

ROMANIAN ENERGY CENTER PARTICIPATED AT TRINITY PLENARY MEETING

24th of March 2021, Catalin CHIMIREL

The representatives of the Romanian Energy Center (CRE) Association participated on Wednesday, 10th of March 2021, at the *Plenary Meeting* within the European Project - “TRINITY” - „Transmission System Enhancement of Regional Borders by Means of Intelligent Market Technology”. 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 direct partner 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 and other Transmission System Operators (TSOs) and Energy Market Operators (EMOs). 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. **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, 10th of March 2021 at **TRINITY Plenary Meeting** and the discussion highlighted the overview of TRINITY Project in order to have a better understanding of its direction, the current status and the outcome of the project work. Also, the meeting focused on the status of the products deployment and testing. The discussion emphasized with the presentation of the current state in those active Work Packages (WP) and the progress made in the development of deliverables that have a deadline by the end of March 2021.

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.

In this regard, were presented the activities within the WP4 entitled – “**Power System Security and Reliability SENTINEL toolset**”, where CRE has significant contributions, especially for the new developed tool 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) and Regional Adequacy Assessment (RAA) modules. The goal of **T-SENTINEL** is to develop a novel methodology and deliver a multi-modular toolset which will enhance the SEE TSOs and Regional Security Coordinator (RSC) business processes related to power system operational security improvement.

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 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**.

