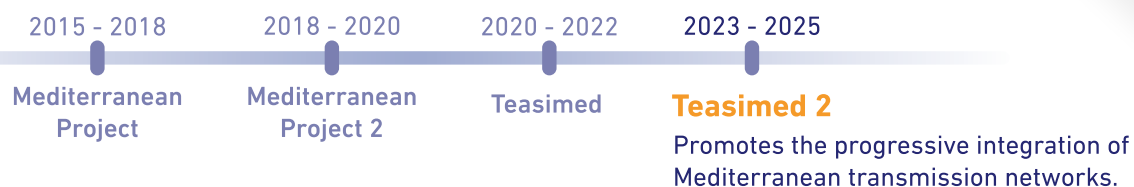


Project Overview

Our mission is to foster the development of an integrated, secure and sustainable regional electricity transmission grid.

We intend to be a professional and strategic reference body for every technical, market and policy issue related to the Mediterranean power system.

Building a Connected Mediterranean Grid



Teasimed 2 reinforces Med-TSO's role as a technical bridge for energy cooperation between Europe and the MENAT region, in line with the European Green Deal and the REPowerEU plan.

Focus areas

- power system adequacy and flexibility
- integration of Renewable Energy Sources
- enhancement of cross-border electricity exchanges
- power systems interoperability

Project Achievements



18 reports completed



23 in-person full day Technical Committees meetings



370 online meetings

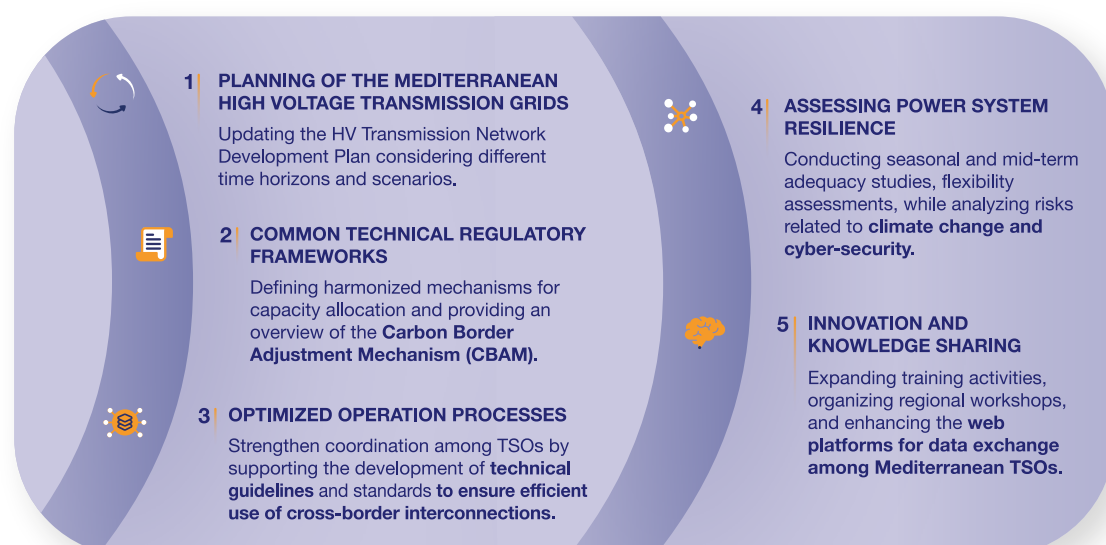


Over **850** attendees at workshops and webinars



More than **8,500** days of technical work by TSO experts

Working Streams



1

Planning the grids

TEASIMED 2 translates long-term vision into consistent studies and projects in two ways, mid- and long-term analyses at 2030 and 2040 horizons and complementary very long term analyses:

- Master Plan of Mediterranean Interconnections 2025 edition**
 Horizon: 2030
 - 10 mature projects assessed
 - 6€ billion invested
 - 8 GW new capacity
 - 9 Mt CO₂
 - Mediterranean Electricity Interconnection Perspective 2025 edition**
 Horizon: 2040
 - 18 potential strategic projects
 - +20.5 GW capacity
 - Up to 80% RES demand met
 - 26.5 MT CO₂/year
- System Needs Report**
 Identify key reinforcements to end regional isolation, reduce prices, and ensure that no "green electron" is wasted at regional level.
 - E-Highway Energy Perspective for MENAT Countries**
 Highlight infrastructure and policy to move from today's Nationally Determined Contributions (NDCs) to zero CO₂ emissions by 2050.

2

More than cables: a common language

Rules applied to **EU and non-EU interconnections**, to build a **target model** for the entire region by **addressing congestion management and capacity allocation**, monitoring also the impact of CBAM. Analysis of the three EU–non-EU interconnections: MONITA (Italy–Montenegro), Türkiye–ENTSO-E system and Morocco–Spain.

3

Strengthening daily TSO operations

Moving from rules to reality by enhancing real-time coordination among TSOs, through improved **Operational Data Exchanges** and the assessment of SCADA readiness, ensuring more efficient and reliable **cross-border energy flows**.

4

The Mediterranean power system must be adequate

System adequacy and security of supply are enhanced by interconnections reducing curtailment risks and preserving the grid against cyber threats and extreme climate events.

Key Deliverables and Findings

-  Elaboration of **6** Seasonal and **2** Mid-term Adequacy Assessments
-  Renewable **capacity projected to triple** across the Mediterranean
-  First **regional study on flexibility** needs for 2025, 2027 and 2030
-  Identified flexibility needs reaching **29.87** GWh by 2030

5

Technical progress is powered by people

The project empowers people through the **Knowledge Sharing Programme**, building a community of excellence that connects experts across three continents and turns technical data into shared wisdom.

Our work **bridges complex technical planning and institutional actions** by supporting key regional initiatives such as the **UfM Regional Electricity Market Platform** and the **Pab Arab Electricity Market** promoted by the League of Arab States. We also **collaborate strategically** with regional partners like **MEDREG** to ensure that technical consensus is effectively translated into high-level policy decisions.

Check out the project outcomes online!

