ROMANIAN ENERGY CENTER's OBJECTIVES AND ROLE IN Wise-GRID

Wide Scale Demonstration of Integrated Solutions and Business Models for European Smart Grid

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WiseGRID Project

Valencia, Spain 8-9/11/16





CONTENT

- EU Projects with CRE's participation
- The Role of CRE in WiseGRID Project
- WiseGRID WP2.2 The WiseGRID Cloud based Big Data Infrastructure
- Romanian Energy Center (CRE) Objectives & Activities
- Final Remarks



CURRENT INVOLVMENT OF CRE IN EU PROJECTS RE-SERVE, SUCCESS, WiseGRID







Renewables in a Stable Electric Grid SUCCESS - Securing Critical Energy Infrastructures Wide scale demonstration of Integrated Solutions and business models for European smart GRID



The Role of CRE in WiseGRID



- WP1.1 → Smart Grids and energy market regulation, business models and social aspects [7 pm]
- Participant in tasks 1.1.1, 1.1.2, and 1.1.3
- WP1.2 → WiseGRID Use cases, requirements and KPIs definition [4 pm]

Participant in tasks 1.2.1 and 1.2.2

• WP2.2 → WiseGRID Big Data processing [28]

Leader in task 2.2

 WP1.3 → Open, secure and flexible architecture, data privacy and standards [11 pm]

Participant in tasks 1.3.2 and 1.3.3

 WP 6.1 → RESCO services and advanced models for Smartening The Distribution Grid [4 pm]

Participant in tasks 6.1.1, 6.1.2 and 6.1.3

• WP 6.2 → WiseGRID Cockpit [12 pm]

Participant in tasks 6.2.1, 6.2.2 and 6.2.3



The Role of CRE in WiseGRID



• WP 7.1 → Integration and deployment of WiseGRID ecosystem [10 pm]

Participant in tasks 7.1.1, 7.1.3 and 7.1.4

WP 7.2 → Large scale demonstration activities of the integrated WiseGRID ecosystem [12 pm]

Participant in tasks 7.2.1, 7.2.2, 7.2.3 and 7.2.4

- WP 8.1 → Technical evaluation and socio-economic impact assessment [4 pm] Participant in tasks 8.1.1, 8.1.2 subtasks 8.1.2.1, 8.1.2.2 and 8.1.2.3
- WP 8.2 → Business models and overcoming local barriers [4 pm]

Participant in tasks 8.2.1 and 8.2.2

WP 9.1 → Project coordination and IPR management [1pm]

Participant in task 9.1.1

• WP 9.2 → Dissemination, communication and cooperation activities [8pm]

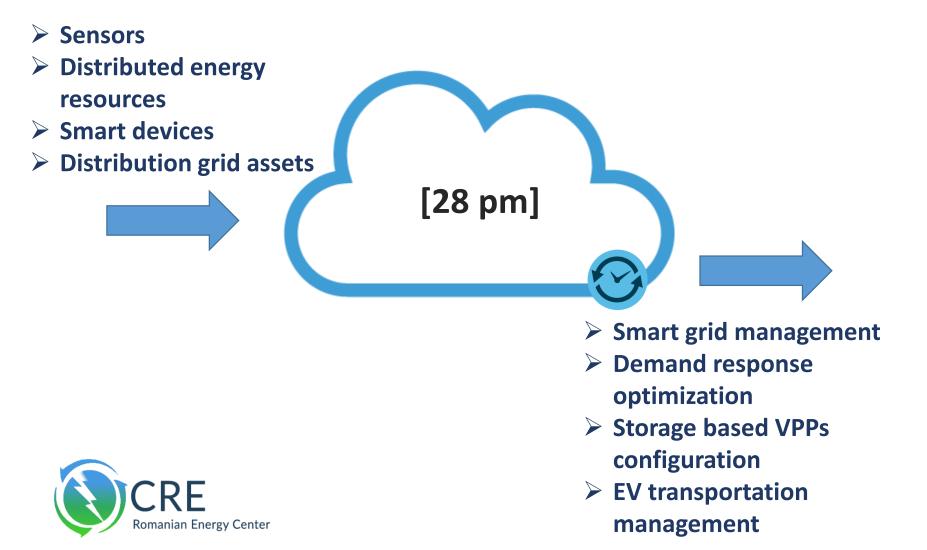
Participant in tasks 9.2.1, 9.2.2 and 9.2.5



TOTAL: 105 pm

RE-SERVE WP2.2

The WiseGRID Cloud based Big Data Infrastructure





CRE Bucuresti

Consolidating the European dimension of the Romanian Power Sector

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CRE Bruxelles

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Romanian Energy Center - CRE

- The Romanian Energy Center is a non-governamental 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 decisionmaking process, promotes infrastructure investments and supports the transition to a decarbonized energy system.



