



La riqualificazione degli edifici pubblici e il cambiamento dei comportamenti privati

Firenze giovedì 14 settembre > 9³⁰ - 16⁰⁰
Innovation Center di Fondazione CR > Lungarno Soderini, 21

SOLE project: High energy efficiency for the public stock buildings in Mediterranean



Rosa Schina
SOLE Project Manager
ANCI Toscana



Project partners



Associated partners



Our objectives

The main objective of SOLE is to develop **joint strategies** supporting cost-effective and innovative energy rehabilitations of the public buildings.

To promote technical knowledge sharing and **capacity building for behavioural change** for improved energy performance of public buildings

To implement solutions of **cost-effective technologies for energy efficiency and renewable energy of public buildings** on a pilot basis

To develop local and joint **policy recommendations** for energy renovations of public buildings, easily replicable in other Mediterranean areas

Number of the project

10 July 2020 – 09 October 2023



- **11** PARTNERS
- **2** ASSOCIATED PARTNERS
- **7** PILOTS
- **7** COUNTRIES INVOLVED IN ACT GREEN CAMPAIGN
- **+1400** PUBLIC BUILDINGS' USERS PARTECIPATING ACT GREEN CAMPAIGN

FINANCIAL DATA

€
3.6 million
Total budget

€
3.2 million
EU contribution

%
10%
Project co-financing

Who we are

11 PARTNERS – 7 MED COUNTRIES – 5 EU & 6 MPC PARTNERS

- LP ANCI - National Association of Italian Municipalities Tuscany (Italy)
- PP1 ARRR - Regional Agency Resource Recovery (Italy)
- PP2 NTUA - National Technical University of Athens (Greece)
- PP3 FEDCO - Federation of Egyptian Chambers of Commerce – Alexandria Chamber (Egypt)
- PP4 CEEBA - Confederation of Egyptian European Business Associations (Egypt)
- PP5 RSS/NERC - Royal Scientific Society/National Energy Research Center (Jordan)
- PP6 Municipality of Jounieh (Lebanon)
- PP7 AEE - Andalusian Energy Agency (Spain)
- PP8 FNCT - National Federation of Tunisian Cities (Tunisia)
- PP9 Municipality of Mnihla (Tunisia)
- PP10 Municipality of Prato (Italy)

2 ASSOCIATED PARTNERS

Tuscany Region (Italy)
Ministry of Education (Jordan)



“Our goal is to enhance energy efficiency of public buildings in the Mediterranean area”



