

MEDREG WORKSHOP FOR THE MOROCCAN REGULATOR ANRE, THE  
LEBANESE REGULATOR LCEC AND THE JORDANIAN ENERGY  
REGULATOR EMRC

# **ANALYSE MECHANISMS TO PROMOTE LOW CARBON INNOVATION AND MARKET DESIGN PRINCIPLES TO SUPPORT ENERGY TRANSITION**

**WORKSHOP**



**MEDREG**



Co-funded by the  
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## CONTEXT

Energy transition is taking momentum, mostly thanks to consistent advances in technology, lowering costs, and increased confidence toward RES-based electricity generation. Regulators and System Operators are particularly involved by the rapid pace of this change, which is likely to interest different markets and countries. Energy transition will require that all market actors develop new skills capable to deliver on the ambitious objectives posed by national strategic plans. It has to be considered that electricity demand will grow while decarbonization is pursued.

In Europe alone, electrification of transport, buildings and industry is expected to increase the load of 2.1% per year. Solar photovoltaics, offshore and onshore wind will gradually rise their share, while improvements in storage capabilities and extensive rollouts of charging stations for electric vehicles will support and increase the usage of electric vehicles.

It has to be noted that most of these changes will take place at distribution level, demanding substantial investment to reinforce and update the grid. The regulatory framework will have to deal with the need to devise financial rewards that can prize cost-effective innovations, which can keep energy transition on track. Additionally, energy transition will not be achieved through operators alone. The changing use of the network to allow greater participation by the growing energy community has to be considered. Whether we think of prosumers, aggregators, peer-to-peer traders or providers of flexibility services, regulation should make it economically possible for all these actors to participate in the generation and exchange of energy through adequate incentive mechanisms as well as transparent and competitive regulatory framework.

The EU's Clean Energy Package provides indications and ambitions on RES, efficiency increases and network performance that could be considered also from Southern shore regulators. Regulatory reforms in the Mediterranean area should consider the following key aspects:

- Accompany the evolving role of TSOs and DSOs, to harness the benefits of flexibility by giving them targets, rather than restrictions;
- Encourage forward-looking investments on the grids;
- Support the "smartening" of power networks, reaping the benefits coming from innovation and digitalization;
- Support and protect consumers, avoiding financial inequalities;
- Determine the best risk allocation for emerging technology investments with limited life-spans
- Create a level playing field for all market players, not prioritizing one particular business model, but ensuring that tariffs are designed so all users contribute fairly to network and policy costs

This workshop has the scope to discuss with the regulators of Jordan, Lebanon and Morocco their opportunities to support and sustain the energy transition needs to catch up, by recognizing the acceleration and coincidence of multiple agents of change, incentivizing investments, innovation, and research and development and defining tariffs that enable fair recovery of grid maintenance and investment costs, based on usage by different consumer groups.

# agenda

**THURSDAY, 16 DECEMBER 2021 – 10.00 | 16.30 (CET)**

**10:00-10:15**

## **INTRODUCTORY REMARKS**

**Moderator: Mr. Hasan Ozkoc**

*Director of the MEDREG Secretariat*

**Mr. Pedro Verdelho**

*Chair of the RES WG and Member of the Board of Directors  
Energy Services Regulatory Authority (ERSE)*

**10:15-11:45**

## **1. INTRODUCTION TO ENERGY TRANSITION MEASURES ONGOING IN JORDAN, LEBANON, AND MOROCCO**

*(30' presentation each)*

**Ms. Noura Hajri**

*Head of Department of Analysis and Service Quality Control  
National Electricity Regulatory Authority, Morocco (ANRE)*

**Ms. Amaal Khatatbeh**

*Renewable Energy Engineer  
Energy and Minerals Regulatory Commission, Jordan (EMRC)*

**Ms. Sorina Mortada**

*Technical Consultant  
Lebanese Centre for Energy Conservation (LCEC)*

**11:45-12:00**

## **COFFEE BREAK**

**12:00-12:45**

## **2. HOW TO LINK INCENTIVES WITH INNOVATION IN CAPEX AND OPEX**

*(30' + 15' discussion)*

**MR. JOSE ANTONIO CASTRO**

*Head of the Renewable Energy Solutions Department  
National Commission on Markets and Competition (CNMC)*

**12:45-13:30**      **3. TARIFF DESIGN AND THE ROLE OF CONSUMERS/PROSUMERS**

*(30' + 15' discussion)*

**Mr. Pedro Verdelho**

*Chair of the RES WG and Member of the Board of Directors  
Energy Services Regulatory Authority (ERSE)*

**13:30-14:30**      **LUNCH BREAK**

**14:30-15:15**      **4. THE ROLE OF TSOS TO SUPPORT THE ENERGY TRANSITION**

*(30' + 15' discussion)*

**Mr. Angelo Ferrante**

*Secretary General  
Mediterranean Transmission System Operators (Med-TSO)*

**15:15-16:00**      **5. CREATION AND OPERATION OF GRID-SCALE STORAGE FACILITIES**

*(30' + 15' discussion)*

**Mr. Esnault Benoit**

*Vice-Chair of the ELE and Head of Interconnections and European Affairs  
Department  
Energy Regulation Commission (CRE)*

**16:00-16:30**      **CONCLUSIONS AND LESSONS LEARNED**

**Mr. Pedro Verdelho**

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