemes that will result in the deployment of private capital, facilitation of risk reduction of energy efficiency investments, provision of technical assistance to energy consumers and standardisation of underwriting requirements. Funded under H2020.</p> <p>Eduard Puig MacLean, GNE Finance</p>

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12:00 – 12:45 2nd BREAKOUT SESSION

<p>Managing heavy rains and storm water (Copenhagen, DK)</p>	<p>The City of Copenhagen is implementing a cloud burst plan which includes more than 300 constructions projects and an investment of €1.5 billion including private and public investments. Financing of the public program is a combination of water tax and municipality tax. The solutions is based on green and blue surface solutions combined with pipes and gives the city a unique opportunity to improve life quality of the Copenhageners by creating green and blue recreational areas and a more diverse city. The first projects have been finished and over the next 20 years the construction work will change not only the way the city manages the water, but also how the city will look. Jan Rasmussen, City of Copenhagen</p>
<p>Smart City Mobility Concept (Amsterdam, NL)</p>	<p>The City of Amsterdam is currently preparing a Smart City Mobility Concept including a regenerative braking energy system for the metro, an IT backbone for the overall mobility concept, the purchase of 67 electric buses inclusive of the charging infrastructure and 12 hybrid plug-in electric harbour ferries. The investment targeted is over €165 million. Funded under ELENA. Talitha Koek, GVB Exploitatie B.V. & Patrick Weizen, ERAC</p>
<p>ESCOLimburg2020 (Province of Limburg, BE)</p>	<p>In the ESCOLimburg2020 project, the public energy grid operator Infrac developed an integrated service to accelerate the energy renovation of municipal buildings, covering all steps from audits to works implementation and finance. This public ESCO service is organized in the context of the implementation of local climate plans (SEAPs) for the Covenant of Mayors. Over €20 million have been invested in the refurbishment of public buildings. Funded under Intelligent Energy Europe. Patrick Boucneau, Province of Limburg & Dirk Schreurs, Infrac</p>
<p>EnerSHIFT (Region of Liguria, IT)</p>	<p>The main aim of the EnerSHIFT project is the preparation of an energy retrofit investment portfolio in the public social housing sector of Liguria (Italy) by promoting and applying financing models, which are very innovative in the region. Energy audits and feasibility studies will be performed on 44 social housing buildings and tenants (around 3,500 families) are actively engaged with regard to acceptance and behavioural issues. On this basis, investment tenders will be launched for energy performance contracts (EPCs) with energy service companies (ESCOs). During the project duration, the project will prompt investments of around €15 million. Funded under Horizon 2020. Giuseppe Sorgente, Region of Liguria</p>
<p>LEMON (Region of Emilia-Romagna, IT)</p>	<p>The project LEMON focuses on the energy retrofit of 622 private and public dwellings in the social housing sector of two regions of Emilia-Romagna by establishing an innovative financing approach. It expects to trigger energy efficiency investments of €15.29 million by applying EPC model contracts combined with a new green lease concept based on the energy performance of the housing units (Energy Performance Tenancy Agreement). Funded under Horizon 2020. Claudia Carani, Agenzia per l'energia e lo sviluppo sostenibile associazione (AESS)</p>
<p>Investor Confidence Project Europe (EU)</p>	<p>ICPEU project aims to unlock private investments into the energy efficiency market by standardizing how projects are developed, documented and measured. With now more than 30 projects and programmes adopting the Investor Ready Energy Efficiency™ (IREE™) Certification in Europe, and 17 firms part of the ICP Investor Network, representing more than € 1.5bn in capital looking for projects to invest in, ICP is creating the right tools to increase capital flow in energy efficiency. Funded under H2020. Steve Fawkes, EnergyPro</p>

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14:00 – 14:45 3rd BREAKOUT SESSION

