

Webinar: Distribution Grids Fit for Tomorrow – Decision-Making Tools for Resilient Systems.

May 4th at 15:30

The EUniversal project aims at a universal design to using flexibility by Distribution System Operators (DSO) and facilitating their interaction with the new flexibility markets. One of the main outcomes of the project is the development of smart grid solutions for a flexible and resilient distribution system, which are tested with demos in Portugal, Germany, and Poland. The final products and toolkits will enable system operators to improve the efficiency and flexibility of grids, postpone additional infrastructure investments, and reduce possible downtimes of electricity networks.

Rapidly changing climates and extreme weather highlight the need for improved network planning and operation. EUniversal develops decision-making toolkits, including severe event simulators, investment planning tools, and algorithms for dispatching distributed energy resources (DER) to assist DSOs to assess the impact of extreme events in their networks and to define the most adequate reinforcement strategies, including flexibility and new DER-based automation strategies. At this webinar, we will discuss project outcomes with E.DSO members HEDNO, ESO, and E-REDES.

Agenda (from 15:30 until 17:00 CET)

TIME	TITLE	SPEAKER
15:30	Welcome by E.DSO	Ondrej Cerny, E.DSO
15:35	The EUniversal Project	Pedro Marques, Project Coordinator
15:40	EUniversal project: Flexibility towards a more resilient distribution system	Leonel Carvalho, INESC-TEC
15:50	EUniversal project: Risk-based tools for resilient distribution system planning	Mathaios Panteli, Balaji Venkatasubramanian, University of Cyprus
16:10	Flexibility and Resilience Needs: DSO Positioning and Open Discussion	Angeliki Gialketsi (HEDNO), Ernestas Zimkus (ESO), Miguel Louro (E-REDES) Moderator: Koen Vanthournout (Vito)
16:50	Closing remarks	E.DSO



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For more details and questions, please contact Ondrej Cerny at ondrej.cerny@edsoforsmartgrids.eu.

The Panel Speakers

Angeliki Gialketsi, Head of Maintenance Sector, Grid Operations Department, HEDNO

Electrical and Computer Engineer (National Technical University of Athens), with a Master's Degree in Energy Production and Management (NTUA) and a broad experience in the fields of electromechanical studies, electrical grids and energy distribution.

Ernestas Zimkus, Innovation Project Manager, ESO

Ernestas Zimkus works with ESO in Lithuania in senior positions for over nine years. He currently is Innovation Project Manager, responsible for coming up with concepts on how to improve efficiency, sufficiency, and other parameters of distribution grid.

Miguel Louro, Deputy Director for Distribution System Optimization, E-REDES

Miguel Louro supervises three departments at E-REDES in Portugal, where he builds on over 15 years of experience. Currently, he oversees issues including system analysis, forecasting, and network optimization. His personal focus is on power system protection and large incident "post-mortem" analysis.



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