

THE ROMANIAN ENERGY CENTER ASSOCIATION CONTRIBUTED AT THE REVIEW MEETING WITHIN PHOENIX PROJECT

12th of July 2021, Paul LACATUS

The representatives of the Romanian Energy Center (CRE) Association participated at the "Review Meeting" within the European Project "PHOENIX" – "Electrical Power System's Shield against complex incidents and extensive cyber and privacy attacks", on Friday, 18th of June 2021. PHOENIX Project is funded by the European Commission (EC) through the Horizon 2020 Program. The main objective of the Review Meeting was to analyse the first 20 months of the project and took place with the European Commission representatives.

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.

The representatives of CRE Association participated on Friday, 18th of June 2021 at PHOENIX Review Meeting. The discussion highlighted the overview of the 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 Project and Technical Management; Privacy Protection Enforcement; Secure and Persistent Communications; Risk Assessment, the European Electrical Power Energy Systems (EPES) Awareness and Enforcement, and Pan-European Distributed Incidents Information Sharing Platform (I2SP).

During this valuable meeting, were presented the activities within the Work Package 7 (WP) entitled – "**PHOENIX Large Scale Pilots (LSP) Validation & Penetration Testing**", where CRE has significant contributions, as coordinator for LSP5. Moreover, CRE presented the Impact Creation, in which was highlighted the current state of the WP8 entitled "**Exploitation and Outreach**", Work Package led by the CRE Association.

The current state of the PHOENIX Project and the outcomes after the first twenty months of the project received positive reaction from the European Commission representatives. Additionally, the main directions for the next stage of project development received positive feedback.

During the Review Meeting, following the presentations supported by all Project Partners, discussions led to several requirements for improving the deliverables and realizing few reports: the representatives of the European Commission requested a report on the status of Innovation in the Technical Packages; standardization activities will be defined in the future directions; opportunities will be sought to increase the interoperability of Phoenix products, together with EC funded parallel projects, in which it is currently establishing a cluster of projects, and it was recommended to detect possibilities to ensure open access to the publications made during the project.

The representatives of the EC appreciated the current state of the Exploitation Section of the WP8 coordinated by CRE and realized few recommendations: until the end of the project, it was recommended to pay more attention to the exploitation of the project. In this regard, after the project implementation, the exploitable components - KEA Key Exploitable Assets, to be able to reach the specific market, as a mature product.

In the final remarks, team of Project Officers (PO), who conducted the analysis, concluded that the current status of the project was successfully accepted and the Project Partners should take into account the recommendations on further development.

PHOENIX Project officially started in September 2019, has a three-year implementation period and 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 cyber security of 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 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.