<p>Climate adaptation measures (Bratislava, SK)</p>	<p>Bratislava city has created a small-grant scheme for sustainable water management installations in order to support the use of adaptation measures at household level, which is available since 2016. Eligible applicants can be refunded for 50% of the total cost (up to maximum of €1.000). The subsidy system is a follow-up activity of the project “Bratislava is preparing for the climate change – pilot application of measures in the field of the sustainable rainwater management in urban areas” which was supported by the EEA Grants and Norway Grants with co-financing from the Slovak Republic state budget and Bratislava’s municipal budget. This project supported creating over 30 individual adaptation measures in 10 sites by Bratislava city and other project partners. Martina Tichá, Bratislava City Hall</p>
<p>Electrobus Barcelona (Barcelona, ES)</p>	<p>The project supported the Municipality of Barcelona and TMB (Transports Metropolitans de Barcelona) to develop a prototype for retrofitting diesel bus into hybrid electric ones. Over €36 million were triggered with the procurement of 73 hybrid buses. Funded under ELENA. Josep-Maria Villa Armengol, Transport de Barcelona</p>
<p>2020TOGETHER (Region of Piedmont, IT)</p>	<p>The 2020TOGETHER project launched an investment programme based on Public Private Partnerships and Third Party Investment (TPI) involving regional, provincial and local authorities, financial institutions and local industries/investors. The project launched investment into the energy efficiency refurbishment of public buildings and public street lighting points with an overall investment of €12.5M. The project applied two different approaches using Energy Performance Contracting: a bundling scheme for small and medium municipalities for buildings and street lights and a pooling scheme for the regional capital City of Torino (more than 100 buildings). The project demonstrated the implementation of an innovative approach to energy efficiency investment for the public sector. Funded under Intelligent Energy Europe. Silvio De Nigris, Region of Piemonte & Stefano Dotta, Environment Park</p>
<p>INNOVATE (EU)</p>	<p>INNOVATE will develop and roll out attractive energy retrofit packages in 11 target territories – ideally through setting up one-stop-shops. The project aims to set up structures to motivate homeowners to carry out deep energy retrofits of private residential buildings – single family houses and condominiums. Funded under H2020. Jana Cicmanova, Energy-Cities</p>
<p>RESCOOP MECISE (EU)</p>	<p>The project brings together well-established citizens' energy cooperatives (REScoops) from different EU Member States that will develop projects and set up innovative approaches in order to launch concrete investments by European citizens and local authorities, both in renewable energy and energy efficiency. The creation of a REScoop-dedicated financing vehicle on a European level should allow efficient and flexible financing of a wide range (in scale and type) of sustainable energy investments with the involvement of citizens all over Europe. During the project duration, RESCOOP MECISE will trigger more than €110 million of sustainable energy investments. Funded under Horizon 2020. Karel Derveaux, Ecopower</p>

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15:00 - 15:45 4 th BREAKOUT SESSION	
Flood-proofed districts (Bilbao, ES)	The Regional Basque Government, Bilbao City Council, the Port Authority of Bilbao and various private entities created a public-private partnership to implement climate adaptation measures. Key measures include the elevation of the ground level of buildings and public green spaces, the opening of the Deusto canal (€20.9 million) and flood protection barriers (€5.1 million) as well as the structural rehabilitation of the river bank and the storm-water tanks (€4.74 million). Asier Abaunza, Bilbao City Council
ZEB - The Zero Emission Buses (NL)	The project accelerates the transition to zero emission bus transport concessions in the southern provinces of The Netherlands. With new concessions deadlines that came up in this region, the region developed new tender specifications to include zero emission standards. So far €10,4 million of investment into zero emission buses has been confirmed from the pilots and €150 million has been confirmed based on the documents and information from concessionaires to be invested the next 8 years. This sum is representing nearly 490 buses of which around 60 are already in operation. Funded under ELENA. Maarten Post, Region of Brabant
NEWLIGHT (HR)	The project supports the modernisation of public lighting systems in 57 Croatian cities and municipalities based in Zagreb County and Krapina-Zagorje County. The project will replace around 60,000 luminaries by more energy-efficient technologies such as LED and installation of the power control (dimming), with the potential to achieve energy and cost savings of 60%. Planned Investment is around €20M and will be realised mainly through Energy Performance Contracting (EPC). Funded under ELENA. Ivan Pržulj, North-West Croatia Regional Energy Agency
Super Homes (IE)	Super Homes is aiming to be the complete one stop shop for domestic deep retrofit in Ireland. To date 84 homes have been deep retrofitted at an investment of €3.2M aiming to achieve €15M of investment between now and 2020 using a variety of funding sources. Streamlined access to loan finance will be an important building block for the next three years. Funded under ELENA. Paul Kenny, Tipperary Energy Agency
GuarantEE (EU)	Energy Performance Contracting (EPC) is an energy service model which has been applied successfully in the modernisation of mostly public buildings since 20 years. Within the guarantEE project, 14 experienced partners from advanced and emerging ESCO markets will address prevailing barriers to EPC and develop innovative business and financing models for performance-based ESCO projects. Public property administrations will be addressed to discuss possible improvements to EPC and will be supported in the implementation of pilot projects. The developed models will be applied in 33 pilot projects involving private and public building owners and will trigger investments of over €11 million. Funded under H2020. Christoph Lahrenke, Berliner Energieagentur GmbH

