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SHAREN

The Story of SHAREN: Energy, People and Heritage in Motion

22 September 2026, Rome (Italy) - Conference at CNR

Pepa Esparza Arbona (IVE) - SHAREN Project Coordinator

pesparza@five.es - www.five.es

IVE
Instituto Valenciano de la Edificación













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the European Union

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Interreg NEXT ‘Mediterranean Sea Basin’ (‘NEXT MED’) programme is the third generation of one of the largest cooperation initiatives funded by the European Union to enhance transnational cooperation in the Mediterranean area.

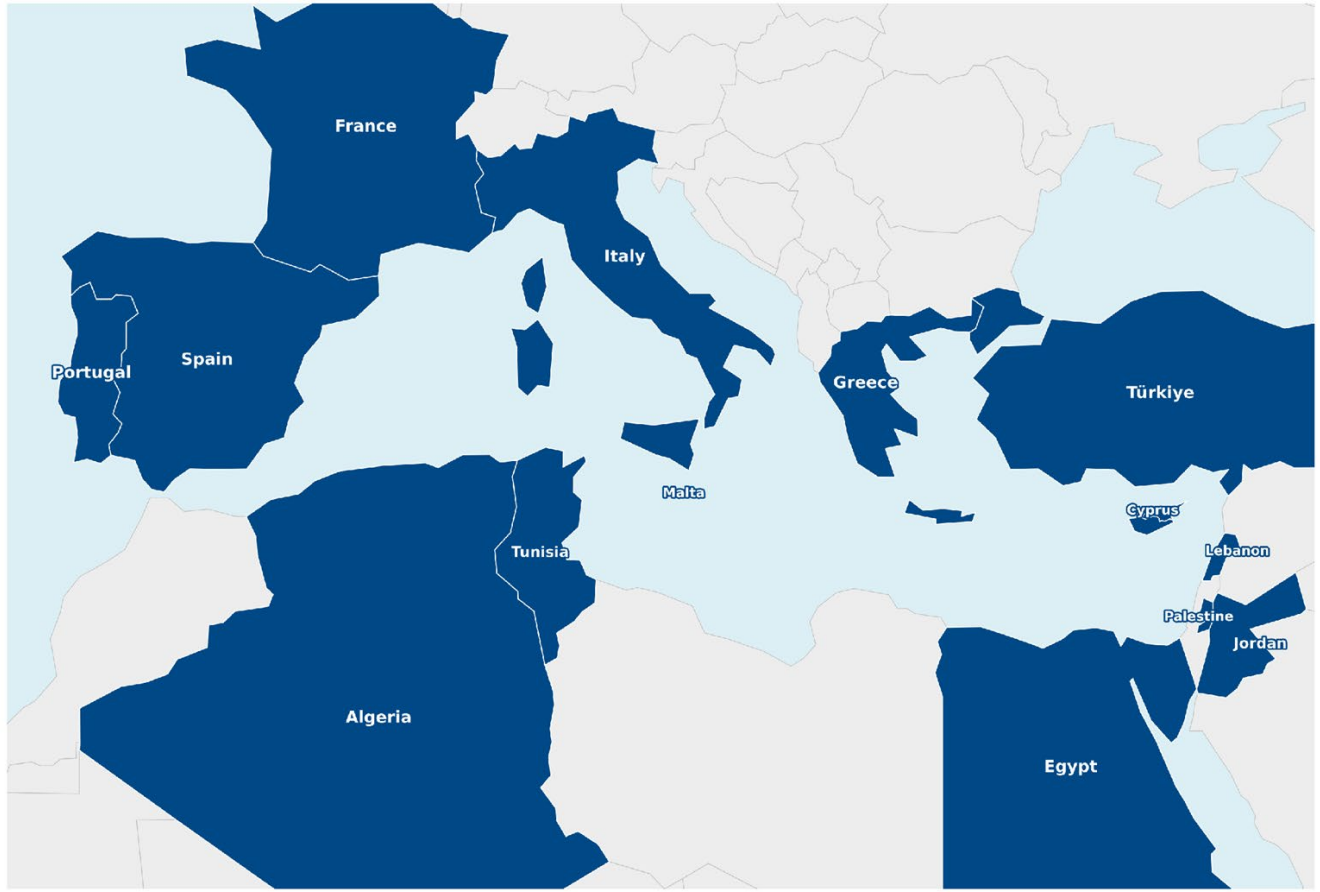
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Interreg NEXT MED

The cooperation area covers 15 countries around the Mediterranean, combining EU Member States and Southern Neighbourhood partners.



