

FOSS Research Centre for Sustainable Energy of the University of Cyprus the National Winner of “Energy Globe Award 2020”

The research team of FOSS Research Centre for Sustainable Energy and the PV Technology Lab participated in the international environmental contest with the “SmartPV” research programme

The PV Technology Lab and FOSS Research Centre for Sustainable Energy of the University of Cyprus were granted the Energy Globe National Award for Cyprus, (“Energy Globe 2020”)by the national Energy Globe jury, which is based in Austria.The Energy Globe Award is the most important award for Sustainability worldwide.



The research team, under the supervision of Prof. George E. Georghiou, Director of “FOSS”, participated in the international contest with the research programme “SmartPV” titled “Smart Net Metering for Promotion and cost-efficient Grid

Integration of Photovoltaic Technology”. This is a pioneering research project, which is focused on optimising household electricity consumption via smart net-metering and application of dynamic electricity tariffs, with significant financial and environmental benefits for the energy development of the island.

The project SmartPV was distinguished amongst 2,500 projects that have been submitted by more than 180 countries. This is the second award for the project SmartPV of the PV Technology Lab and FOSS Research Centre for Sustainable Energy of the University of Cyprus, since the project was the winner of 2019 LIFE Awards in the category Climate Action.

European Research Project “SmartPV”

Launched in July 2013, SmartPV (“Smart net metering for promotion and cost-efficient grid-integration of PV technology in Cyprus”), is a pioneering research project focused on optimizing household electricity consumption via smart net-

metering and application of dynamic electricity tariffs for all interested parties including consumers, distribution and supplier networks. The project SmartPV was led by the FOSS Research Centre for Sustainable Energy of the University of Cyprus, while the rest of the consortium included all the key energy players in Cyprus, both from the public and private sectors such as the Cyprus Energy Regulatory Authority (CERA), the Electricity Authority of Cyprus (EAC), the Department of Environment (Ministry of Agriculture, Rural Development and Environment), and Deloitte. The project was financed by the European LIFE + Programme (LIFE + Environment Policy and Governance) and has a total budget of €1.219.838.

In the SmartPV project, 300 prosumers in Cyprus were selected and transferred from the prevailing flat tariff to a pilot Time of Use (ToU) tariff scheme. All participating prosumers were geographically spread throughout Cyprus to cover different socio-geographical situations, with 2/3 of prosumers residing in urban areas and 1/3 in rural areas. SmartPV foresees the development of a new data collection system for use at the point of generation through in-house displays to provide key performance metrics in order to induce a behaviour change in consumption. For 100 prosumers In-House Displays (IHDs) were installed at their households, while others had access either to a web application or received information about their energy habits through the traditional bi-monthly mail bill. This practice is already applicable in other countries and enables the consumer to monitor and control the electricity consumed and to calculate the operating costs of the electrical appliances in the house in real time, thus helping to avoid the irrational use of energy, and ensure energy saving, correct and efficient management of home equipment, as well as achieving education on "green" energy saving issues.

The University of Cyprus cordially congratulates all the members of the scientific team.

More information on the awarding of the Energy Globe National Award «Energy Globe Award 2020» here: <https://www.energyglobe.info/national/winner/cyprus>

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