

CROSS BOrder management of variable renewable energies and storage units enabling a transnational Wholesale market

Coordinator:

ETRA Investigación y Desarrollo S.A.

SPAIN

Participants:

Centrul Roman al Energiei - CRE.

Compania Nationala de Transport al Energiei Electrice TRANSELECTRICA S.A.

ROMANIA

Institute Of Communications And Computer Systems.

Independent Power Transmission Operator SA.

Hellenic Electricity Distribution Network Operator SA.

Public Power Corporation SA.

GREECE

COBRA Instalaciones Y Servicios S.A.

SPAIN

VARTA Storage Gmbh.

GERMANY

Elektroenergien systemen operator EAD

BULGARIA

J.P. Elektromreza Srbije

Security Coordination Centre SCC Itd. Belgrade.

SERBIA

Nezavisni Operator sistema u BiH.

BOSNIA - HERZEGOVINA

University of Manchester

UNITED KINGDOM

HEP - Operator prijenosnog sustava d.o.o.

KONCAR – inzenjering za energetikui transport dd.

Sveuciliste u Zagrebu fakultet elektrotehnike i racunarstv.

CROATIA

Univerza v Ljubljani.

ELPROS elektronski in programski sistemi doo.

SLOVENIA

Crnogorski Elektroprenosni Sistem.

MONTENEGRO

Operator na elektroprenosniot sistem na Makedonija.

Ss Cyril and Methodius University, Faculty Of Electrical

Engineering And Information Technologies.

AD Elektrani na Makedonija Skopje – Direkcija.

MACEDONIA

CyberGrid Gmbh.

AUSTRIA





ROMANIAN ENERGY CRE CENTER - CRE

ROMANIAN ENERGY CENTER (crossbow



The Romanian Energy Center is a non-governmental and non profit Association representing the interest of state-owned and private companies operating in the Romanian Energy Market, in relation with EU and National Institutions;

Active in all relevant areas including: electricity, oil and gas, coal, renewables, energy equipment and services plus R&D&I, and Legal assistance;

CRE contributes to the European and National decision-making process, promotes infrastructure investments and supports the transition to a decarbonized energy system.

CRE MEMBERS



17 Members: Public and Private Sector

- ADREM INVEST
- BIOENERGY
- CEZ România
- Complexul Energetic Oltenia
- CONPET
- ELECTRICA
- ECRO
- E.ON România
- Electroalfa

- ENERGOBIT
- EXIMPROD
- INSTITUTUL DE STUDII SI PROIECTARI **ENERGETICE**
- ROMGAZ
- TRACTEBEL ENGENEERING GDF SUEZ
- TRANSELECTRICA
- TRANSGAZ
- ŢUCA ZBARCEA & ASSOCIATES































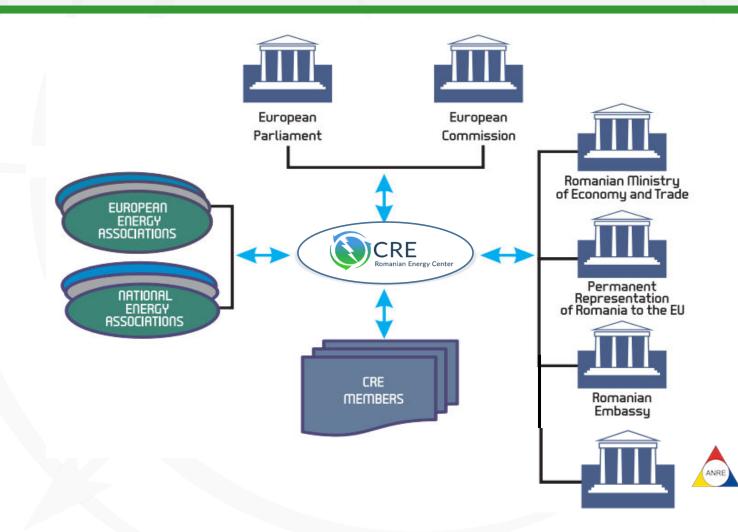






RELATIONSHIPS





AUTORITATEA NAȚIONALĂ DE REGLEMENTARE ÎN DOMENIUL ENERGIEI



MAIN ACTIVITIES





Position papers to Romanian and European Energy Policy consultations



EU Projects





Events in Romania and Brussels



Coordinator of the Center for Dialogue and Cooperation 16+1 – China CEEC



CRE'S POSITION PAPERS





- Position Paper of CRE on the Preparation of the New EC Directive on Renewables after 2020 (Link)
- Position Paper of CRE on the Modification of Energy Efficiency Law (Link)

