

# Boosting the R&I activity on Smart Grid Technologies

Strengthen of regional activity in R&I facilitated by the European EIRIE platform

21 November 2022 – 14:00 to 17:00 CET

Budapest, Hungary

## Workshop report

The PANTERA project participated in the CANDO EPE IEEE conference<sup>1</sup> that has been held in Budapest (Hungary) on Monday 21<sup>st</sup> and Tuesday 22<sup>nd</sup> November by giving a keynote speech in the plenary session and through the organisation of a parallel session.

## Keynote

Venizelos Efthymiou (PANTERA project coordinator) gave a keynote speech in the plenary session of the conference presenting both the PANTERA approach in supporting the strengthening of R&I activities, especially in the countries less involved into R&I activities in the Smart Grids domain at EU level (among which Hungary), and the EIRIE platform<sup>2</sup>. More in details he highlighted the EIRIE's vision to become a reference operational point to unify European activity, incentivise further investments in smart grids and support access to exploitable results that can spark further cooperation and bridge existing gaps.

**2022. 11.21. MONDAY**

**Location: Tavaszmező u. 17. I. 122.**

**Registration: 8:00 – 9:00**

**Opening: 9:00 – 9:20**

**Prof. László Gulácsi, vice rector**  
**György Molnár, dean, general chair**  
**Zsolt Temesvári, general cochair**

## Plenary Session:

**9.20 – 9.40 Péter Baranyi:** TP model transformation in control design

**9.40 – 10.00 Venizelos Efthymiou, Mattia Cabiati and Andrei Morch:** Boosting the R&I activity on Smart Grid Technologies. The needs springing from the Green Deal in achieving Energy Transition

**10.00 – 10.20 Chris Ashe:** Improved Energy Planning through the Integration of Smart Grid Concepts in the Danube Region

**10.20 – 10.40 Zoltán Balogh:** Using commonly available IoT devices to support and facilitate the learning process



<sup>1</sup> <http://conf.uni-obuda.hu/Kando2022/>

<sup>2</sup> <https://ses.jrc.ec.europa.eu/eirie/en>

## PANTERA afternoon session

During the dedicated PANTERA session organised in the afternoon of Monday 21<sup>st</sup> the project (Mattia Cabiati, RSE) presented more in details to local stakeholders the EIRIE platform and discussed with them relevant R&I topics.

The presentation was followed by a Roundtable session moderated by Dr Venizelos Efthymiou (FOSS) and Andrei Morch (SINTEF) with two representatives from Hungary:

- Dr. Norbert Boross, Honorary associate professor, former Director Regulatory Issues and Corporate Communication at ELMŰ-ÉMÁSZ
- András Herczeg, Lead Strategy Expert at MVM Émász

More in details, the session gave the possibility to discuss with local stakeholders about the main barriers limiting a higher deployment of renewable energy sources and the following key messages aimed to foster the Hungarian clean energy transition have been pointed out by workshop participants to be put forward at European level.



Several concerns of a technical nature were raised by Dr. György Morva. It has been highlighted that widening the current deviation limit for the full activation of primary reserves from 200 mHz (as it is today) to 1 Hz would facilitate the management of PV plants thus fostering their deployment. Moreover, PV installation should also be facilitated by relaxing the time period for imbalance settlement period from the required 15 min to 1 hour.

Besides it has also been discussed that the most relevant decisions and decisions about energy strategy should be taken at European level considering and harmonising all the needs of all the member countries.



Afterwards it has also been discussed the role of energy communities in supporting the energy transition. Presently different energy communities have been implemented in Hungary as pilot projects. These should find and suggest how to update the regulatory framework to really allow the

massive uptake of energy communities and the installation of local renewable energy sources.

Finally, the round table highlighted the importance of the regulatory framework in supporting clean energy innovation and the deployment of innovative solutions. In addition, it has been highlighted that to change the regulation the regulatory authority needs evidence that new approaches are effective and increase the overall welfare. To this effect projects and regulatory sandboxes are valuable instruments.

The PANTERA project will be in contact with Hungarian stakeholder in order foster the energy transition acceleration and support them in enhancing their involvement in EU level projects and related initiatives.