

TRINITY PROJECT – THE ROMANIAN ENERGY CENTER ASSOCIATION PARTICIPATED AT THE FIRST REVIEW MEETING

7th of July 2021, Catalin CHIMIREL

The representatives of the Romanian Energy Center (CRE) Association participated at the *"First Review Meeting"* within the European Project *"TRINITY" – "Transmission System Enhancement of Regional Borders by Means of Intelligent Market Technology"*, on Wednesday, 9th of June 2021. TRINITY Project 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).

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. The Project Consortia is led by ETRA Group Investigation 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. TRINITY is a four-year project starting in October 2019, with a duration of four years and a budget about 13 million Euros.

The representatives of CRE Association participated on Wednesday, 9th of June 2021 at *TRINITY First Review Meeting* and the discussion highlighted the overview of TRINITY Project in order to have a better understanding of its direction, the current state and the outcome of the project work. The First Review Meeting was organized in the Online Environment, and was attended by the European Commission Project Officer Mariana STANTCHEVA together with Tomasz SIEWIERSKI, as Project Monitor Specialist. During the presentations, the discussion focused on the analysis of the ongoing activity of TRINITY Project. Moreover, the Review Meeting highlighted the status of the products deployment and testing. The discussion emphasized with the presentation of the current state in those active Work Packages (WP).

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.

During this valuable meeting, were presented the activities within the Work Package 2 entitled – "Project Foundations", where CRE has significant contributions, as leader of Deliverable D2.2. Boundary conditions report in the frame of Task 2.4 entitled: "Boundary conditions analysis in terms of SEE electricity markets, regulatory and social aspects". The report presented by CRE examines the current state and perspectives of Regulatory Framework, Balancing and Intraday Markets, RES Promotion and Social Impact in SEE. The main conclusion of this report considers that the implementation and full use of the TRINITY Tools require a certain level of harmonization of the electricity and balancing markets. It is crucial that all involved countries commit to the same defined standard products and timeframes to allow an extended coupling. Such coupling will eliminate the main barriers from all market segments that are related to competition.

Moreover, CRE highlighted the activities within the WP4 entitled – "Power System Security and Reliability SENTINEL toolset", where CRE has significant contributions, as tool developer for Automatic Frequency Regulation Process (AFRP) improvement. 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.

Together with the consortium partners, CRE contributes to the development of three major products and also coordinates the activity related to the Impact Assessment and Replicability to evaluate the impact of TRINITY Project and the pilot projects carried out within the project.

CRE already implemented five European H2020 Projects: SUCCESS, RESERVE, NRG5, WISEGRID and SOGNO, is currently implementing other five projects: CROSSBOW, PHOENIX, TRINITY, EDDIE and EDGEFLEX, and will start CYBERSEAS in October this year.

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.

