

ROMANIAN ENERGY CENTER ASSOCIATION PARTICIPATED AT 2nd ECSCI WORKSHOP WITHIN PHOENIX PROJECT24th of May 2022, Carina Ioana ZIDARU

The representatives of the Romanian Energy Center (CRE) Association participated and contributed at the "2nd ECSCI Workshop on Critical Infrastructure Protection", organized Online, by the ECSCI Cluster, on 27th-29th of April 2022. "PHOENIX" Project – "Electrical Power System's Shield against complex incidents and extensive cyber and privacy attacks" took part of this interesting Workshop and participated at the important discussions, within the Session 3 – "The results of European Union (EU) research on Modern Critical Infrastructure (CI) protection – Part 2".

CRE is a direct partner in **PHOENIX** Project together with its two members **TRANSELECTRICA**, **DELGAZ (RO)**, as well as **TELETRANS**, Transport and Distribution System Operators (TSOs and DSOs). Other Energy Stakeholders from Central and South-East Europe: **ASM TERNI (IT)**, **ELEKTRO LJUBLJANA (CR)**, and **PPC (GR)**, as well as other Industrial and Telecommunications partners from 11 European countries (France, Finland, Germany, Greece, Italy, Luxemburg, Romania, Slovenia, Spain, Norway, and Netherlands) are Partners in **PHOENIX** Project. **PHOENIX** Project is funded by the European Commission (EC) through the Horizon 2020 Program.

The **2nd ECSCI Workshop** highlighted the different approaches on integrated cyber and physical security in different industrial sectors, such as energy, transport, drinking and waste water, health, digital infrastructure, banking and financial market, space and public administration. Critical infrastructure protection in each one of these sectors was addressed by the various ECSCI cluster projects that presented their outcomes, debating the technical, ethical and societal aspects and the underlying technologies.

The Workshop also included keynote speeches, 23 projects presentations, roundtables and panel discussions, and thematic presentations. This Event was dedicated to scientists and experts in the field of critical infrastructure protection, cyber and physical security experts representing different sector and policy makers for critical infrastructure protection.

The **Agenda** focused on several domains such as: mitigation of combined physical and cyber threats; new regulatory challenges; cyber and physical detection; standards, certifications and regulations on the protection of Critical Infrastructures; cybersecurity awareness; cyber-physical security integration and modelling; and dynamic safety and security risk assessment.

The main objective of the **ECSCI Cluster** is to create synergies and foster emerging disruptive solutions to security issues via cross-projects collaboration and innovation. Research activities will focus on how to protect critical infrastructures and services, highlighting the different approaches between the clustered projects and establishing tight and productive connections with closely related and complementary H2020 projects. To promote the activities of the cluster, ECSCI will organize international conferences, and national or international workshops, involving both policy makers, industry and academic, and representatives from the European Commission.

PHOENIX Project took part of this interesting Workshop and participated at the important discussions, within the **Session 3 – "The results of European Union (EU) research on Modern Critical Infrastructure (CI) protection – Part 2"**. Mr. Ganesh SAUBA – DNV highlights key aspects in improving the cyber security of European electricity systems. Additionally, **PHOENIX** Project represented by Mr. Ganesh SAUBA contributed on Friday, 29th of April 2022, in **Session 2 – "Standards and Regulations"** where the Industrial Cybersecurity Testing Methodology on Large Scale Pilots (LSPs) was addressed.

PHOENIX Project officially started in September 2019 and will end in September 2022. The project has a budget of 11 million Euro. The coordinator of the Phoenix Project is Capgemini Technology Systems from France. The main objective of the project is to improve the cybersecurity of the EPES. **PHOENIX** aims to offer a cybershield armour to European EPES infrastructure enabling cooperative detection of large scale, cyber-human security and privacy incidents and attacks, guarantee to minimize cascading effects in infrastructure, the environment, the citizens and the end-users at reasonable cost.

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**.