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16:15 – 17:00 5th BREAKOUT SESSION

<p>Climate adaptation bond (Paris, FR)</p>	<p>The Paris Climate Bond was issued in November 2015 to finance projects in climate mitigation and adaptation. The total size of the bond is €300 million, with a running time until May 2031. 20% (€60 million) of the bond funds have been assigned to adaptation projects. The bond targets private investors who consider it a secondary advantage to invest in the sustainability of the city of Paris. They will receive a profit rate of 1.75 % per year. Annual reporting ensures transparency, whereby the issuer has to justify the allocation of money to projects complying with the set criteria. Currently, two projects with a climate adaptation objective are being implemented: planting 20 000 trees in the city and creating 30 hectares of new parks by 2020. Yann François, City of Paris</p>
<p>Aarhus Light Rail (Aarhus, DK)</p>	<p>The purpose of the AALRT Programme was to support initiatives that can secure the integration and transformation of existing rail lines into light rail with rail freight capacity. The decision includes electrification of 125 km of existing tracks and help to increase the energy optimization of the light rail system and control and maintenance centre in Aarhus. Funded under ELENA. Britta Degn, Aarhus Letbane</p>
<p>RE:FIT (UK)</p>	<p>RE:FIT has set up a Framework Agreement based on an energy performance contract (EPC) model with a Savings Guarantee to support public sector organisations to implement energy efficiency and local energy generation measures across their premises and sites. Nationally, RE:FIT has delivered more than 700 energy improvement projects. Nearly 250 public sector organisations have signed up for projects worth £140 million. Payback periods run for 7 to 10 years typically. These projects are saving 50,000 tonnes of CO2 and reducing energy bills by more than £11 million every year. Funded under ELENA. Rachel Toresen-Owuor, Local Partnerships</p>
<p>L-CIF (Cambridgeshire UK)</p>	<p>L-CIF successfully established an Energy Investment Unit and Local Authority Fund of €30 million which has delivered energy efficiency and renewable energy measures in 43 schools and 7 public buildings through energy performance contracts at a value of €14 million as well as a solar park investment of €12 million which is now generating electricity for 3,000 homes and providing income for the authority of approximately €420,000 p.a. Another Smart Energy Grid project on a park and ride site for 1 MW of energy generation with battery storage and electric vehicle charging points is under development. Funded under Intelligent Energy Europe. Cherie Gregoire, Cambridgeshire County Council</p>
<p>PICARDIE Pass Renovation (Region of Picardie, FR)</p>	<p>The region has set up a one-stop-shop for private home owners to improve the energy performance of their homes. The first phase targets in total 1,840 homes and an energy investment of over €50 million. Funded under ELENA. Alice Morcrette, Régie Régionale du Service Public de l'Efficacité Énergétique</p>
<p>LoCaL (EU)</p>	<p>The Low Carbon City Lab focus is on building expert support platforms for cities in finance as well as facilitating matchmaking between cities and investors. The City Finance Lab has the ambition to trigger €500 million of investments by 2025. The sustainable urban infrastructure investment gap calls for better collaboration between public and private stakeholders, solution providers, investors and most importantly municipal authorities. Victor Gancel, Climate KIC</p>

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FAIR – LIST OF STANDS

All stands are located in room EVASION/INNOVATION on the 1st floor

Covenant of Mayors
Executive Agency for Small and Medium-sized Enterprises (EASME)
European Investment Bank (EIB)
European Energy Efficiency Fund – Deutsche Bank
Urban Innovation Actions Permanent Secretariat
European Innovation Partnership – Smart Cities and Communities (EIP-SCC)
ManagEnergy
Project Climate Adaptation – City of Copenhagen
Project Climate Adaptation Measures – City of Bratislava
Project INNOVATE – Energy Cities
Project 2020TOGETHER – Region of Piedmont
Project INVESTOR CONFIDENCE PROJECT EUROPE (ICPEU) – EnergyPro
Project EUROPACE – GNE Finance
Project EnerSHIFT – Region of Liguria
Project MARTE – Region of Marche
Project SUPER HOMES – Tipperary Energy Agency

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