Interreg NEXT MED



Priority 1 – A more competitive and smarter Mediterranean



Priority 2 – A greener, low-carbon and resilient Mediterranean



Priority 3 – A more social and inclusive Mediterranean



Priority 4 – A better cooperation governance for the Mediterranean

The Mediterranean Energy Challenge

Southern Mediterranean countries still run overwhelmingly on fossil fuels — even though the region is warming 20% faster than the global average.



...In Heritage-Rich Historic Centres

236 UNESCO World Heritage Sites

Many sit inside dense historic centres, where old buildings use energy inefficiently.



SHAREN's question

How do we bring clean, shared energy into historic centres — without compromising the heritage that makes them special?



What is SHAREN

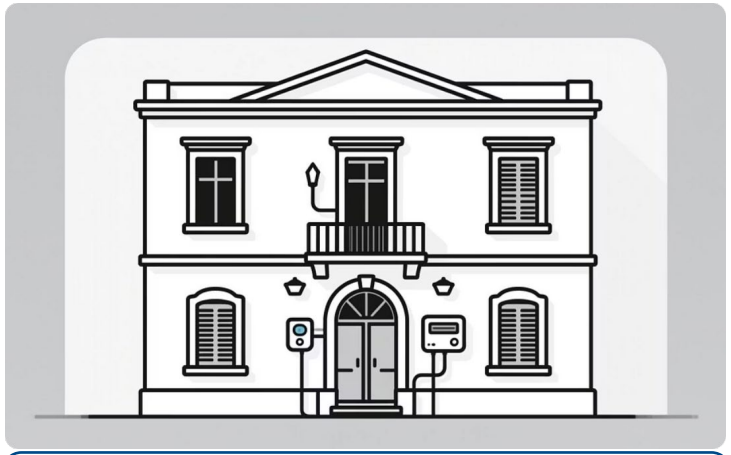
What is SHAREN?

Energy-SHARing solutions and communities for enhanced ENergy efficiency in Mediterranean historic centres.

SHAREN introduces six innovative **Energy Sharing Solutions** (ESS) and **Renewable Energy Communities** (REC) that produce, share, and consume clean energy locally within historic Mediterranean centres.



SHAREN Approach



ENERGY EFFICIENCY

Integrating renewable energy solutions that respect heritage constraints, reducing consumption without compromising aesthetics.



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HERITAGE PRESERVATION

Ensuring energy upgrades, rather than detract from, the architectural beauty and historical significance of Mediterranean cultural heritage.

SHAREN is not just installing technology — it's showing that energy transition can respect beauty, history, and identity.



What Does “Energy Sharing” Really Mean?

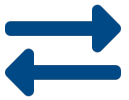
1. PRODUCE

Solar panels and energy storage solutions to generate clean power on-site.



2. SHARE

Energy flows to neighbours nearby — through the grid or peer-to-peer.



3. OWN TOGETHER

Residents, businesses & the municipality hold a real stake — not just a bill.



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SHAREN at a Glance

€2.52 Million

EU co-funded budget under the Interreg NEXT MED Programme

36 Months

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N dĉ ĥsdpżł dżł

5 Countries, 1 Challenge

Spain, Lebanon, Jordan, Türkiye & Italy

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Energy agencies, research centres, ministries & municipalities

6 ESS / RECs

4 pilots tested, 2 more designed for replication

SHAREN Objectives & Expected Results



- **Objective 1 — Demonstrate the benefits of energy-sharing solutions through pilot actions in 5 countries.**
- Result 1 — 6 pilots proving technical, financial & environmental benefits in Spain, Lebanon, Jordan, Türkiye & Italy.

- **Objective 2 — Mainstream energy-sharing solutions into regional & local policymaking.**
- Result 2 — 1 Transfer Programme for 8 uptakers, plus a 23-organisation SHAREN Memorandum of Understanding.

