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Smart appliances come to EU Sustainable Energy Week (#SmartAtHome)

CECED/EEBUS/Energy@home Press Release

- Demonstrating how interoperability will work with Smart Appliances
- EEBUS and Energy@home develop open language for interoperability for smart home appliances that will help deliver consumer energy management solutions
- Live demonstration at CECED, the European Committee of Domestic Equipment Manufacturers

Smart, Internet-enabled appliances are entering our homes, moving our lives towards ever-greater connectivity. But how can we ensure that this increased connectivity does not also increase the complexity of home appliances for users who seek simple solutions? During European Sustainable Energy Week 2017, EEBUS, Energy@home and several leading European Manufacturers of home appliances demonstrate the answer: home appliances that speak the same language, and communicate with energy managers, Smart Home Systems and with each other in an integrated home ecosystem, providing the benefits of smart energy management for consumers.

EEBUS and Energy@home are two leading, non-profit associations that promote energy efficient technologies for the Smart Home and Internet of Things (IoT). During the European Utility Week in 2014, they announced their intention to cooperate on the creation of a common, open language to enable interoperability of Smart Appliances with a specific focus on energy management solutions.

The successful outcome of this cooperation will be presented during a live demonstration at European Sustainable Energy Week 2017, which takes place in Brussels, from 19th - 25th June.

The demonstration will feature several home appliances, from different manufacturers, interacting with a home energy manager. It will show a practical application of different home energy management scenarios and smart grid interactions. The interactions between the appliances and the energy manager are enabled through a neutral language called SPINE (Smart Premises Interoperable Neutral-message Exchange) (1) . SPINE was developed by EEBUS and Energy@home for device communication. It is based on and included in the improved Smart Appliances REference ontology (SAREF), that was developed for the interoperability of smart appliances and sponsored by the European Commission. The demonstration paves the way for an increased convergence of communication standards in the energy sector and home automation, and is an important step towards dissolving the traditional way of thinking in separated sectors, for example: home appliances on one side and electric vehicles on the other".

“This demonstration is an exciting step in the journey towards the truly connected home,” says Marco Signa, Energy@home Director. “Too often in recent history, we have seen that the adoption of important and useful technologies slowed down because of a fragmented approach towards the development of standards, while the commitment by an industry to set out on a common path, can actually help change the world. The demonstration is a vital step forward towards the homes of the future, where technology works seamlessly, making the complexity of our modern lives easier, and helping us live in a more environmentally sensitive way.”

Josef Baumeister, EEBUS Director, adds: “This new language works with different communication protocols and aims to ensure that connected appliances from different brands are able to consistently communicate with a home energy manager, as well as with each other. When all connected devices in the home can exchange information in this fashion, it will be possible for the system to manage and optimise energy use – for example by taking advantage of the best energy tariffs or peak times in renewable energy generation. This will become increasingly important with the evolution of smart energy grids and increased uptake of self-generation through technologies such as photovoltaic solar panels.”

Paolo Falcioni, Director-General of the European Committee of Domestic Appliance Manufacturers (CECED), said, “Smart Appliances will be the next big wave of innovation for our sector. In fact, it’s already started. The way Smart Appliances communicate, not just with the user, but also with each other, will prove crucial for the smart home revolution. Thanks to the work done by EEBUS and Energy@home, the home appliance industry in Europe can now send a powerful signal that we are willing and able to lead this revolution with new and workable solutions that are open and effective for many types of appliances and technologies, going even beyond the home appliance sector. The industry is leading the development of answers to the key interoperability questions that are currently on the EU table.”

During EU Sustainable Energy Week, live demonstrations of the new technology will be hosted at CECED (on 22nd and 23rd June). If you are interested in seeing a live demo, please register here: <https://www.123contactform.com/form-2744738/>

The demonstration will remain at CECED's premises until the European Utility Week in October 2017.

[#SmartAtHome](#)

[#EUSEW17](#)

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(1) SPINE is integrated into the European Smart Appliance standard prEN50631, a further important achievement and a key stepping stone for the vision of the two associations to advance to a standardised solution driven by industry. The SPINE application is available for download in the current version at eebus.org and www.energy@home.it.

About CECED

CECED represents the home appliance industry in Europe. Direct Members are Arçelik, Ariston Thermo Group, BSH Hausgeräte GmbH, Candy Group, Daikin, De'Longhi, Dyson, AB Electrolux, Gorenje, Groupe Atlantic, LG Electronics, Liebherr Hausgeräte, Miele & Cie. KG, Panasonic, Philips, Samsung, Groupe SEB, Vestel, Vorwerk and Whirlpool. CECED's member Associations cover the following countries: Austria, Baltic countries, Belgium, Bulgaria, Czech Republic, Denmark, France, Germany, Greece, Hungary, Italy, the Netherlands, Norway, Poland, Portugal, Romania, Russia, Slovakia, Spain, Sweden, Switzerland, Turkey and the United Kingdom. To learn more, visit www.ceced.eu

About EEBUS

The EEBUS Initiative is a non-profit organisation with over 65 members who are the leading stakeholders in all fields of connected home, electrical mobility, energy and smart appliances. Members of the EEBus Initiative collaborate in various Working Groups to establish a standardized and common language for the interoperability of connected devices. Smart Heatings, electrical vehicles, photovoltaic systems, smart home systems, energy managers and other appliances can thus communicate seamlessly about energy management and usability. To learn more, visit www.eebus.org

About Energy@home

Energy@home is a no-profit association that, for the benefit of the environment, aims at developing & promoting technologies and services for energy efficiency in the home based upon device to device communication and on the interoperability and collaboration of the appliances within the household. Energy@home envisages an holistic approach where the house is an ecosystem of connected and interacting appliances and sub-systems that coordinate themselves in

order to optimize energy consumption, increase energy efficiency, and create new benefits for end customers. To learn more, visit www.energy-home.it
