Webinar: A DSO Standard Interface to Facilitate Flexibility throughout Europe

11 January 2023

The InterConnect project aims at connecting smart homes and buildings with smart electricity grids. A DSO Standard Interface should thereby facilitate the interaction with market platforms. The project defines a reference architecture and interoperability guidelines to ensure neutral, transparent, and secure data access to all market players.

One of many challenges of integrating demand side flexibility is to account for legacy systems in grid operation and allow for the replication throughout Europe. On top of this, an interface should, for instance, enable timeframe and geographical needs of DSOs to procure flexibility bids.

This workshop will present the design of the DSO Interface, as proposed by InterConnect, discuss related solution by the projects OneNet, BD4NRG, and EUniversal and look for input to make recommendations for a European-wide adoption. The latter will be presented in a position paper following this online webinar.

Agenda January 11th

14:00	Welcome	Sebastian Vogel, E.DSO
14:05	**The InterConnect Project**	
	Practical Semantical Interoperability Implementation	David Rua, Project Coordinator
	The Semantic Interoperability Framework	Fábio Coelho, INESC TEC
	The DSO Standard Interface	Carlos Silva, E-REDES
	Guidelines for FSPs	Peter Nemcek, CyberGrid
15:00	**Project Pitches**	
	OneNet	Padraic McKeever, Project Manager
	BD4NRG	Massimo Bertoncini, Project Coordinator
	EUniversal	Carlos Pedro Marques, Project Coordinator
15:30	**Guided Discussion and Open Floor**	
15:55	Conclusion	Sebastian Vogel, E.DSO

Contact: Sebastian Vogel, sebastian.vogel@edsoforsmartgrids.eu
Registration: Eventbrite - A DSO Interface to Facilitate Flexibility Throughout Europe

More about the projects:

OneNet aims at creating a fully replicable and scalable architecture that enables the whole European electrical system to operate as a single system in which a variety of markets allows the universal participation of stakeholders regardless of their physical location – at every level from small consumer to large producers. The project is developing the conditions for a new generation of grid services able to fully exploit demand response, storage and distributed generation while creating fair, transparent and open conditions for the consumer.

Find more here: https://onenet-project.eu/

BD4NRG envisions to confront big data management challenges for the energy sector, giving a competitive edge to the European stakeholders to improve decision making and at the same time to open new market opportunities. BD4NRG will combine DLTs/blockchain technologies with edge processing, Federated Machine Learning and Artificial Intelligence, to operate the data-driven energy ecosystem. Also, the project will make extensive adoption of open sources technology components and tools and Open APIs.

Find more here: https://www.bd4nrg.eu/

EUniversal aims to develop a universal approach on the use of flexibility by DSOs and their interaction with the new flexibility markets, enabled through the development of the concept of the Universal Market Enabling Interface (UMEI) – a unique approach to foster interoperability across Europe. The UMEI represents an innovative, agnostic, adaptable, modular, and evolutionary approach that will be the basis for the development of new innovative services, market solutions and, above all, implementing the real mechanisms for active consumer, prosumer, and energy communities' participation in the energy transition.

Find more here: https://euniversal.eu/