



Opere Project

INTERESTING FACTS

Life + Programme
Environment and Governance
Policy

Total Budget: 1.190.479 Euro

Duration of the Project:
42 months

July 2013-December 2016

PARTNERS

University of Santiago de
Compostela (Lider)

EnergyLab

www.life-opere.org



The Project is financed by the
European Community's Financial
Instrument for Environment LIFE

Newsletter nº 2

July 2015

1 THE FIRST TECHNICAL PANEL OF EXPERTS OF THE OPERE PROJECT

The first Technical Panel of Experts of OPERE project was celebrated as part of the C.1. action "Monitoring of the socioeconomic impact of the project" on 21st October. This action aims to determine the effect of the project on the environment and the circumstances in which it is performed. In order to measure the socio-economic impact, the project is planning to choose some panels of experts that will try to decide how important the impact of the project on their environment through some indicators is.

The meeting took place in the CITEXVI building in Vigo and experts about this project as well as other expert guests related to the energy sector attended. The main objective of the Panel was to have a debate so that participants could validate or suggest alternatives to proposals identified in the project, by studying different strategies which were suggested about energy efficiency raised.

The meeting, which was three hours long, had some very satisfactory results. The consortium LIFE-OPERE thanks experts for their presence and active participation in the Panel. Especially, the project thanks interesting contributions to:

Responsible for LIFE-operating consortium partners thank all the experts their presence and active participation in the Panel. Especially, the Project thanks the interesting contributions of:

- **Manuel García**, from Ingeniería Magaral
- **Jose Luis García Angulo**, from Universidad de Vigo
- **Cibrán Ledo**, from IMATIA
- **Alberto Méndez**, from CO2 SmartTech
- **Carlos Rivas Pereda**, from ELINSA





2 PARTICIPATION DE OPERE AT THE SMARTCITIES CONFERENCE

The “III Jornadas Técnicas SmartCities & Communities” were held in the Congress Palace Mar de Vigo On 25 and 26 November. The University of Santiago de Compostela was a sponsor at this meeting.



The presence of the OPERE project allowed sharing knowledge and practical experiences to contribute to an improvement of services to citizenship and the social, economic and environmental environment.

The event combined one exhibition area of open access on which could be know different proposals of leading companies in the field of the SmartCities & Communities, with thematic sessions in which independent experts and companies presented their points of view on the concept, strategies, trends and the future of smart cities and communities.

University of Santiago de Compostela set up a stand in the exhibition area in which presented the work done within the OPERE project through various outreach materials: posters, brochures, newsletter, among others.



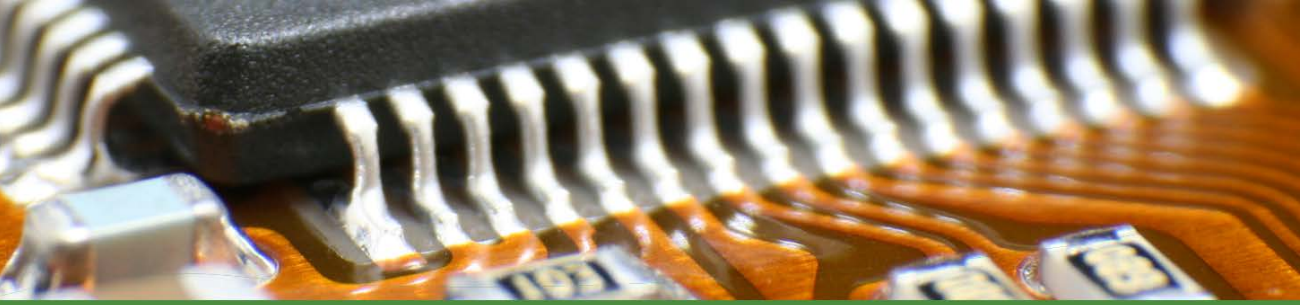
On the other hand, a presentation was performed on 26th, during the Thematic Session devoted to Energy, in the auditorium where the project, its objectives, actions carried out and the results achieved so far were presented.

The conference, where about 300 professionals took part in, led a debate among academics, professionals and businesses on the status and future challenges smart cities.

For more information [here](#).

