



2nd TAIEX Multi-Regional Workshop on EE in Buildings

**The role of Energy Agencies in the Energy Transition of
the Building sector in the Mediterranean Region**

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Energy Efficiency in Buildings in the Mediterranean Region

- The MED Region is a Hot Spot for climate change, as the area is warming 20% faster than the rest of the world.
- **Growing energy demand** due to growing population and behavioral patterns (fossil fuel to respond their needs).
- **The building sector** is one of the largest energy consumer sectors of the meetMED target countries, which makes it a main target for NEEAPs.
- **Egypt & Lebanon** have the largest share of energy consumption in the building sector.
- Implementation is still hard to assess and one main challenge is **enforcement**.

Table 4: Energy consumption in the building sector in the meetMED partner countries

	Unit	Algeria	Egypt	Jordan	Lebanon	Libya	Morocco	Palestine	Tunisia
Year of data:	Year	2017	2017	2017	2015	2016	2013	2017	2017
Share in total Final energy consumption	%	33.60%	50.5%	28.70%	40.20%	39.00%	33.00%	38.40%	27.00%
Share in total Primary energy consumption	%	-	-	20.10%	29.30%	-	-	34.00%	-

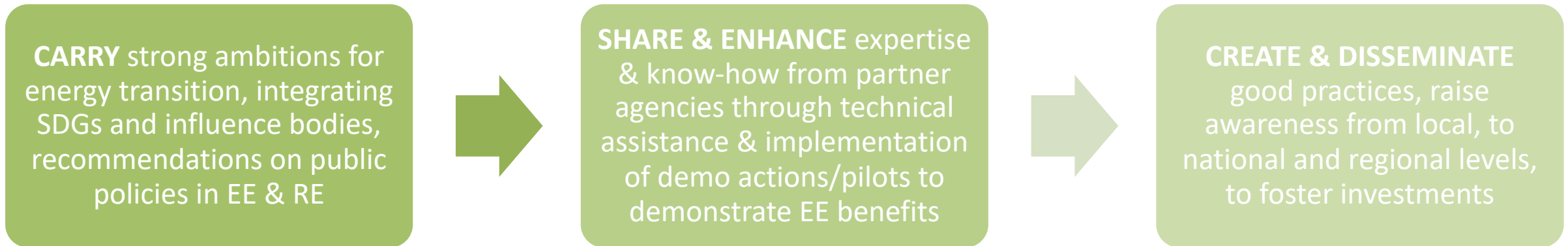
The role of Energy Agencies – Example of the MEDENER network



MEDENER is an international no-profit organization gathering agencies from North and South of the Mediterranean region in charge of implementing public policies on energy efficiency and promotion of renewable energy sources.

This network of agencies advocates for common goals to make the impact reach a regional-level, by:

Levels of intervention



Regional Expert Network (REN network)



meetMED REN reached more **100 national experts** from national energy agencies and departments of **13 Mediterranean countries**.

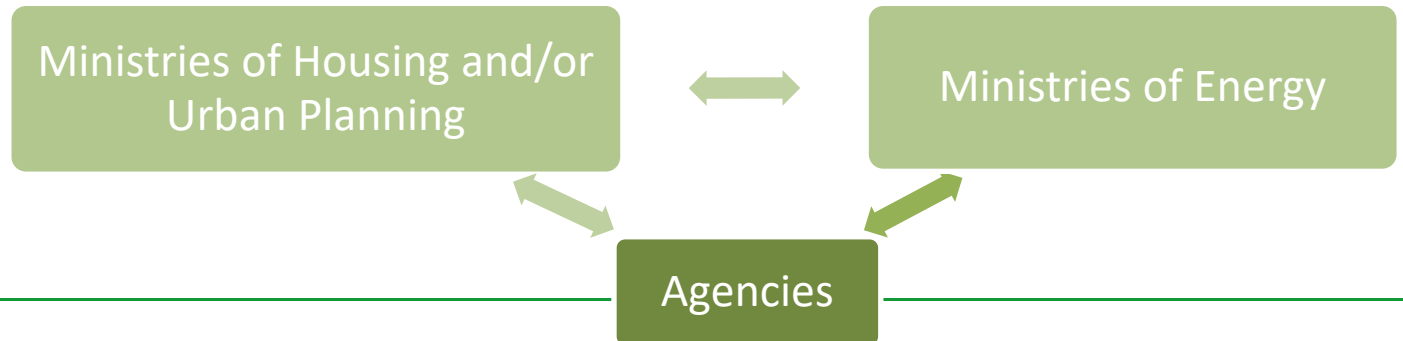
The meetMED REN consists of **four thematic task forces**, with a focus on:

