



WORKSHOP
**Deploying renewable energy sources and energy
efficiency measures in the Mediterranean:**
State of play and way forward
13 April 2016, Madrid (Spain)

***“the added value of multilateral co-operation:
MEDENER best practices”***

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Summary

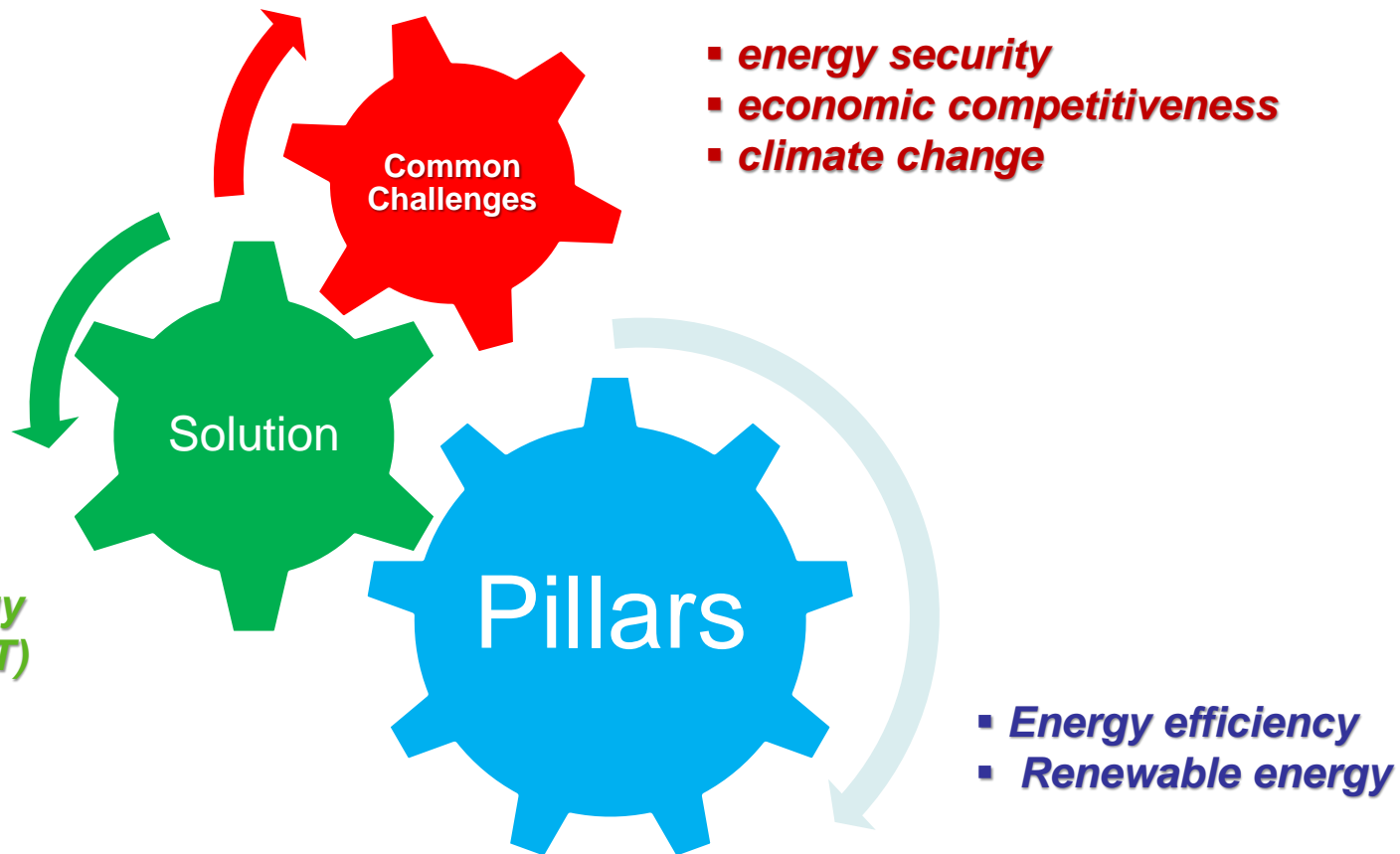
1. Energy transition for the Mediterranean

2. The role of MEDENER

3. MEDENER future actions



Why an energy transition for the Mediterranean?





