





EU-SysFlex, which is developing system and flexibility services for a grid with a high penetration of renewables, has a new website, flyer and newsletter. Launched in November 2017 in Dublin, EU-SysFlex has been presented in the European Parliament, at SET Plan 2017, Fole Industrie 2018 and the Horizon2020 Energy info day. The crossborder data exchange platform launched in June 2018 by the Estonian energy company Elering and Lithuania's ESO is a demo within EU-SysFlex. The specific parameters of its seven demonstration projects will be finalised by the end of the year. In November 2018, the project will hold its next General Assembly and Advisory Board meetings.



As part of the PROMOTioN project, DNV GL has completed the installation of the 320kV high-voltage direct current gas insulated switchgear (GIS) prototype at its KEMA High Voltage DC Laboratory in Arnhem, Netherlands. Long-term testing will begin later this year with the aim of independently verifying and demonstrating that the technology is ready for real-world application and can achieve cost savings in future offshore HVDC converter stations and switchyards. According to DNV GL, the coordinator of the PROMOTioN project, this is the first time that such equipment will be tested in an independent commercial laboratory.

InterFlex is a DSO-coordinated demonstration project which aims to optimize the distribution grid and to evaluate emerging business models based on the use of local flexibilities. The project's 6 real-scale demonstrations are today up and running testing a wide range of distributed solutions: storage management, demand response, electric vehicle charging, grid automation, cross-energy interactions (gas/electricity/heat), etc. Click here to watch InterFlex video.



By the end of 2019, the **20 partners** will assess the viability of the demonstrated solutions and local flexibility mechanisms, especially by focusing on replicability and the identification of relevant business models.

Be part of the InterFlex community by subscribing to our Newsletter here





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Newsletter 6: October 2018

The FLEXITRANSTORE project analysed flexibility opportunities and barriers and presented a webinar - hosted by Leonardo Energy - which was attended by more than 150 people.

The presentation explained that TSOs are encouraging smaller participants in wholesale markets; there are joint initiatives taking place between TSO's and DSO's; and there are examples of market-based changes. However, commercial, regulatory and market barriers still exist, changes are not uniform across the EU, and a different mix of outcomes are likely in each member state.

The project will report on commercial opportunities in 2019.

http://www.leonardo-energy.org/resources/1453/towards-a-flexible-european-electricity-system-businessmode-5b21300ecba0d



Vienna, 8 November



The **H2020 project PEAKapp** has developed a smart phone app for enabling households to purchase green and low-priced electricity directly from the spot market in times of high production from sun and wind generators. The PEAKapp also provides household energy efficiency and customer-service focused functionalities that improve engagement. A field test of the app was performed over the past year with over 2,500 participating households from Austria, Estonia, Latvia and Sweden. The project will present the app, and the results of the field tests during the European Utility Week in Vienna, Austria, on 8th November.

Please register under: www.peakapp.eu/event/peakapp-accelerating-green-ict-innovation-to-european-utility-markets

The BestRES Consortium is happy to announce the workshop "Aggregators as enablers of prosumers participation in the energy market" to be held in Vienna, Austria, on 6th November 2018, on the occasion of the European Utility Week.

The results of the implementation, under real-life conditions, of the BestRES business models for RES aggregation will be made, for the first time, public available during the workshop in Vienna. We would be happy if you could take part to this workshop and share this information to your network of contacts.

The registration is free of charge but mandatory. Once registered to the workshop you will receive a pass, free of charge, to enter to the European Utility Week.

The draft agenda and registration form are available at the link: bestres.eu/events/bestres-workshop-eu-utility-week

Draft Agenda

Vienna, 6 November



The SmartNet project is now in its third year. Despite the challenges, the project team succeeded in setting up the complex simulation environment and in creating three detailed national T&D scenarios at 2030 for Italy, Denmark and Spain. **The** three technological pilots are now operative. We started the regulatory analysis and are in the process of comparing our project results with the present regulatory trends

Recently, SmartNet participated in the CIGRE Session 2018 in Paris with three

Project results will be debated with the European stakeholders in a three-days workshop in Florence on 24-26 October (smartnet-project.eu/news/smartnetworkshop-series-in-florence). Registration is open!

Florence, 24-26 October







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GOFLEX successfully tested its award-winning Flex-Offer procedure. Flex-Offers will revolutionize the flexibility market. They provide a simple procedure for all customers, generators and storage owners to offer their flexibility to the market depending on their individual preferences and needs. Smaller Flex-Offers can be combined by aggregators and disaggregated when they are needed in specific grid areas.

The Flex-Offer Agent (FOA) connects the internal Energy Management System or individual devices directly with the flexibility markets

GOFLEX has successfully tested the Flex-Offer Agent (FOA) procedure and will now demonstrate it in its 3 trial sites in Cyprus, Switzerland and Germany

The concept was presented by the University of Aalborg at the 8th ACM e-energy conference in Hong Kong and won the BEST PAPER AWARD. For more information go to www.goflex-project





The SOGNO consortium met at the end of September in Kilkenny to coordinate and advance the joint work. Being one of the youngest members of the H2020 projects family, SOGNO is using ICT based on the upcoming 5G mobile communication standard to implement next generation data-driven monitoring and control systems for electrical grid management. The project will provide turnkey cloud services for DSO's including state estimation, power control, load & generation forecasting, power quality evaluation and FLISR (Fault Location, Isolation & Service Restoration).

The consortium comprises 13 partners from 7 European countries and is testing the services in 5 trial sites in Estonia, Germany, Ireland and

For more information go to www.sogno-energy.eu





SOGNO project meeting in Kilkenny, Ireland

RESERVE

One of the goals of **RESERVE** is to pave the way for new ancillary services with harmonised network codes which are needed to safely operate **RES-based** energy systems. As a result of preliminary consultations with relevant stakeholders, a short list of the most important Network Codes to be revised and adapted has been drafted. The proposal for a new NC dedicated to the storage has been made, collecting very positive feedback from the groups of interest. Higher priority has been assigned to the following five NCs: 1) New generation of RES inverters; 2,3) New Frequency and Voltage control concepts; 4) System swing dynamics and 5) Requirements of minimum system inertia.



Key principles when drafting NCs Efficiency of the investments and costs Harmonization among the power sector members Transparency and predictability Priority

Continuity



TOP 5 priorities

New generation of RES inverters New frequency control concept

System swing dynamics

Requirements of minimum system inertia New voltage control concept









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