SHAREN Project Partners



Instituto Valenciano de la Edificación - IVE (Spain)



Lebanese Center for Energy Conservation (Lebanon)



Ministry of Environment, Urbanization and Climate Change (Türkiye)



Enercoop (Spain)



National Research Council (Italy)



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SHAREN Project Beneficiaries

üJüäəÄÃHnĵţ ŗɋgnĵĉŗ

Improved thermal comfort and reduced energy costs

40,000 Tourists

Sustainable cultural heritage experiences

240 Businesses & 80 Workers

Lower operational bills and enhanced sustainability

6 Municipalities

Achieved energy autonomy and enhanced capacity

180 Public Officers

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SHAREN Pilots

PILOTS: 4 Frontrunners



ÁĽṡǫŻ¹ŹŠöŻĥ

REC · 100 kWp solar PV, connected to the grid



Anjar, Lebanon

RE Cooperative· 100 kWp PV + 200 kWh battery



Madaba, Jordan

ĚŚŠĂū ĥṡģĂQüQĂḛvźeģŻł ʒ ḛĂŠŤüəĂ ŴöĂ QŴĂ Ăgəə Ă ŴģĂæŻṡṡḛpẅ



Byblos, Lebanon

RE Cooperative· 130 kWp PV + 350 kWh battery

PILOTS: 2 Followers



N nȷ ṡǫpnṡnȷ ĉ nȷ1ĂṡŻĽẅ



Usak, Türkiye

QǐĹŎŤŚ°ĂĂĂŰöṡŻȷ ḛpṛ

Pilot Projects : Altea, Spain

- Historic coastal town in Spain’s Alicante province, known for its beautiful old town
- Traditional white houses, narrow streets and historic buildings overlooking the Mediterranean Sea



Pilot Projects : Madaba, Jordan

- Renowned worldwide for its Byzantine and Umayyad mosaics, including the 6th-century Madaba Map
- A living heritage city, where ancient churches sit among busy modern streets



Pilot Projects : Anjar, Lebanon

- UNESCO World Heritage Site
- Archaeological remains dating back to the early 8th century.
- Unique blend of Roman and Islamic architectural elements



Pilot Projects : Byblos, Lebanon

- One of the oldest continuously inhabited cities in the world

- Rich history and archaeological sites



ŠŇĂŘĚŃĂ
Qpnž pḏṛṛ

SHAREN Progress, milestones and results

Framework

Mapping historic-centre energy demand, heritage regulations and the best energy-sharing pilots already running across the EU and the Mediterranean.

A3.1.1 Framework (download)

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Protocol

A step-by-step guide to designing and running an Energy Sharing Solution (ESS) or Renewable Energy Community (REC) inside a heritage building — legal, financial, technical and stakeholder models.

A3.1.2 Protocol (download)

SHAREN Progress, milestones and results

Mobilising Local Communities

Engaging municipalities, building owners, energy providers and residents at each of SHAREN's 6 sites.

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Laying the Foundations

Frontrunners secure the legal and administrative groundwork for their ESS/REC — agreements with building owners, permits, and paperwork — before any equipment goes in.

Building & Testing

SHAREN goes from paper to panels: solar PV installation, battery storage where needed, and the peer-to-peer exchange technology that lets neighbours share energy.

SHAREN Progress, milestones and results

Guide & Academy

Everything the project learned — the Protocol and the pilot results — becomes an e-learning platform: online modules, in-person classes and AI-enhanced tools.

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Sustainability Plans

Each frontrunner drafts a roadmap to keep its pilot financially, legally and technically sound long after SHAREN's funding ends.

Mainstreaming

An evidence-based policy brief and academic paper carry SHAREN's findings to local, national and EU energy policymakers.

Impact Beyond Energy

Gender Equality

Promoting women's participation in energy communities and in decision-making roles.

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Sustainable Development

Supporting the Paris Agreement and UN SDG 7 (Clean Energy) & SDG 11 (Sustainable Cities).

New European Bauhaus

Beautiful, sustainable, together: reusing heritage rather than building new.

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SHAREN Website

LinkedIn

Thank you

Pepa Esparza Arbona (IVE) / pesparza@five.es
https://www.linkedin.com/in/pepaespar/

Website

Linkedin

IVE
Instituto Valenciano
de la Edificación