Geographic coverage

Approach

NORTH

Cyprus
France

Greece

Italy

Malta

Portugal

Slovenia

Spain

Other

Albania

Bosnia H.

Croatia

Macedonia

Montenegro

Serbia

- **Working group: OME / MEDENER**
- **Data sources: OME members/ MEDENER, national and international**
- **MEM model**
- **Base year: 2013**
- **Projection: 2020, 2030 and 2040**
- **Scenarios: 1. socio-economic scenario
2. energy scenarios**

SOUTH EAST

Israel

Jordan

Lebanon

Palestine

Syria

Turkey

SOUTH WEST

Algeria

Egypt

Libya

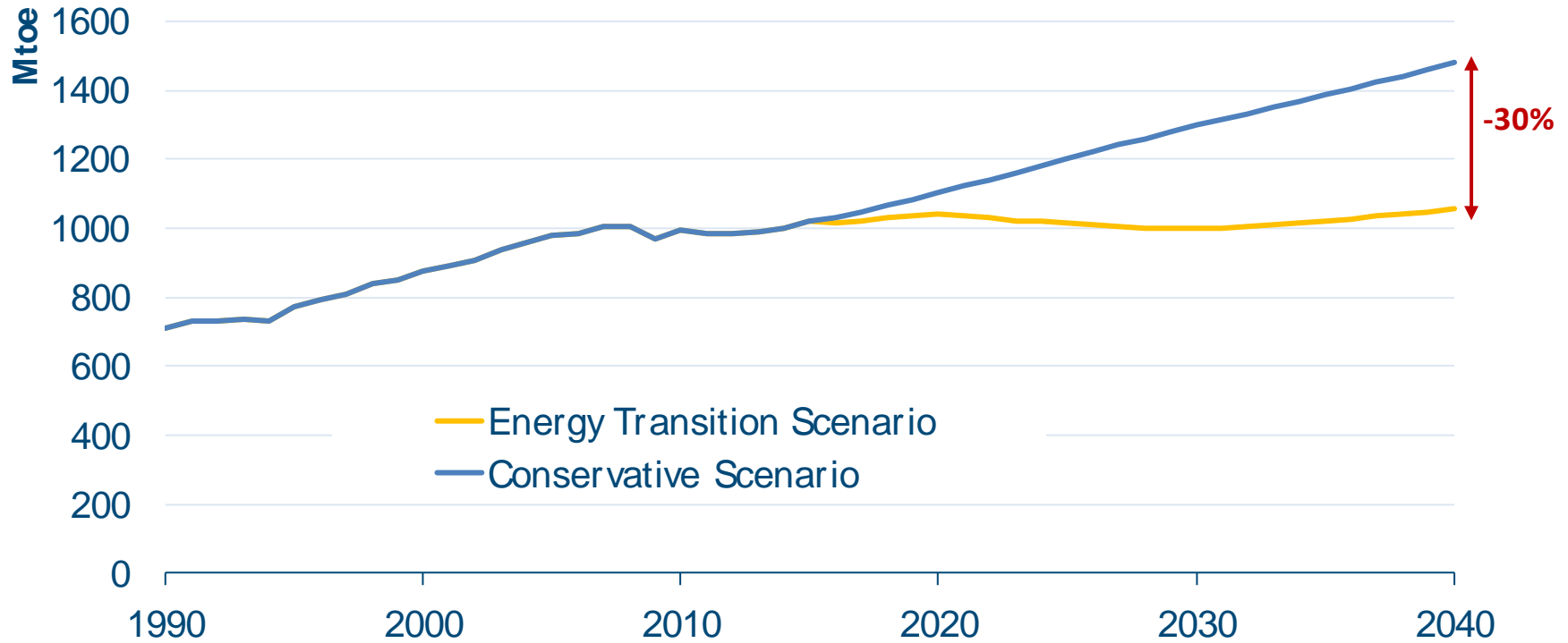
Morocco

Tunisia

25 countries covered
19 individual country models



Primary energy demand

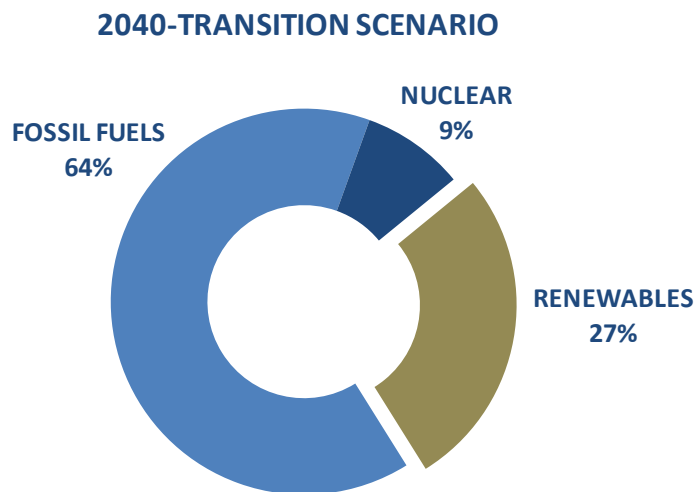
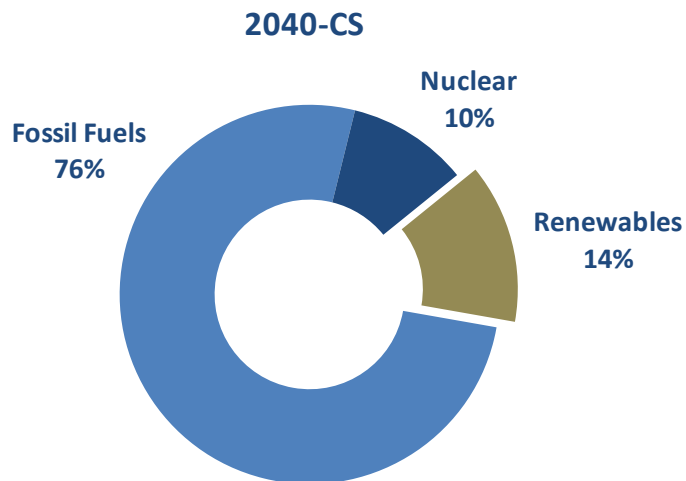
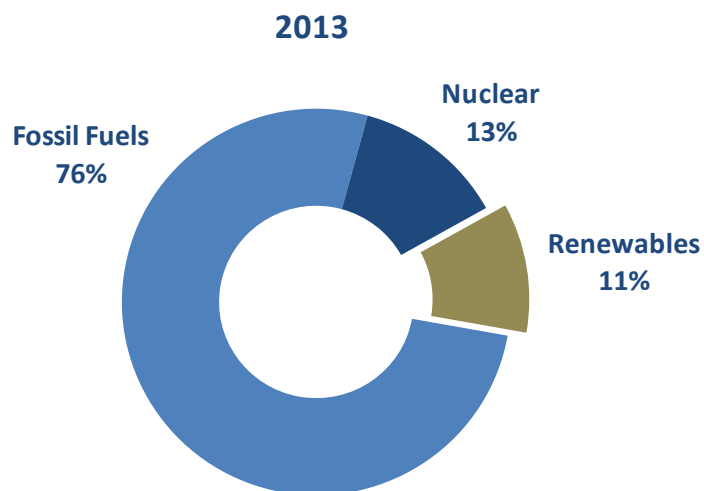


30% energy saving by 2040 (23% in 2030)

