

# MEDREG's MEMO+ results

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#### What's the Mediterranean Electricity Market Observatory (MEMO)



## Mediterranean Electricity Market Observatory - Evolution



#### Mediterranean Electricity Market Observatory - Structure

Overview of electricity systems

•Macro-economic context

- •Electricity demand trends
  - Power generation
    - Interconnections
- Institutional organization

#### Subregional approach

#### • Demand and supply

- Power generation
- Governance and unbundling regime
- Internal structure of the electricity market
- •Regional electricity market system





#### MEMO – Sub-regions



#### Overview of electricity system





#### Electricity demand VS generation in Maghreb sub-region



## Energy mix in Maghreb region



📕 Oil 📕 Natural Gas 📗 Thermal (Combined cycle & Steam Turbine) 📕 Solar 📕 Hydro 📕 Wind

### Cross-border interconnections in the Maghreb member countries



the European Union 10

#### Electricity demand VS generation in East Mediterranean



### Energy mix in East Mediterranean region



#### Cross-border interconnections in the East Mediterranean



Co-funded by the European Union 13

#### Electricity demand VS generation in Türkiye & the Balkans subregion



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#### Energy mix in Türkiye & the Balkans region



#### Transmission and distribution infrastructure in Türkiye and the Balkan

	食	High voltag <del>e</del> (≥60 kV)	Medium voltage (10 kV ≤ V ≤ 30 kV)	Low voltage (< 10 kV)
Türkiye	Length (km)	72 272	1 363 320	
	Consumption (TWh)	64	189	
Croatia	Length (km)	7 785	140 969	
	Consumption (TWh)	5	10	
Slovenia	Length (km)	2 925	19 120	45 141
	Consumption (TWh)	0,094	1,4	11,3
Albania	Length (km)	3 360	16 682	56 566
	Consumption (TWh)	5,3	3,1	
Bosnia & Herzegovina	Length (km)	6 458	N/A	N/A
	Consumption (TWh)	1,17	10,4	
Montenegro	Length (km)	1 423	6 277	13 720
	Consumption (TWh)	0,604	0,463	1,909



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#### Cross border interconnections in the Türkiye & the Balkan



## Electricity demand VS generation in MEDREG's EU members



## Energy mix in MEDREG's EU members

#### **Electricity generation**







\* includes all the fossil fuels, but mostly from natural gas.

3<sup>rd</sup> electricity source





#### Cross border interconnections in MEDREG's EU members



## Information systems and data monitoring and exchanges



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#### Data collection used tools by country



#### Information systems and data monitoring and exchanges



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## THANK YOU

For any questions or information, please contact us by email: Izitouni@medreg-regulators.org

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