- EE and RE strategies and policies;
- EE and RE monitoring tools;
- EE in buildings;
- EE for appliances.

The meetMED REN experts strengthens and multiplies technical expertise to support national governments to implement EE and RE policies and measures.

Together, they created instruments shared at regional level, such as policy recommendation.

Need to better finetune



From the Energy Ministerial Declaration to the Roadmap for Action 2021 onward



MEDENER is an international no-profit organization gathering agencies from North and South of the Mediterranean region in charge of implementing public policies on energy efficiency and promotion of renewable energy sources.



RCREEE is an intergovernmental organization aiming to enable and increase the adoption of renewable energy and energy efficiency practices in the Arab region.

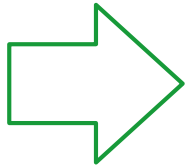
Jointly contributing to the **Energy Ministerial Declaration of 2021**
And its **Roadmap for Action's** implementation within the RE/EE platform (MEDREG, Med-Tso, OME, MEDENER, RCREEE, PEEB)

Notably through the **meetMED project**, therefore participating to the following items of action:

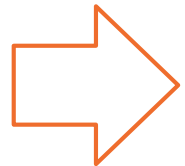
- **Visibility and outreach during high-level events (1)**
- **Capacity-building on modelling and on the WE nexus (2)**
- **Support to enforcement and harmonization of policies and tools (3)**
- **Improvement of visibility of existing funds and development of tools and guidelines for stakeholders (4,5)**
- **Engagement of local level and sharing of good practices (6)**
- **Engagement of the national education to increase public awareness (10)**

Objectives of meetMED II

- Building on previous outputs/**sectoral reports** from meetMED I (accessible on <https://meetmed.org/publications/>)
- And on the established meetMED Regional Expert Network (REN) of more than **140 experts** from national agencies of 13 Mediterranean countries, and to the benefit of 8 countries from the South-shore of the Med.
- The meetMED II project intends to contribute to enhancing energy security of beneficiary countries while fostering their transition to low carbon economy, notably through:



• The massive deployment of **RE and EE measures** in building and appliances' sectors in the Southern Neighborhood region accelerates the clean energy transition.



• **Public awareness (decision-makers, private and financing sector, education sector)** on energy's stakes and challenges increases, thereby fostering **involvement & investments** towards more EE buildings and appliances sectors.