7% increase from current levels compared to more than 50% increase in the CS



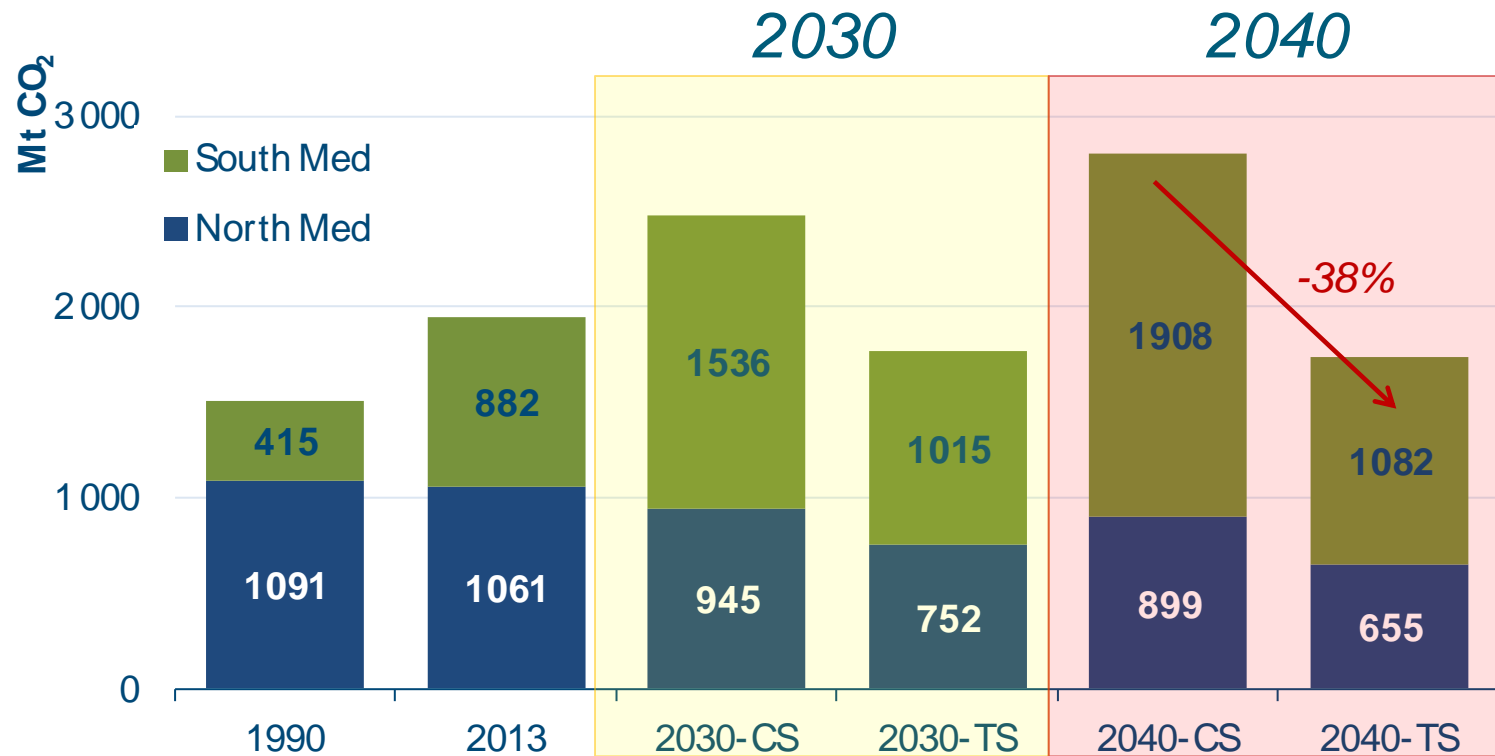
MED energy demand shares



The mix remains fossil-fuel based



CO₂ emissions by region



As a result, CO₂ emissions to explode in the South by 2040 while decreasing in the North in the CS. In TE, more moderate increase in the South



Prospects

- **2040 Targets :**
 - **Demand reduction : 30%**
 - **Share of renewable energy: 27%**
 - **CO₂ emissions reduction: 38%**
- **TE scenario: an opportunity for a new development model**
- **Energy transition support: an innovative cooperation**



