

REPRESENTATIVES OF TRINITY PROJECT PARTICIPATED AT EUROPEAN UNION SUSTAINABLE ENERGY WEEK 2021

19th of November 2021, Carina Ioana ZIDARU

The representatives of the European Project "TRINITY" – "Transmission System Enhancement of Regional Borders by Means of Intelligent Market Technology", participated and actively contributed at EUROPEAN UNION (EU) SUSTAINABLE ENERGY WEEK 2021, within the Energy Talk Session, on Tuesday, 26th of October 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). 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.

The EU Sustainable Energy Week (EUSEW) took place on 25th-29th of October 2021 under the theme: "Towards 2030: Reshaping the European Energy System". The event comprised a three day digital Policy Conference, the EUSEW Awards, the second European Youth Energy Day, as well as virtual stands and other networking activities. Participants also had access to online side events and Sustainable Energy Days, digital events taking place all over Europe. EUSEW 2021 gathered thousands of participants from almost a hundred countries, including researchers, entrepreneurs, policymakers, campaigners and clean energy enthusiasts, in a dedicated virtual platform.

TRINITY Project together with EU Funded **CROSSBOW** Project cochair the talk session entitled "[Incorporating high penetration of Renewable Energy Sources into the power grid thanks to EU-funded innovations](#)", on 26th of October 2021. The representative Speaker from the perspective of the H2020 TRINITY and CROSSBOW Projects was Mr. Alvaro NOFUENTES – Project Manager, ETRA, which presented the overview of the two projects in order to have a better understanding of their direction. The objectives, mission and vision of the TRINITY and CROSSBOW Project were highlighted during the Talk Session. The successes achieved so far within the two H2020 Projects were underlined during the presentation.

TRINITY Project also participated in the **Energy Fair Session**, at the virtual exhibition as part of the **ETRA I+D's booth**, from 25th-29th of October 2021. The EUSEW virtual Energy Fair took place on the dedicated online platform that hosted the EUSEW Event. The virtual exhibition space displayed all exhibitors, with their own page to present and share content.

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 Euros.

CRE contributes in 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.

The Association is partner also in **CROSSBOW** Project together with TRANSELECTRICA S.A., under the coordination of the Group ETRA, together with eight other Transport and System Operators from Central and South-East Europe and other partners, in a consortium of 24 energy and telecommunications organizations from 13 European countries. The CROSSBOW Project proposes innovative solutions through the shared use of partners' resources to encourage cross-border management of variable renewable energies and storage units, allowing increased penetration of clean energies, while reducing the operational costs of the network and improving the economic benefits of clean energies.

CRE already implemented five European H2020 Projects: **SUCCESS**, **RESERVE**, **NRG5**, **WISEGRID**, **SOGNO**, and is currently implementing other five projects: **CROSSBOW**, **PHOENIX**, **TRINITY**, **EDDIE**, **EDGEFLEX**, and **CYBERSEAS** which started 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.