Algeria



Libya



Egypt



Morocco



Jordan



Palestine

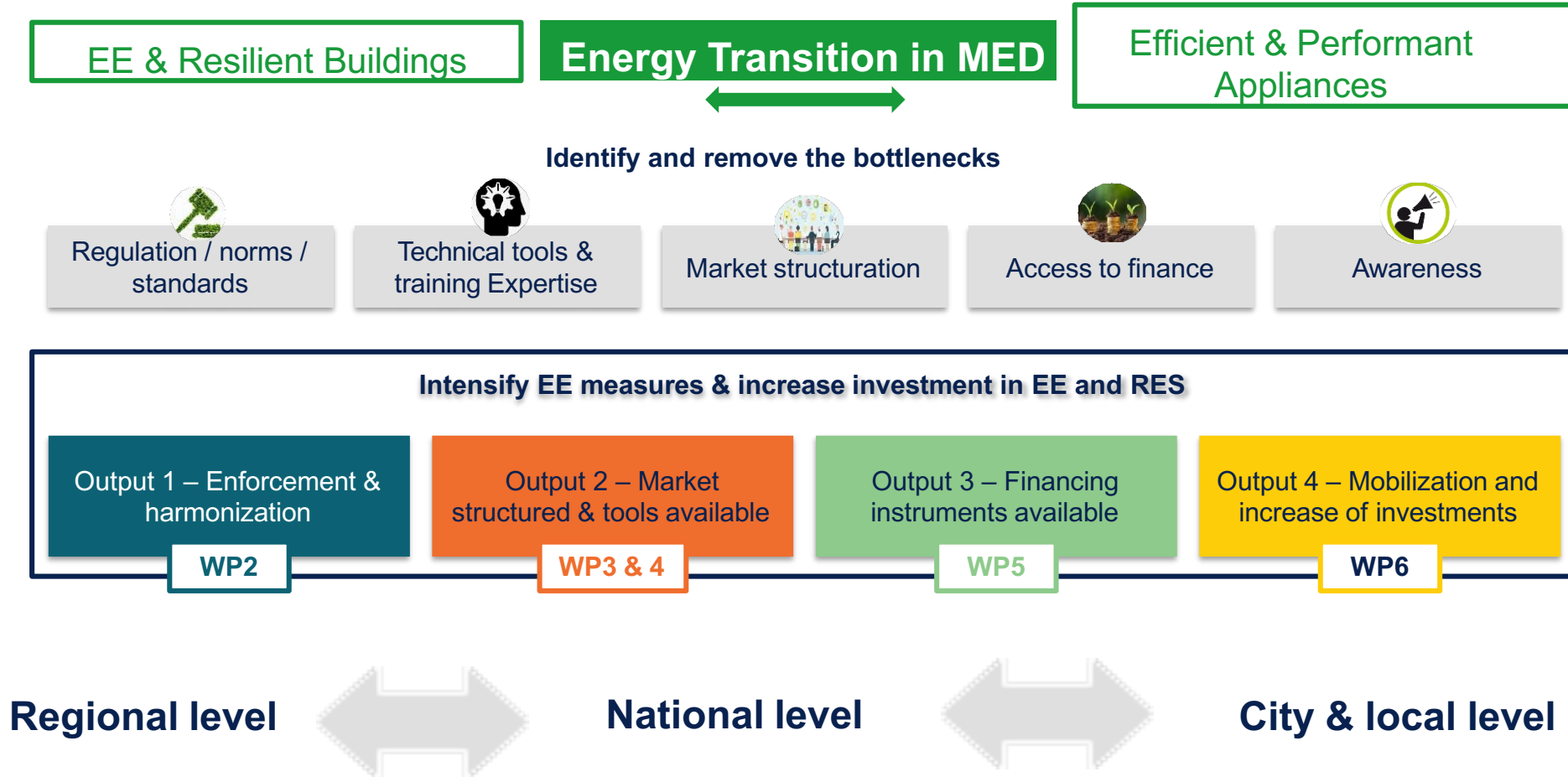


Lebanon

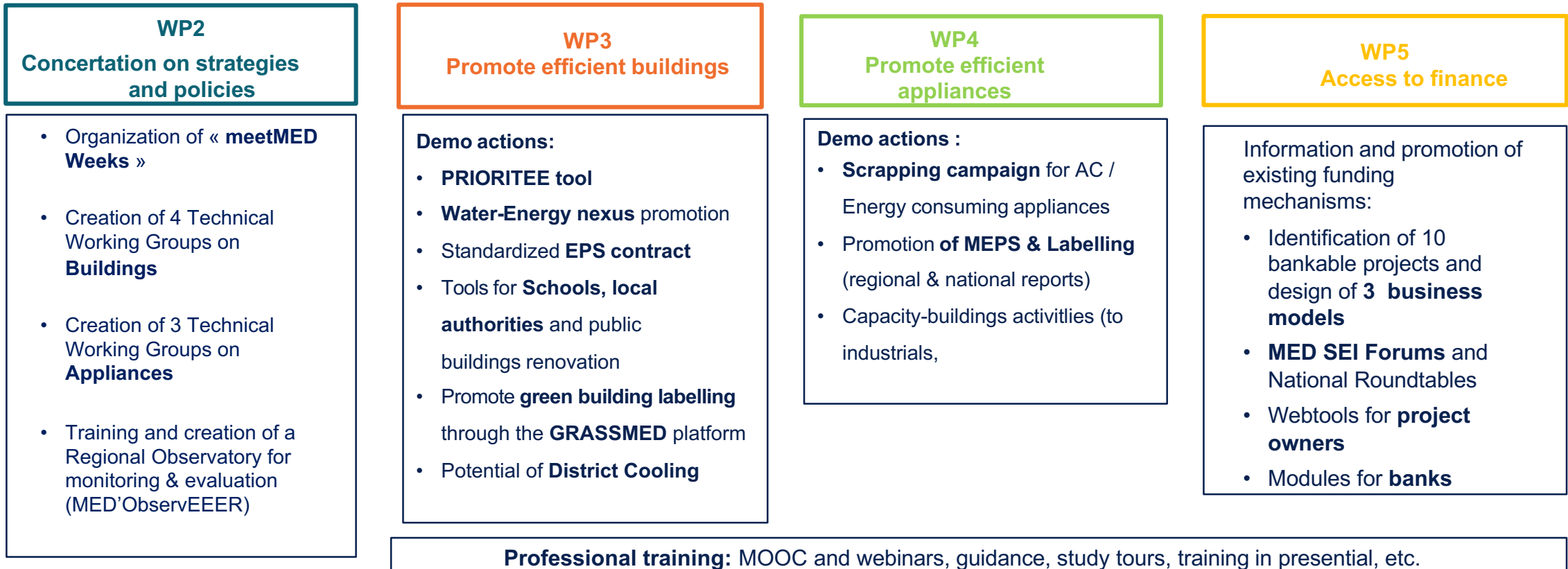


Tunisia

Rationale – Focus on the Demand-side



Overview of Work Packages



WP6 – Communication and dissemination



Working in synergy with other projects/programmes

meetMED II acts as a catalyser for action and aims at working in synergies with other partner projects/programmes to optimize and scale-up actions, among others:



Project Identification support, capacity-building, advocacy, visibility



UNEP-CCC & Toolbox on District Energy: Capacity-building on District Cooling, synergies in projects identification



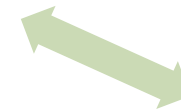
Focus on SEACAPs (Sustainable Energy Access & Climate Action Plan), in line with Covenant of Mayors, to define concrete actions at local level



And others in process: with the COOL-UP programme (Guidehouse) on reducing cooling demand



SEACAP 4 SDG on capacity-building, transfer of tools & methodologies for public buildings at the city-level