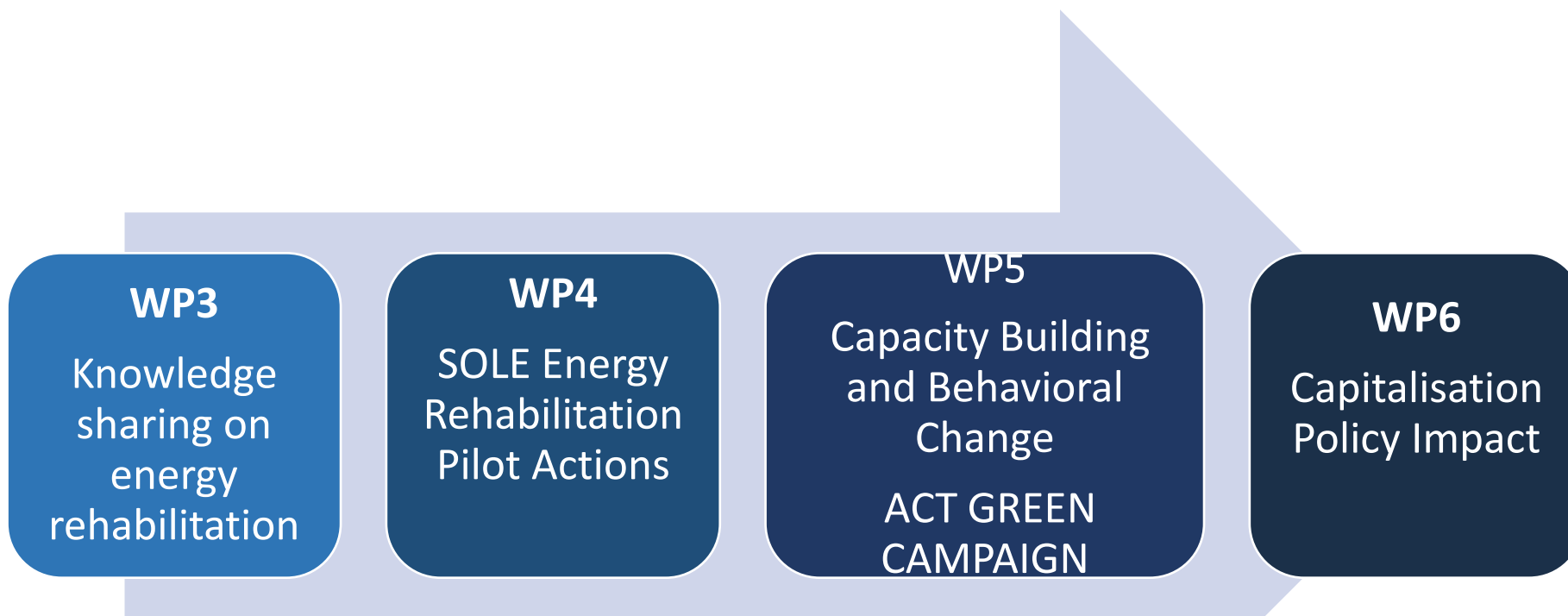
Project partners



Associated partners



Project approach



Results at a glance

- **7 pilot actions** implemented to rehabilitate public buildings
- **1 cross border policy recommendations**
- Increased proportion of **renewable sources** in the energy mix by c.a **300.000 kWh**
- **Reduced emissions** from PBs by c.a **130 tons CO₂/year**





What we have done



Energy rehabilitation of 7 public buildings 2020-2023

Stadium of Jounieh – JOUNIEH (LEBANON)



Mnhila Municipality Building – MNHILA (TUNISIA)



Public Primary School – MADABA (JORDAN)



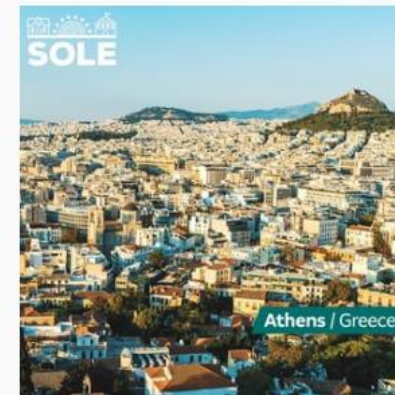
Kindergarden “Borgo San Paolo” – PRATO (ITALY)



Faculty of Engineering Alexandria University – ALEXANDRIA (EGYPT)



Headquarter of the AEE– SEVILLE (SPAIN)



School of Architecture University of Athens – ATHENS (GREECE)



Project partners



Associated partners



What we have done

Knowledge Sharing Seminars 2020-2021



Virtual Seminar
Organized by: **Andalusian Energy Agency**
December 1 - 2, 2020
savethedate

Technological solutions for the improvement of energy use in public buildings

Day 1 December 1

Technological solutions for the improvement of energy efficiency.

Day 2 December 2

The management and control of the facilities. Practical cases of energy rehabilitation of buildings



FINANCING OPPORTUNITIES FOR THE IMPROVEMENT OF ENERGY USE IN PUBLIC BUILDINGS

Second Technical Seminar

Register here:
<https://bit.ly/SoleTechnicalSeminar>



MARCH 30TH | 9 am – 2 pm CET



savethedate

JULY 7
10 am - 2 pm CET

How to design and implement measures to increase awareness and change behaviour among building users?



Third Technical Seminar
Organized by: **Andalusian Energy Agency**



Project partners



Associated partners



What we have done

Raising Awareness Campaign ACT GREEN 2020-2023



Act Green **awareness campaign** is launched in all partners countries

AIM: Reduce building energy consumption by encouraging behavioral change in building's staff and users.

