

THE ROMANIAN ENERGY CENTER ASSOCIATION PARTICIPATED AT TRINITY SECOND REVIEW MEETING

17th of August 2022, Carina Ioana ZIDARU

The representatives of the Romanian Energy Center Association (CRE) participated and actively contributed at the Second Review Meeting within "TRINITY" Project – *"Transmission System Enhancement of Regional Borders by Means of Intelligent Market Technology"*, on Thursday, 23rd of June 2022, in Brussels. TRINITY is funded by the European Commission (EC), through the Horizon 2020 Program. The project facilitates the interconnection of South-Eastern electricity markets within the broader purpose of Multi Regional Coupling area (MRC), by cross-border trading and balancing energy exchange, also allowing a higher penetration of Renewable Energy Sources (RES). The Project Consortia is led by ETRA Group Investigación Y Desarrollo SA from Spain - a large business group dedicated to putting at the service of society the most advanced technologies in the areas of mobility, traffic and transport network, lighting, energy, security and communication.

The Agenda of the [TRINITY](#) Second Review Meeting highlighted several presentations regarding the current status of the project. Moreover, the TRINITY work plan, deliverables, and milestones were evaluated against objectives by the European Commission during the 2nd Review Meeting, in Brussels. During the Second Review Meeting, the product leaders showed their current status as well as video demonstrations and their future exploitation plans. The Agenda also underlined the Project Overview and Previous Review Outputs; the active Work Packages (WP) – WP3: TRINITY SEE Cross-Border Market Coupling Framework; WP4: Power System Security and Reliability SENTINEL Toolset; WP5: RES and Flexibility Regional Control Centre; WP6: Common IT Platform for RCCs-TSOs-RES Communication and Coordination; WP7: Deployment and Demonstration; and WP9: Dissemination, Communication, Exploitation and Cooperation Activities. Moreover, during the meeting discussions was provided the feedback from the representatives of the European Commission.

During this valuable meeting, were presented the activities within the Work Package 4 entitled – "Power System Security and Reliability SENTINEL toolset" where CRE has significant and important contributions, such as the complete development of the SW application for the "Improved accuracy of regulating order within the Automatic Frequency Regulation Process (aFRP)" tool. The main objective of the WP4 is looking for the product called T-SENTINEL with the focus on - Remedial Actions Optimization (RAO), Redispatching Cost Sharing (RCS), Reliability Margin Assessment (RMA), Emergency and Restoration (E&R) and Regional Adequacy Assessment (RAA) modules. Moreover, CRE also contributed to the Deliverable D4.4 - T-SENTINEL TOOLSET (version 2). A complete algorithm of Balancing Energy Market Optimizer submodule for the Market Participation module within T-RES CONTROL CENTRE development was highlighted in the Deliverable D5.4 - T-RES CONTROL CENTRE (version 2). CRE Association was involved in the Deliverable D7.1 - Deployment and Evaluation Plan and completed the planning of activities under Work Package 7 for testing, deployment and demonstration of the developed tool.

TRINITY Project will develop a set of innovative solutions to strengthen cooperation and coordination between TSOs from South-Eastern Europe (SEE) in order to support the integration of electricity markets in the region, while promoting wider penetration of Renewable Energies. This strategic objective will be determined by the end users and will be achieved through the implementation in the SEE region of four independent and complementary TRINITY products: T-Market Coupling Framework, T-Sentinel Toolset, T-RES Control Center and T-Coordination Platform.

[CRE](#) Association is a consortium member in this project, together with 19 partners from ten European countries including - Romania, France, Hungary, Croatia, Bulgaria, Serbia, Montenegro, North Macedonia, Bosnia and Herzegovina, Greece, including Transmission System Operators (TSOs), Energy Market Operators (EMOs), and Research Companies and Universities. [TRINITY](#) is a four-year project starting in October 2019, with a duration of four years and a budget about 13 million Euro.

CRE already implemented five European H2020 Projects: [SUCCESS](#), [RESERVE](#), [NRG5](#), [WISEGRID](#), [SOGNO](#), and is currently implementing other six projects: [CROSSBOW](#), [PHOENIX](#), [TRINITY](#), [EDDIE](#), [EDGEFLEX](#), and [CYBERSEAS](#).

CRE Association is an active and strategic partner together with its members and other potential members of the International Consortium for the implementation of multiple Energy Projects funded by the EC.