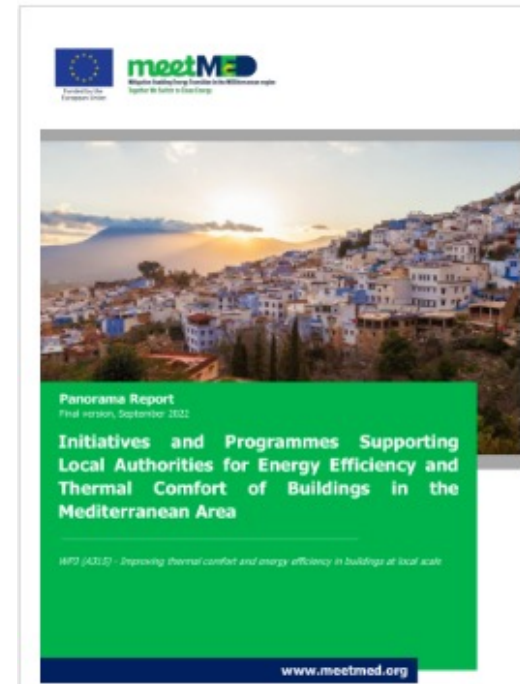
Key Deliverables 2021-Sept 2023

- **Bilateral meetings & Task Force Notes** led by the Technical Working Groups of WP2 to identify policies & strategies enforcement
- **3 technical workshops** on Monitoring & Evaluation (EE indicators, Energy Demand Modelling, NEEAPs)
- Development & organization of **training on EPCs (Energy Performance Contracts)** and **1st audits** held in Palestine (material available online: <https://meetmed.org/training-packages/>)
- Report “**Panorama of tools for local authorities**” & **1 Joint Euro-Med Workshop** with SEACAP & EEB (February 2022)
- **Report on assessment of GRBS in the Med & development of the GRASSMED platform**
- Launching of the **Twinning Agreements**
- **3 awareness-raising videos** on Appliances (Behavioural Change, Appliances Labels, Efficient use of AC)
- **Training modules for providers & industrials**
- **Financing Capability Guidebook**



Technical Assistance for the Implementation of Demonstration Projects of Standardized and Easily Replicable Energy Services with Energy Performance Contracts

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Key highlights/events 2021- Sept 2023

- Two editions of **meetMED Weeks (Cairo & Marrakesh) + Trophées Medadapt 2023**
Recap video Cairo: https://www.youtube.com/watch?v=CXam2uiVN_A&ab_channel=meetMED-TogetherWeSwitchtoCleanEnergy
Recap video Marrakesh: https://www.youtube.com/watch?v=cYprgTd50dM&ab_channel=meetMED-TogetherWeSwitchtoCleanEnergy
- **2 District Cooling Programs** (workshops + study tours in Cairo March 2022 and Paris September 2022)
- **3 MED SEI Forum** and **3 National Roundtables** (Jordan/June 2022, Morocco/October 2022 and Egypt/February 2023)
- Organization of **7 side-events** during the COP27 (https://www.youtube.com/watch?v=J3VZ1Jl-LmA&ab_channel=meetMED-TogetherWeSwitchtoCleanEnergy)
- **Outreach:** participation to the GA of the GlobalABC (Feb. 2022), to the MEFED (Dead Sea, June 2022) the WUF (Katowice, June 2022), to the EUSEW (September 2022), to the REEE UfM Platforms meeting (Barcelona, May 2023)



What comes next?

Upcoming events & activities 2023/2024

EVENTS:

- **GA MEDREG** during the **Beirut Energy Week** (Sept. 22nd, 2023)
- **RCREEE annual event** (Cairo, Oct 4th-6th, 2023)
- **MENA Climate Week** (Oct 10th): “MENA Energy Transition Trilemma: Policies, Finance, and Institutional Implementation Capacities”
- **MED SEI Algeria** (October 26th, 2023)
- **MED SEI Tunisia** (November, 2023)
- **COP28**
- **Twinning Agreements** and North-South **study visits** (from Q4 2023)
- **DC & Appliances study tour** in Madrid (Q4 2023)
- **Appliances scrapping campaign** launching (Q4 2023/2024)

ACTIVITIES:

- **A24 MED’ObservEEER database** implemented and updated in 7 countries + additional thematic workshops
- **A 312 Training on EPCs** by CRES for Palestine stakeholders (Sept 12-13th, 2023) and for Tunisian stakeholders (Oct 18th, 2023) & audits of demo sites.
- **A 313 Onsite audits and Roadmap for improving Water-Energy nexus** (Morocco, Palestine, Jordan)
- **A 314 Selection of schools, Training of auditors and audits in schools** (Algeria, Jordan)
- **A 315** Online webinars and in presence national meetings for **presenting tools for local authorities** (Lebanon, Tunisia)
- **Trainings on EE in Buildings** (development of a new module/MOOC in partnership with ADEME and AFD)
- A 317 Regional **Report on the Potential of District Cooling**
- **Trainings and platform development** for banks and IFIs (ongoing call for experts)