TOOL: Capacity Building pack with suggestions, useful to create a successful and effective awareness raising campaign



Project partners



Associated partners



What we have done

Raising Awareness Campaign

ACT GREEN

2020-2023



MORE STAIRS, LESS LIFT

SOLE

www.enicbmed.eu/projects/sole
#SoleProjectMed

USE A MULTIPLE POWER SOCKET WITH SWITCH

SOLE

www.enicbmed.eu/projects/sole
#SoleProjectMed

INSTALL A TIMER TO THE VENDING MACHINES

SOLE

www.enicbmed.eu/projects/sole
#SoleProjectMed

استخدم الدرج أكثر من استخدام المصعد

SOLE

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استخدم مقبس طاقة متعدد مع مفتاح

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قم بتثبيت جهاز مؤقت لآلات بيع الوجبات الخفيفة والمشروبات

SOLE

www.enicbmed.eu/projects/sole
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PLACE THE DESKS NEAR THE WINDOWS

SOLE

www.enicbmed.eu/projects/sole
#SoleProjectMed

PAY ATTENTION TO THE THERMOSTAT DURING SUMMER

SOLE

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PAMPER YOURSELF WITH A SWEATER AND TURN DOWN THE RADIATOR!

SOLE

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وضع المكاتب بالقرب من النوافذ

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راقب منظم الحرارة خلال الصيف

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#SoleProjectMed

استمتع بلباس سترة واعمل على خفض درجة حرارة المدفأة أو السخان

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What we have done

Raising Awareness Campaign

ACT GREEN

2020-2023



Project partners

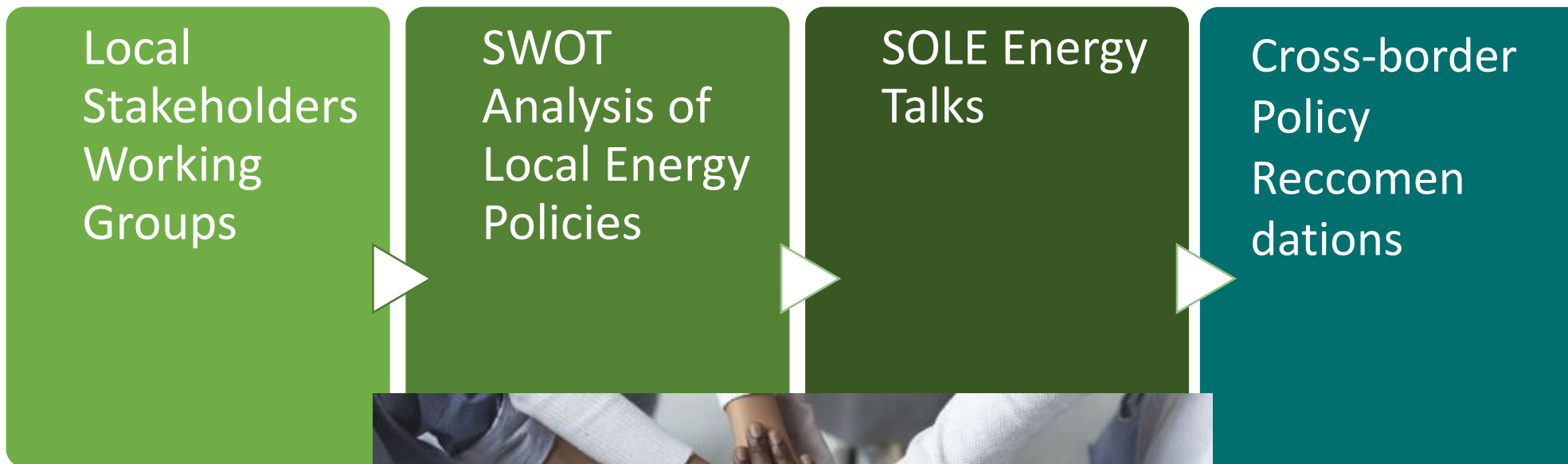


Associated partners



What we have done

Cross-Border Policy Recommendations 2022-2023



What we have done

SOLE Energy Talks

2022-2023



#SOLEenergyTALKS

Immaginiamo l'edificio pubblico di domani



SOLE

#SOLEenergyTALKS
Future of Public Buildings & Energy Efficiency in Egypt

14 05 23

Time & Venue:
10:00 AM
Alexandria Chamber of
Commerce, Egypt.