Moldova



CRE EVENTS ROMANIA ENERGY DAY 2017



"Regional cooperation, a key driver for the Energy Union: Mechanisms and initiatives for the energy industry and policy makers"

6th Romanian ENERGY DAY, Bruxelles, 30-31 May 2017

- OBJECTIVE To Inform the representatives of EU institutions in Bruxelles and to contribute to EU decision making process on energy priorities, projects & programs in Central and South-East Europe & in Romania;
- To Facilitate investments in energy infrastructure, to support Energy Market Integration and to increase energy security in the Region;
- To proactively contribute to the development of HV electricity, oil and gas corridors and to increase interconnection capacity in the Region;
- Extended specialised media coverage → e.g. EURACTIV, Calea Europeana, Energynomics.ro, Brussels–Expert.eu





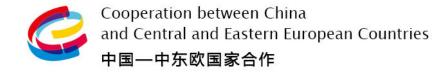








CENTER FOR DIALOGUE AND COOPERATION IN ENERGY (CDCEP) - 16+1



16+1 represents the economic cooperation enhancement format between China and Central and Eastern European Countries

Priority Domains/ Committees	Renewable Energy Sources	Smart Grids	Energy Efficiency	Coal	Nuclear Energy
Investments and Finance	WG	WG	WG	WG	WG
Commercial Cooperation	WG	WG	WG	WG	WG
Research and Development	WG	WG	WG	WG	WG
Legislation and Regulation	WG	WG	WG	WG	WG

16+1 Energy
Conference and Fair
8-10 November
Bucharest



EUROPEAN PROJECTS - IMPLEMENTATION





Renewables in a Stable Electric Grid





Infrastructures

SUCCESS - Securing
Critical Energy





Wide scale demonstration of Integrated Solutions and business models for European smart GRID



Enabling Smart Energy as a Service via 5G Mobile Network advances



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SOGNO - Service
Oriented Grid for the
Network Of the Future



EXPERIENTE ÎMPREUNĂ

CEZ ROMANIA

CRE ROLE IN CROSSBOW



WP	CRE	Total WP	WP	CRE	Total WP
	[pm]	[pm]		[pm]	[pm]
1	4	131	2	4	179
3	6	93	4	4	191
5	6	129	6	0	156
7	0	125	8	12	182
9	6	128	10	0	158
11	6	185	12	6	359
13	10	369	14	14	90
15	10	129	16	14	148
17	1	84	18	8	199
19	14	162	20	-	-

CRE - MAJOR ROLE



- WP 14 Technical evaluation and socio-economic impact assessment [Months: 33-48]
- → Deliverable D14.2: Socio-economic and technical Impact assessment of CROSSBOW integrated solution.
- WP 15 Business models and overcoming local barriers
 - → Deliverable D15.3: Identification and recommendation for local non-technical barriers
- WP 16 Scaling-up and replication: Overcoming regional and global barriers
- → Deliverable D16.2: Identification and recommendation for European technical and interoperability barriers;
 - → Deliverable D16.3: Identification and recommendation for European non-technical barriers;
- WP 19 Exploitation, business innovation strategy and contribution to standards
 - → Deliverable D19.3: CROSSBOW Contribution to standardization

CRE – MAJOR MILESTONES



MS	Title	Month	Content
MS 13	Intermediate Evaluation	42	At the end of the preliminary deployment a first evaluation will be performed.
MS 15	Final Evaluation Report, Replication Roadmap and Recommendations to standards	48	At the end of the project, the CROSSBOW complete evaluation of the impact will be publicly available, and recommendations for the replication and scaling-up of the project solutions will be delivered.



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For more information visit: crossbowproject.eu