MEMBERS - CRE

16 Members: Public and Private Sector

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

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





Romanian Energy Center - CRE



Events in Romania and Brussels



Position papers to Romanian and European policy consultations



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

ROMANIA ENERGY DAY 2016

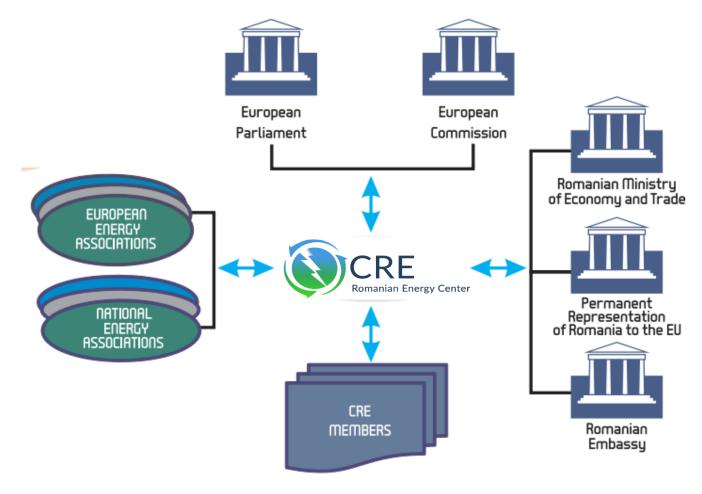
"Regional and European Values for Sustainable Energy in Central and Eastern Europe" 5th Romanian ENERGY DAY, Bruxelles, 25 May 2016

- OBJECTIVE To Inform the representatives of EU institutions in Bruxelles and to contribute to EU decision making process on energy priorities, projects and programs in Central and South-East Europe and 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, Romanian TV.





Romanian Energy Center - CRE





CRE's Position Papers

состоя состоя состоя состоя	Aprobarea Memorandumului de Înțelegere între Guvernui României și Cuvernui Republicii Moldova privind realizarea projeciedor ne ceasera projecterizării rețelelor de gaze naturale și energie interconectării rețelelor de gaze naturale și energie curtreu. Români de Acciji a la sociații curtreu. Români AL ENERGIEI Doument de Poziție a la sociații Curtreu Români AL ENERGIEI			Pozitija Centrului Roman al Energiei Privind PROGRAMUL DE REGLEMENTĂRI ALE ARRE 2016 Document de Poziție al asociației CENTRU. ROMAN AL ENERGEI Document de Poziție al asociației CENTRU. ROMAN AL ENERGEI	Pozitia Centrului Roman al Energiei Referitoare la Proiectu de Lege pentru apobarea Corporativa a Intreprinderilor Publico nr. 109/2011 Dozement de Pozitie al asociației CENTRUL ROMÂN AL ENERGIEI
Romania's National Energy Strategy	MOU Between Romania's Guvernment and Republic of Moldova	Risk Preparedness in the Area of SOS	New Energy Market Design	Regulation Programe of ANRE 2016	Corporate Guvernance – Law 109/2011

- 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)



CENTER FOR DIALOGUE AND COOPERATION IN ENERGY (CDCDE), 16+1



Cooperation between China and Central and Eastern European Countries

中国—中东欧国家合作

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

ROMANIAN ENERGY STRATEGY 2016-2013 with an Outlook towards 2050

• 3 KEY OBJECTIVES:

- energy security
- competitive energy markets
- clean energy

• 6 STRATEGIC OPERATIONAL OBJECTIVES:

- diverse and balanced energy mix
- competitive and regionally integrated energy markets
- lower energy poverty
- decarbonization
- increase energy efficiency
- better governance





THANK YOU!

Mihai PAUN

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