

# The Role of Standardization to Fostering the Digitalization of the Electricity Grid

## EUROPEAN STANDARDIZATION EVENT

Wednesday, 3 November 2021, 09.45 – 13.00 CET (10.45 – 14.00 RO)

Hybrid International CONFERENCE

Permanent Representation of Romania to European Union,

107 Avenue de Cortenbergh, B 1000 Brussels

### PROGRAMME

9:10 – 10:00	<b>Welcome Coffee</b>	
9:45 – 10:00	<b>Connection to the Videoconference Platform</b>	
10:00 – 10:05	<b>Welcome and Introduction - Objectives of the Event</b>	<b>Mihai PAUN</b> <i>Director</i> <i>Development and Innovation</i> <i>Romanian Energy Center – CRE</i>
10:05 – 10:15	<b>EU Energy Opportunities for Innovation and Funding Programs</b>	<b>E.S. Luminita ODOBESCU</b> <i>Ambassador Extraordinary and Plenipotentiary</i> <i>Permanent Representative of Romania to EU</i>
10:15 – 10:25	<b>The Role of Innovation for Digitalizing the Power Sector in Europe</b>	<b>Frank HAJDINJAK</b> <i>Vice-President</i> <i>Romanian Energy Center – CRE</i>
<b>Session 1 - Keynote Speeches on the Key Role of Standardization to Fostering the Digitalization of the Electricity Grid</b>		
<i>Moderator:</i>	<b>Ganesh SAUBA</b> – Principal Consultant - Energy & Cybersecurity DNVGL	
10:25 – 10:40	<b>European Standards Role Fostering the Digitalization of the Energy Sector</b>	<b>Elena SANTIAGO</b> <i>Director General</i> <i>CEN-CENELEC</i>
10:40 – 10:50	<b>The Key Role of Romanian National Standardization Body for Bridging Innovation and Standardization</b>	<b>Iuliana CHILEA</b> <i>Director General</i> <i>ASRO</i>
10:50 – 11:00	<b>Questions and Debate</b>	
11:00 – 11:15	<b>Coffee Break</b>	

## Session 2 - CROSS Border Management of Variable Renewable Energies and Storage Units Enabling a Transnational Wholesale Market (CROSSBOW Project)

<i>Moderator:</i>	<b>Cristian COLTEANU</b> – Manager Strategy and International Affairs - CRE	
<b>11:15 – 11:30</b>	<b>CROSS BOrder Management of Variable Renewable Energies and Storage Units Enabling a transnational Wholesale market (CROSSBOW) Project overview</b>	<b>Manuel SERRANO</b> <i>Project Manager &amp; CROSSBOW Coordinator</i> ETRA
<b>11:30 – 11:45</b>	<b>Identification of industrial challenges and standard needs within CROSSBOW framework</b>	<b>Dan PREOTESCU</b> <i>Senior Project Manager</i> CRE
<b>11:45 – 12:00</b>	<b>Impact of standardization on cybersecurity solutions in H2020 PHOENIX Project</b>	<b>Paul LACATUS</b> <i>Project Manager</i> CRE
<b>12:00 – 12:45</b>	<b>Panel Discussion on the Impact of Standardization on Digitalizing the Electricity Sector</b>	
<i>Moderators:</i>	<b>Cristian COLTEANU</b> – Manager Strategy and International Affairs, CRE <b>Dan PREOTESCU</b> – Senior Project Manager, CRE	
<i>Panelists:</i>	<b>Mercedes MIRA COSTA</b> – Project Manager - Energy & Living Unit, CEN-CENELEC <b>Manuel SERRANO</b> – Project Manager, ETRA <b>Mihaela ALBU</b> – Professor, Politehnica University of Bucharest, Department of Electrical Engineering <b>Dragomir RADOYTSEV</b> – Policy Officer, E.DSO for Smart Grids <b>Andreas HERMANN</b> – Committee Manager, Austrian Standards International, ASI <b>Ganesh SAUBA</b> – Director, DNVGL <b>Emiliano MARQUESINI</b> – Senior Advisor, CRE	
<b>12:45 – 13:00</b>	<b>Final Remarks</b> – <b>Mihai PAUN</b> , <i>Director Development and Innovation, CRE</i>	
<b>13:00 – 14:00</b>	<b>Working Lunch</b>	

## Event Information

Representatives of the Romanian Energy Center – CRE, in collaboration with the Romanian National Standardization Body - ASRO are organizing CROSSBOW Standardization Event, in the framework of the EU funded **CROSSBOW** Project – **CROSS BOrder Management of Variable Renewable Energies and Storage Units Enabling a Transnational Wholesale Market** ([Link](#))

With the support of European and National Standardization representatives, the industrial challenges and standards needs for the products developed within the CROSSBOW Project, will be addressed.