What we have done

SOLE Energy Talks 2022-2023



L'EDIFICIO PUBBLICO DI DOMANI

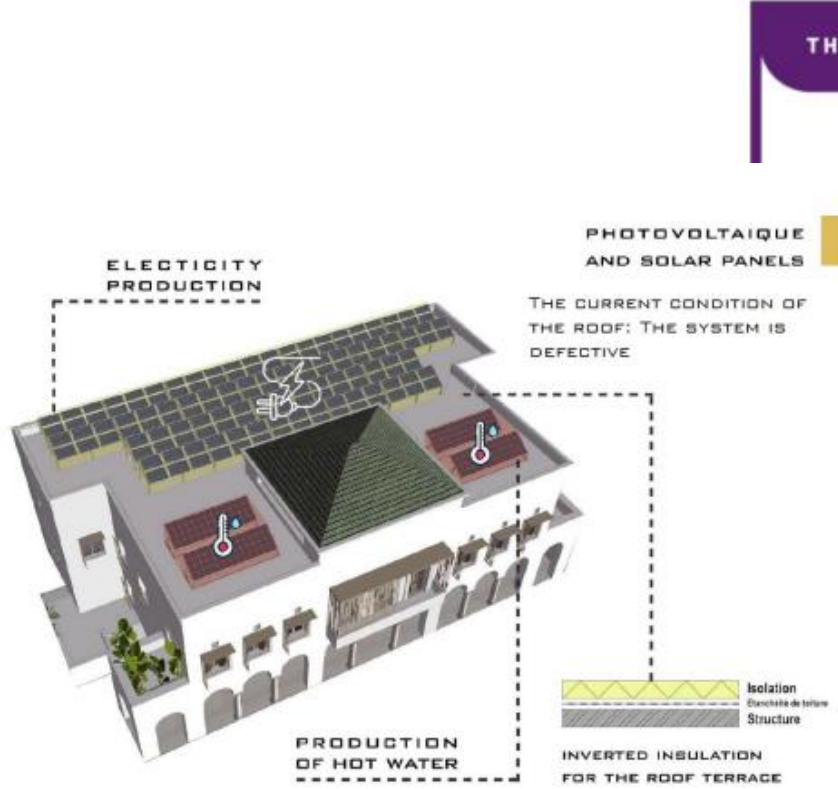
LA TESTIMONIANZA: **LA TESTIMONIANZA:**

1. EDIFICI STORICI
2. TECNOLOGIE PER IL POTERE E IL MONITORING IN COMPLESSO
3. COMUNITA' ENERGETICHE RINNOVABILI

I PILASTRI **TRASVERSALI**

CAPACITAZIONE E FORMAZIONE **FINANZIAMENTO** **GOVERNANCE DEI PROCESSI**

JACOPO SALIZADARO
21.02.2023 • 29.03.2023



Project partners



Associated partners



What we have done

Cross-border Policy Recommendations 2022-2023



TARGET: Policy makers, technicians and citizens

AIM: Deliver a **strategic vision** and a set of actions designed to **influence** and determine all major **decisions and actions** concerning **green building rehabilitation**

TOOL:

- the **state of the art of energy refurbishment policies** in each SOLE country
- a set of **policy recommendations for improving energy policies** to facilitate energy requalification interventions of public buildings.



<https://www.enicbcmmed.eu/sole-presents-its-cross-border-policy-recommendations-building-energy-efficiency>



FIND OUT MORE



@SoleprojectMed



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Sole project Med.

<https://www.enicbcmed.eu/projects/sole>



Project partners



Associated partners





SOLE Pilot: Madaba, Jordan
PARTNER: Royal Scientific Society (RSS)
BUILDING: Iskan Faiha Primary School



Project partners



Associated partners





SOLE Pilot: Jounieh, Lebanon

PARTNER: Municipality of Jounieh

BUILDING: Fouad Chehab Stadium



Project partners



Associated partners





SOLE Pilot: Seville, Spain
PARTNER: Andalusian Energy Agency (AEE)
BUILDING: AEE headquarter



Project partners



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Thank you for your attention!



Project partners



Associated partners