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MEDENER

A Mediterranean key actions to support energy transition

- The unique Association in the field of EE & RE grouping Southern and Northern Mediterranean Agencies
- Established in 1997
- 12 Member Agencies, 5 from North, 7 from South
 - *And soon, enlargement to new Members (TR, EG, CY)*
- ~ 1000 experts working on EE and RE
- New opportunities and strengths
 - coming from the new Statute allowing *Permanent Secretariat, General Secretary, Possibility to associate new stakeholders as "Associate members"*)
- National Energy Agencies:
 - *A deep knowledge on EE and RE context in their countries*
 - *Links with Ministries*
 - *Interface between public administration, private sector, Local authorities*
 - *Links with IFI's*
 - *Implement EE and RE Action Plans and Programmes*
- Good understanding and involvement in EU legislation elaboration
- Large experience and involvement in EU projects, individually or grouped





Some key achievements



Observatory of energy efficiency policies for the Mediterranean region

- Setting and training of national teams in 4 countries (Algeria, Morocco, Lebanon, Tunisia) to monitor EE indicators (national databases, and a regional database), based on the EU-ODYSSE methodology

➤ Vocational training programmes for the development of skills and knowledge transfer

- Building and industry sectors especially

➤ Organising a regional dialogue

- MEDENER annual conference to assess the progress of energy transition in the Mediterranean
- Next one should be organised in Algeria the 25th May 2016



➤ Development of a shared long term vision of the energy future in the Mediterranean region

- MEDENER-OME scenario for the energy transition in the Mediterranean by 2040

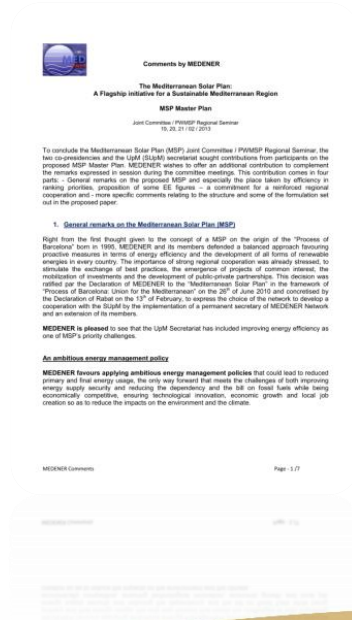
➤ Collection and publication of MEDENER good practices

- in the field of EE and RE, to identify replicable projects and measures



Participation of MEDENER in the Regional Dialogue to promote EE and RE

- MEDENER, a crucial partner to foster EE and RE recognized to foster energy transition in Mediterranean countries
- Establishment of 3 platforms on EE, ER and Gas
 - MEDENER in partnership with RCREEE and RES4MED





Development of Euro-Mediterranean Partnerships to influence MEDENER's vision

Conference, Workshops, Agreements... (1/2)

➤ Overview of Energy transition challenges and projects

Organization of Annual Energy Transition conferences

- 18/09/2013, Tunis - Issues, Means and Perspectives
- 24/04/2014, Marseille – Synergy of actors and development projects
- 10/04/2015, Naples – Support to UfM Energy Platform
- **NEXT : 25/05/2016 , Alger – Accelerating the Energy Transition in Mediterranean countries : Towards a new sustainable energy mix?**



➤ Reinforce regional notoriety

- Agreement with Secretariat UfM to support regional dialogue and projects
- Cooperation with regional actors (MEDRED, OME, MED-TSO...)
- Development of synergies with actors from economy and business (IPEMED, SER, IMEDER...)





Development of Euro-Mediterranean Partnerships to influence MEDENER's vision

Conference, Workshops, Agreements... (2/2)

➤ Create opportunities to influence partners' vision

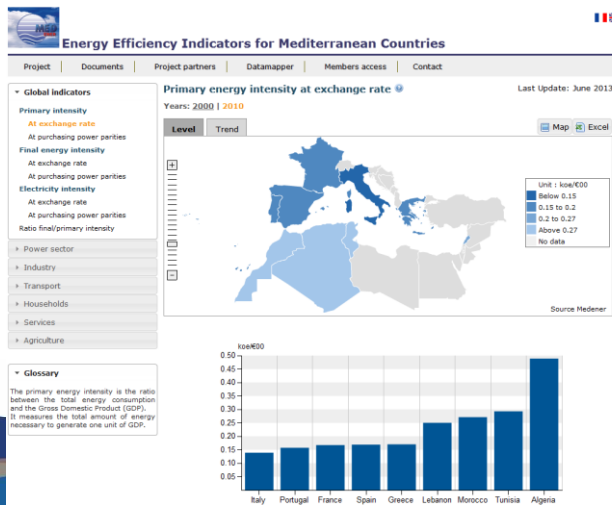
- International Conference to present MEDENER's activities and to develop synergies with regional partners
 - Mare Project 22/23-O2,/16 Athens
- Regional workshop to debate on challenges of the Mediterranean Region
 - MEDREG Seminar , 13/04/16 Madrid
 - Energy Platforms Gas and Electricity, 7-8/03/16, Barcelone
- Thematic conferences to develop trainings
 - Covenant of Mayors, Turkey
 - National Urban Planning seminar with CES-MED, Tunis, Morocco





