DERLAB WEBINAR "REMOTE TESTING & EIRIE PLATFORM" – POSSIBLE SYNERGIES WITH EDDIE PROJECT

10th of March, Carina Ioana ZIDARU

The representatives of the Romanian Energy Center Association (CRE) participated at a joint Webinar entitled "*Remote Testing & EIRIE Platform*", organized by European Distributed Energy Resources Laboratories (DERLAB) Working Group 4 "Strengthening the Integration of Laboratories & Researcher Exchange" in collaboration with the Horizon 2020 Projects, ERIGRID 2.0 and PANTERA, on Tuesday, 8th of March 2021. During this Webinar, ERIGRID 2.0 partners highlighted the project's infrastructure and presented their experiences using remote lab access. The participants could interact with the Virtual Access of infrastructure with demos of two virtual facilities, organized by ERIGRID 2.0. The representatives of PANTERA Project presented the interactive multi-functional platform EIRIE that will act as the meeting point of all actors active in the field of energy research and innovation from all Europe.

The ***Remote Testing & EIRIE Platform*** **Webinar** underlined the overview of the ERIGRID 2.0 Research Infrastructure for Smart Grids and Smart Energy Systems and introduced the ERIGRID 2.0 Lab Access Services. The experience with the Remote Lab Access Services on the Example VILLAS4ERIGRID, the Virtual Research Services in ERIGRID 2.0 were introduced. Lab Services from RWTH Aachen and the OpenAFPM Services from ICCS-NTUA presented their demo, concluding with the ERIE Platform description and functionalities.

The presentation of the ERIGRID 2.0, ***Research Infrastructure for Smart Grids and Smart Energy Systems*** highlighted the project motivation – planning and operation of the energy infrastructure (large–scale integration of Renewable Sources, controllable loads like battery storage, electric vehicles). Its trends and future directions like the digitalization of energy infrastructure, a deeper involvement of consumers and market interaction, sector coupling for higher flexibility and resilience were part of the discussion as well.

Regarding the ***Integrated Smart Energy Research Infrastructure***, the ERIGRID Project stands for Research and Technology Development in Smart Grids and Smart Energy Systems, for the Digitalisation with Lab Interfacing and Data Exchange for physical and virtual access, and it develops simulation, co-simulation, ICT and Automation and Controls for Power and Energy Systems. The **ERIGRID 2.0** Project provides engineers in power system testing, smart grids and energy systems free funding to access the best laboratories of Europe and perform their experimental research. Access to physical labs can be on-site or remote, depending on the conditions of specific laboratories.

As CRE is constantly interested in topics like Education and Training for energy professionals, including its Members, the outcomes of ERIGRID 2.0 project, like physical and remote workshops, tutorials and training schools, open access laboratory education and provision of e-learning tools and open access resources are relevant for the association activity.

PANTERA Project has been working on developing an interactive multi-functional platform called EIRIE Platform that will build trustful cooperation with stakeholders, acting as the meeting point of all actors active in the field of energy research & innovation from all Europe. The EIRIE Platform encourages synergies with **EDDIE** and **ASSET** Projects with the objective to enhancing future skills of professionals, technicians, trainees needed in the Smart Grid area. Moreover, the EIRIE Platform supports the sustainability of the EDDIE and **ASSET** methodology.

CRE Association is a partner in ***EDDIE Project - EDucation for DIgitization of Energy***, funded by the European Commission through the ERASMUS+ Program. **EDDIE** has the main objective to develop a long-driven Blueprint for the Digitalization of the European Energy Sector to enable the matching between the current and future demand of skills necessary for the digitalization of the Energy sector.

Moreover, the CRE Association is an active and strategic partner together with its Members and other potential members in international consortia for deploying energy projects funded by the EC, such as: **CROSSBOW, PHOENIX, TRINITY**, **EDDIE**, **EDGEFLEX, SUCCESS**, **RESERVE**, **NRG5**, **WISEGRID**, **SOGNO** and **CYBERSEAS**.

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