Synergy with [PHOENIX](#) H2020 Research and Innovation Project in terms of Standardization is part of the agenda.

### Introduction

The introduction session will create the context for the next sessions of the event by hearing the opinions of European Standardization representatives.

### Objective

The main aim of the online event is to identify industrial challenges and standards needs within CROSSBOW framework and synergies with PHOENIX Project regarding the standardization topic. Identify Synergies with **PHOENIX H2020** Research and Innovation Project in terms of standardization and to allow a better understanding of the landmarks for the mandatory development of new standards based on the results of the two Projects.

High level representatives of CROSSBOW Consortium, European and National Institutions and Experts in the Energy Field, as well as in the Standardization Domain will provide unique and important perspectives.

### Session 1 - Objective

The objective of Session 1 consists in presenting the key role of the Standardization, identify challenges and standards needs in order to Foster the Digitalization of the Electricity Grid.

### Session 2 - Objective

The objective of Session 2 consists in presenting the project, the products developed during its implementation period as well as identifying the industrial challenges and standardization needs for these specific products and the overall framework. The project results will be analyzed from product developers' perspective and standards entities perspective, allowing an information exchange useful for both sides.

### CROSS Border management of variable renewable energies and storage units enabling a transnational Wholesale market (CROSSBOW) – short description

CROSSBOW Project is funded by the European Commission (EC), through the Horizon 2020 Program. CRE is partner in this project together with TRANSELECTRICA S.A., under the coordination of the Group ETRA Investigación Y Desarrollo SA from Spain, together with eight other Transport and System Operators (TSO) from Central and South-East Europe: ADMIE (GR), ESO (BG), EMS (RS), NOS BiH (BA), HOPS (HR), ELES (SI), CGES (ME), MEPSO (MK) and other partners, in a consortium of 24 energy and telecommunications organizations from 13 European countries. The CROSSBOW Project started in November 2017, with a duration of four and a half years, due to the extension of the initial period by six months and has a budget of about 22 million Euros. CROSSBOW is currently one of the most relevant innovation project of the European Union in the Smart Grids sector.

CROSSBOW will have a significant impact on the consortium's commercial and innovation activities. It will contribute at create more than 70,000 jobs in the concerned regions, will facilitate the access to energy services for approximately 57,000,000 citizens and hundreds of companies, and save 3 M tonnes of greenhouse gases (GHGs), and will facilitate a 10% increase in the share of Renewable Energy Sources (RES).

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 and storage units.

**CRE** contributes to the evaluation of the technical and socio-economic impact of CROSSBOW integrated solutions, to the definition of business models and solutions for overcoming local, regional and global barriers, and to the exploitation, business innovation strategy and contribution to standards.

CROSSBOW Products: CROSSBOW Regional Operation Centre Balancing Cockpit (ROC-BC), CROSSBOW RES Regional Coordination Centre (RES-CC), CROSSBOW Hybrid RES Dispatchable Unit (RES-DU), CROSSBOW Regional Storage Coordination Centre (STO-CC), CROSSBOW Virtual Storage Plants (VSP), CROSSBOW WAMAS, CROSSBOW Regional DSM integration platform (DSM-IP), CROSSBOW Wholesale and Ancillary Market toolset (AM) and COOPERATIVE OWNERSHIP OF FLEXIBILITY ASSETS PLATFORM (CFP).

### **Moderators, Speakers, Panelists**

<b>Nr.</b>	<b>Name</b>	<b>Position</b>	<b>Affiliation</b>
1	Luminita ODOBESCU	Ambassador Extraordinary and Plenipotentiary Permanent Representative of Romania to EU	RO PERM REP
2	Virginia ENACHE	Advisor Innovation and Research	RO PERM REP
3	Ioan POGEA	Head of Energy and Telecommunication	RO PERM REP
4	Cristian COLTEANU	Manager Strategy and International Affairs	CRE
5	Frank HAJDINJAK	Vice-President	CRE
6	Mihai PAUN	Director Development and Innovation	CRE
7	Dan PREOTESCU	Project Manager	CRE
8	Paul LACATUS	Project Manager	CRE
9	Emiliano MARQUESINI	Senior Advisor	CRE
10	Ganesh SAUBA	Principal Consultant - Energy & Cybersecurity	DNVGL
11	Elena SANTIAGO	Director General	CEN-CENELEC
12	Iuliana CHILEA	Director General	ASRO
13	Mercedes MIRA COSTA	Project Manager	CEN-CENELEC
14	Manuel SERRANO	Project Manager & CROSSBOW Coordinator	ETRA
15	Mihaela ALBU	Professor	UPB
16	Dragomir RADOYTSEV	Policy Officer	E.DSO
17	Andreas HERMANN	Committee Manager	ASI