Implementation of an Observatory to monitor Energy policies MED-IEE Project

- **2012-2014 : The first project in the Mediterranean Region**
 - 4 countries : Tunisia, Algeria, Morocco, Lebanon
 - For each country :
 - Capacity Building of a national team of experts
 - Realization of national reports
 - A dedicated national database
 - A Regional database and a Regional Technical report
 - <http://www.medener.org/en/activite/observatory/>
 - **2016 : More countries Turkey, Egypt and uptaded 1st MED-IEE**





Involvement in several technical workshops through regional projects

- **Institutional and policy workshops**
 - Implementation of NEEAP and monitoring of policy with indicators in support to RECREE workshop
 - Work on Mediterranean Vision 2030 in partnership with OME
- **Energy efficiency and energy audit trainings in the building sector**
 - Around 300 experts already trained (MEDENEC project)
 - Development and discussion on a Regional Project for build up skills in the Mediterranean region in partnership with CEFEB
 - Elaboration of a Regional Strategy for Renovation of Buildings (MARIE Project)
- **Development of urban tools and strategy to support local authorities**
 - Presentation of Climate and Planification tools (CES-MED project)
- **Organization of awareness campaigns to citizens**
 - Support PIME project (Tunisia)
 - Development of Energy Info Space (Morocco)



Development of communication tools

- Kit MEDENER presentation
- Project sheets for each activity
- Website of MEDENER
- Work program





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MEDENER future actions

- **Acting for Energy Transition**
 - Conference
 - Participation at working group during conference, UfM Meeting
- **Developing Energy Transition scenario**
- **Reinforcement of capacity building**
 - EE thematic
 - Solar Energy
- **ANIMATORS to EE and ER UfM platform**
- **Reinforcement of cooperation with other Mediterranean energy actors (MEGREG, RCREEE, RES4MED)**



MEDENER vision

Objectives of the RE&EE platform

Objective 1: To **implement priority actions** adopted at the Union for the Mediterranean Ministerial Conference on Energy.

Objective 2: To assist in the definition and **preparation of priority energy project proposals**

Community instruments for technical and financial assistance.

Objective 3: To **implement technical requirements** for EE & RE developments

Recommendations set out in the Union for the Mediterranean Ministerial Conference on Energy

Objective 4: To **contribute to evaluate and analyse** the Mediterranean energy context

As regards the energy efficiency and renewable energy sources

Objective 5: To **play the role of catalyst and to coordinate with the IFI's**

EIB, for the development of Euro Mediterranean energy projects.



MEDENER EE action plan

(2016-2018)

Five strategic axes with specific Challenges

Axis I

Supporting the development and implementation of EE and RE policies and strategies

Axis II

Supporting the development, implementation and approximation of EE and RE legislative & regulatory frameworks

Axis III

Reinforcing public awareness and capacity building of stakeholders

Axis IV

Engaging the private sector and identify projects with potential scaling-up and facilitate financing

Axis V

Ensuring positive impact on the local economy



Synergies and joint projects

MEDENER EE WG

STAKEHOLDERS:

*MARE Actors, RES4MED,
OME, MEDREG , ...)*

*Synergies, consultation and coordination
in the implementation of the action plan
Opportunities for joint projects' development*

RCREEE RE WG

- *Steering committee*
- *connection WG*
- *UfM Secretariat*
- *REM and GAS platforms*



Thank you for your attention

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