



NEWSLETTER JULY 2014

Enhancing Mediterranean Initiatives Leading SMEs to Innovation in building Energy efficiency technologies – EMILIE

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Partners:

Italy - AREA Science Park (Lead partner)
 France - CAPENERGIES
 Spain - Foundation CIRCE, Research Centre for Energy Resources and Consumption
 Spain - Andalusian Institute of Technology
 Slovenia - Jožef Stefan Institute
 Croatia - Regional Energy Agency Kvarner

Project duration:

1.1.2013. - 30.6.2015.

Website:

www.emilieproject.eu

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SECOND HALF OF 2014: INNOVATIVE PILOT PROJECTS ON OUR RADAR



SunLab (Italy), SmartEE (France), Glassolating and HVAClab (Spain), InfraSUN (Slovenia) and SunCool (Croatia): having entered the second half of the year, but also the second half of the project lifetime, we are diligently making our last steps in bringing EMILIE pilot projects to life. The majority of pilot plants, which will be presented in this and future newsletter issues, are about to be put into operation before the end of June and the first sets of seasonal aggregated results are expected to be published by September.

Also, starting this autumn, a set of technical workshops for the presentation of new technologies and products mapped at European and global levels, and tested in our pilot plants, will be organized, suited primarily for SMEs, clusters and regional and local administrations in charge of managing public buildings but open also to other stakeholders. We invite you therefore to stay tuned, follow our website, and join us in our upcoming activities.

NEWS:

Sun as Infrastructure - Models of Infrastructural Solar Heating and Cooling

The InfraSUN pilot plant, built at JSI campus in Ljubljana, focuses on demonstration and testing of emerging solar thermal technologies. The core of the setup involves 2 adsorption chillers (each of 10 kW) and an innovative vacuum tube collector field (41 kWth). Control and monitoring system ensures appropriate inter-operability between solar, ventilation and cooling systems as well as provision of real-time status of the overall system. The pilot plant is ready for visiting on request and the IJS team will be more than happy to show you around.

Phase Material Change Technology in Glass Envelopes

For our third pilot presentation we remain in Spain but transfer to Zaragoza where another EMILIE pilot plant, called Glassolating, is located. This pilot began testing the efficiency and usefulness of Phase Change Materials (PCM) in comparison to conventional glass at two different sites near the Research Centre for Energy Resources and Consumption (CIRCE) at the end of April. PCM increases the thermal inertia of the envelope, and thus decreases energy consumption. This decrease in energy consumption in tertiary buildings is being evaluated in order to assess to what extent PCM could be an attractive insulation solution for the sector.

HVAC Technology Lab for Office Buildings

HVACLab pilot plant, located in Sevilla, is ready! The simulations of the Instituto Andaluz de Tecnologia (IAT) building by means of EnergyPlus, to assess the energy demand of the building, and by CALENER, to obtain the energy certification label, have been done. Besides that, all energy efficiency measures, (installation of curtains in SW facade and replacement of sunshade of the skylight), and actions related to improvement (replacement of insulation material in the supply and return system of HVAC installation, have been finished, making this pilot plant ready to receive its first visitors.

Third Capitalization Meeting in Ljubljana, Slovenia

Almost 30 invited experts took part in the 3rd EMILIE Capitalization meeting that was held in Ljubljana on the 11th of June 2014, highlighting various aspects of funding opportunities for innovation and facilitation of financing for SMEs in the field of energy efficiency in buildings. Interesting presentations of international projects were followed by the workshop in which participants discussed challenges regarding implementation of ELENA funds and how to maximize the benefits of ESCOs and EPCs.

UPCOMING EVENTS:

- [IV International Conference on Science, Arts and Culture](#) □ [Workshop on Geothermal Energy Status and Future in The Peri-Adriatic Area](#), Veli Ločin, Croatia, 25 - 26 August 2014
- [OCOVA AlpMedNet Forum](#), Gap Chateau de Charance, France, 16 - 17 September 2014
- [5th International Conference on Harmonisation between Architecture and Nature](#), Siena, Italy, 24 - 26 September 2014
- [The World Sustainable Building 2014 Conference](#), Barcelona, Spain, 29 - 30 October 2014
- EMILIE Technical workshops in Italy, Spain, France, Slovenia and Croatia - to be announced



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