



Upcoming DIADEME Events

15/02/2017

Website Presentation

17/09/2017

Lux Europa, Ljubljana

29/11/2017

Mid Term Conference

25 years of LIFE programme

The LIFE programme is the EU's funding instrument for the environment and climate action. The general objective of LIFE is to **contribute to the implementation, updating and development of EU** environmental and climate policy and legislation by co-financing EU projects with added value.

LIFE began in 1992 and to date there have been four complete phases of the programme (LIFE I: 1992-1995, LIFE II: 1996-1999, LIFE III: 2000-2006 and LIFE+: 2007-2013). During this period, LIFE has co-financed **some 3954 projects across the EU**, contributing to the protection of the environment.

The European Commission (DG Environment and DG Climate Action) manages the LIFE programme and has delegated the implementation of many components of the LIFE programme to the Executive Agency for Small and Medium-sized Enterprises (EASME). External selection, monitoring and communication specialists are assisting the Commission and EASME. The **European Investment Bank** will manage the two new financial instruments (NCFE and PF4EE).

Current financial budget is 3.456 Euro Millions, for both "Environment" and Climate Action" sub-programs.

Main LIFE program objectives are the following :

- ▷ contribute to the shift towards a resource-efficient, **low-carbon and climate-resilient economy**, to the protection and improvement of the quality of the environment and to halting and reversing biodiversity loss, including the support of the Natura 2000 network and tackling the degradation of ecosystems;
- ▷ improve the development, implementation and enforcement of Union environmental and climate policy and legislation, and to act as a catalyst for, and promote, the integration and mainstreaming of **environmental and climate objectives into other Union policies and public and private sector practice**, including by increasing the public and private sector's capacity;
- ▷ support **better environmental and climate governance** at all levels, including better involvement of civil society, NGOs and local actors;
- ▷ support the implementation of DECISION No 1386/2013/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 20 November 2013 on a General Union Environment Action Programme to 2020 '**Living well, within the limits of our planet**'.

DIADEME Partners



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DIADEME Project

DIADEME project, co-funded by LIFE program, is field-testing a new **Smart adaptive lighting system**, devoted to street lighting, both economically efficient and able to grant safety, while reducing energy consumption dramatically.

Available data indicate a further **30% energy saving** compared to existing “auto-dimming” systems actually used in most advanced public lighting installations, and a further **50% energy saving** compared to lighting systems without any light dimming. Efficient use of energetic resources represents the essential requisite for Smart Cities.

Improved energy management is also increasing **average luminaires’ lifetime** through DIADEME approach. Direct consequence? Reduced electronic waste.

DIADEME Smart City system is helping **greenhouse gases reduction**: less energy means less gas emission. Thanks to energy saving, environment is receiving benefit from **30% drop of CO2 emissions**.

Coordinating Partner: Reverberi ENETEC

In the early ‘80s Reverberi Enetec started designing of a new control panel devoted to public lighting energy saving.

Therefore, in 1982, LM and LT power controllers, very first on the market, were released from Reverberi laboratories.

Continuous R&D evolution and consideration to new components required on the market, led to manufacturing of a new device for static control of lighting flux (SEC STP) along with a wide series of accessories allowing to perform remote-management and remote control functionalities, up to individual point-to point control.

Today Reverberi Enetec offers a wide product range devoted to public lighting dimming and remote management with Smart City background in both Power Line and Radio Frequency technology.

Research and development

Reverberi Enetec planned to invest in a R&D structure devoted to ambitious projects development: through constant commitment of a technical specialised team, new products and range accessories are created and launched on the market allowing widest choice on the market.



General DIADEME Project Objectives

- Street lighting’s luminance dimming through **adaptive algorithms** in compliance to new revision of CEN 13201 (UNI 11248)
- Achieving of a high level of **street safety** along with considerable energy saving.
- Improvement of street lighting **luminaires’ Lifetime** with resulting reduction of electronic waste.
- Reduction of **CO2 emissions** onwards environment.

Breathe life into to Hi-Tech content products, reliable and extremely simple to use, these are the main guidelines for Reverberi Enetec.

In 2004, Reverberi ENETEC got a funding from Finance Ministry for development of intelligent remote management systems for public lighting,

In 2011 a second funding from Lombardy council was awarded to Reverberi, devoted to R&D for a new sensor for adaptive public lighting.

Project Partner: AGIRE SCRL

Founded by stakeholders of the territory on June 7, 2006 thanks to a project funded by the European Commission, the Agency for the energy AGIRE is implementing Community policies locally with a global vision. "Agency for the intelligent management of energy resources".

Among the Consortium's main partners there is the province of Mantua, who entrusted the Agency with the preparation of the provincial energy plan as a tool for sustainable energy policies, program in direct connection with the Community objectives "Horizon 2020 program.

AGIRE is local promoter of the implementation of the three pillars of the so-called "20-20-20 package" that the EU has put in place for member countries with specific objectives: the use of renewable energy, energy conservation and energy efficiency with particular attention to local authorities, small and medium-sized enterprises, farms, Family Appliances. AGIRE represents a challenge as to reduce climate-altering gas emissions, promotion of sustainable public transport, public awareness towards sustainable economic development and innovation green.

AGIRE is also research and technology transfer Centre-CRTT and Question-Open Innovation recognized by Lombardy region and therefore plays a role of tutor for obtaining regional funding for research and innovation projects on regional policy areas.

As a partner in the project LIFE-DIADEME, ACT plays the delicate task of planning and developing the project communication and dissemination.



Reverberi ENETEC SRL

and

Agire SCRL

wish-you all a

Merry Christmas

and

Peaceful New Year.