

## The project

**TEASIMED** – Towards an Efficient, Adequate, Sustainable and Interconnected MEDiterranean power system, is a project carried out by Med-TSO, aimed at improving the integration of the two shores of the Mediterranean Sea. Launched on September 1st, 2020, and running for 31 months, it has successfully brought together experts from all corners of the Mediterranean thanks to **multilateral cooperation and a full bottom-up approach**.

Despite the challenging situation determined by the impacts of COVID-19, it **reaffirmed Med-TSO's role as a bridge between Europe and the MENA Region**.

## Events



**118**

Web and physical meetings

## Resources



**144**

Representatives from 20 companies working in Technical Committees and Task Forces

## 5 Working Streams

Consolidate the Common Target Regulatory Framework to let it become a real **Mediterranean Grid Code**.

Optimizing the calculation of **interconnection capacities** and applying **joint operational procedures**.



**1**

Update the **Mediterranean Masterplan**, the HV Transmission Network Development plan, in close connection with ENTSO-E Ten Years Network Development Plan.

**2**



Consolidate the Common Target Regulatory Framework to let it become a real **Mediterranean Grid Code**.



**3**

Identify and put into operation **pilot projects** on selected **Interconnected Electricity Exchange Zones (IEEZ)**.

**4**



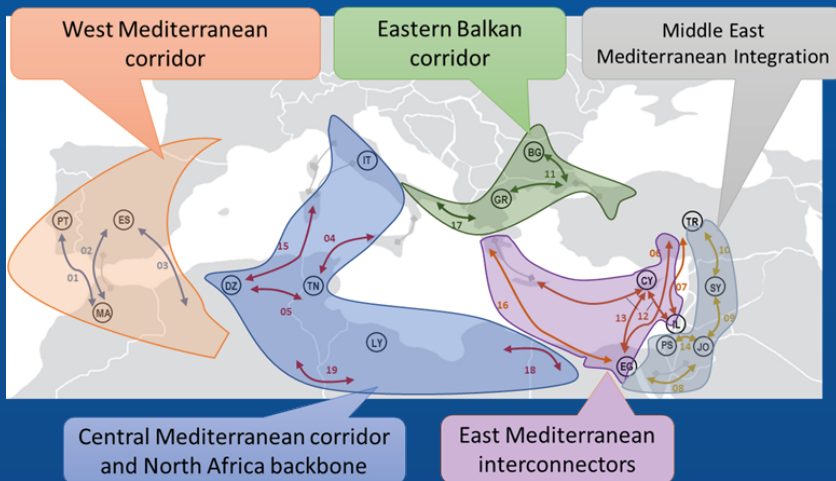
Optimizing the calculation of **interconnection capacities** and applying **joint operational procedures**.



**5**

**Knowledge Sharing programme**, also through the development of a digital web platform.

## 5 Working Streams - results in details



### 1

**Master Plan - 2022 update** following the elaboration of long-term scenarios and fundamental market modelling, developed in close coordination with ENTSO-E.

- **19 Assessed Interconnections**
- **16 Countries Involved**
- **16 Billion** new investments
- **10000 km** new lines
- **19 GW** of new transfer capacity
- **Up to 15 TWh/yr** of reduced RES curtailment
- **Up to 24 Mt/yr** of CO<sub>2</sub> reduction

### 2

Regulatory framework: integrating and exchanging large quantities of renewable energy sources at a regional level, while ensuring the security of supply at affordable costs, requires **harmonized technical rules (Network Code) and regulatory frameworks**, as this is the sine-qua-non condition for exchanging electricity.

### 3

- Development of **two IEEZ - Regional Pilot Projects**, in **South Western** and **South Eastern** Mediterranean.
- Definition of the **minimum requirements and cooperation principles** of a potential market model for **cross-border power**

**trading.** The activity is built on the **Regulatory Framework Analysis** and **Benchmark Analysis** and was carried out at the regional level to account for the different specificities.

### 4

- Development of the first **probabilistic Power System Adequacy Assessment** for the southern Mediterranean region, in line with the best practices developed by ENTSO-E:
- **Consolidation of a single data lake - DBMED**, which has become the backbone for data sharing on all the technical activities of the Association, containing statistics, adequacy, operation and planning data.

### 5

- More than **150 hours of extensive training activities** organized on several thematic areas spanning from Benefits and measures for international power exchange, to Adequacy, and involving up to 150 attendees from Med-TSO members.
- **12 thematic webinars and workshops** with stakeholders, some of which co-organized with MEDREG and ENTSO-E.

Summer Outlook Adequacy Assessment 2022	Winter Outlook Adequacy Assessment <sup>1</sup> 2022/23	Mid-term Adequacy Assessment (2025 & 2027)
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<sup>1</sup> The assessment showed that the majority of the Southern Mediterranean countries see a significant improvement of Adequacy Security indicators thanks to interconnections (i.e. reduction of Loss of load expectation and decrease of up to 50% from 1010 GWh to 450 GWh on cumulated average Expected Energy Not Served - EENS).