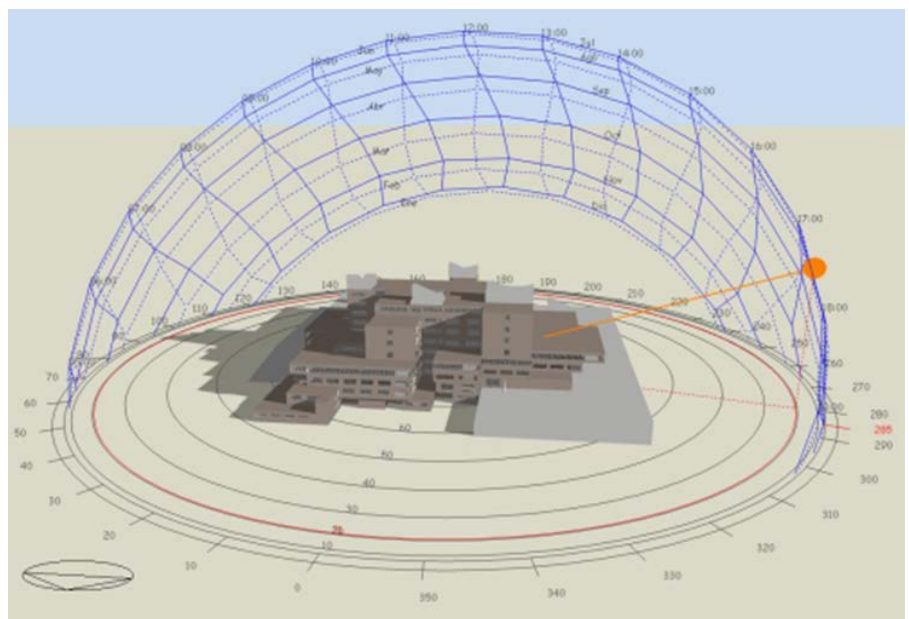
3 COMPLETION OF THE DEMONSTRATION PLAN

Reached the midpoint of the OPERE project, the A2 action is completed. Its objectives were to identify improvements for the proposed technical solutions to implement, and which resulted in the deliverable: “Demonstration and Improvement Plan”. In this action they were identified, discovered and classified the more interesting different measures of energy efficiency for implementation in the Monte da Condesa complex, taking into account primary energy savings and greenhouse gas emissions, as well as different cost-efficiency ratios. For the comparative assessment of the different measures a computational model of the base building has been developed, which has been calibrated with data of energy consumption of the USC.



In addition, a study of the thermal and electrical Smart Grid defining its main features was conducted; this information is included in the aforementioned deliverable.

On the other hand, the University of Santiago de Compostela is betting on an improvement in remote control and remote supervision of its own energy infrastructure. Thus, it has begun to replace old automata by Honeywell Excel Web model that supports the BACnet protocol, which is an open standard for HVAC systems widely implemented. This implies that at completion of the project OPERE all buildings will be migrated to this standard.



Monte da Condesa complex 3D rendering with shadow visualization

4 DEVELOPMENT REFORM PROJECT OF BOILER ROOM AND TENDER OF THE WORK

Currently they are carried out B1 actions aimed at the implementation and roll up of energy efficiency measures, the Smart Grid and the monitoring system defined in the A2 Action . In this sense, it has been developed the technical project for the renovation of the boiler room of Monte da Condesa complex and it has been implemented the data storage module monitoring system for buildings of interest.

In addition, recently, it has published the tender for the rush of the refurbishment of facilities. Currently, the deadline for submitting proposals is already finalized and the tender is being resolved. It is expected that the works can begin in early August and are completed before the start of the new university course.



5 PARTICIPATION IN THE IT4ENERGY

On 27 and 28 April 2015 was held in Lisbon the IT4ENERGY 2015 symposium, In that symposium topics focused on policies and best practices in the application of information technology (IT) in the field of energy efficiency were discussed.



Life-OPERE project participated in the event with the paper: “Data Storage Optimization for Energy Management in Intelligent Buildings”. The presentation of the paper took place on the afternoon of the 28th by the researcher Samuel Otero Paz. The event also took the opportunity to publicize the project by exposing posters and leaflets. The presence of the project in this forum of international impact also allowed the exchange of knowledge and practical experiences related to IT applied to intelligent energy management.

For more information [here](#).

5 CONTACT DATA

USC

Juan Arias
Instituto de Investigacions Tecnoloxicas
Universidade de Santiago de Compostela
C/Constantino Candeira,s/n.
15782 Santiago de Compostela
Email: juan.arias@si.usc.es
Tfno: +34881816005

EnergyLab

Patricia Vázquez
Edificio CITEXVI, Local 1
Rúa da Fonte das Abelleiras, s/n
Campus Universitario
36310 Vigo
Teléfono +34 986 120 450
Patricia.vazquez@energylab.es