

ESMES First Energy Hub Meeting

Project Overview -
Lebanon

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June 25th, 2020

Outline

- 1 ESMES Activities in Lebanon
- 2 Progress

Associate Partner



الجمهورية اللبنانية
وزارة التربية والتعليم العالي

**The Ministry of Education and Higher Education
(MEHE)**

Focal Point: Mr. Omar Achour

Role of LCEC



Final Beneficiaries



6
Public Schools



1
Technical School



Students



Schools Staff



Energy
Professionals



Local
Communities

Final Beneficiaries



6

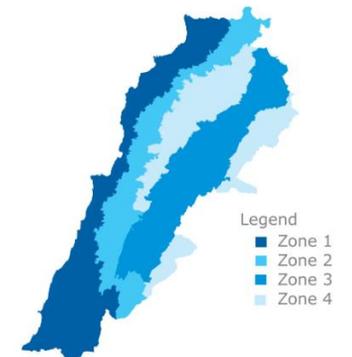
Public Schools

- 1 public school **selected** by the private sector (**ESCO**) through **sub-grant**

New Grant by the ESMES Project: Energy Efficiency in Public Schools

- Co-funded by the European Union (EU) in the framework of ENI CBC Med Program, the ESMES project aims at developing energy efficiency measures in public schools with a number of implementations in different countries, including Lebanon, through innovative, monitoring-based renewable energy and energy efficiency (RE/EE) pilot actions. **An ESMES grant (maximum of 60,000 Euros)** will be dedicated to conduct an energy audit for a public school and to implement energy saving measures. The grant will be channeled to qualified ESCO's working in Lebanon. The call for proposals will be launched and announced soon. Companies interested to join this new call for proposals are requested to apply to the LCEC ESCO qualification process. For more info about the ESMES project, contact Ms. Reem Irany: reem.irany@lcec.org.lb.

- 5 public schools selected by **MEHE/LCEC** based on specific criteria



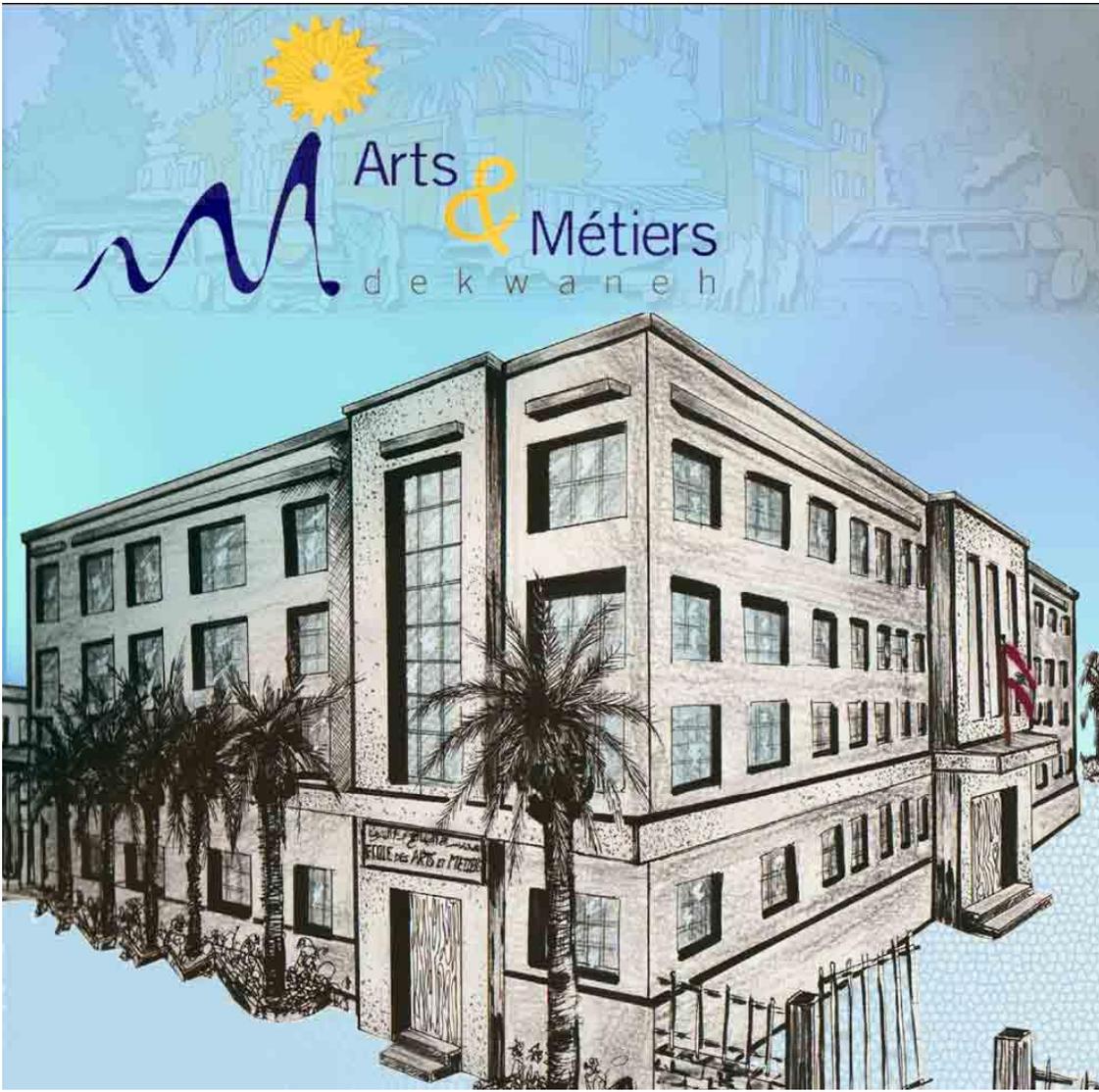
Final Beneficiaries



6
Public Schools



1
Technical School



Final Beneficiaries



6
Public Schools



1
Technical School



Students



Schools Staff

- Energy Teams (Students + Staff)
- Trainings and Awareness Activities
- Contests
- Participation in Events

Final Beneficiaries



6
Public Schools

Energy Audits

Data Acquisition Systems

Monitoring of energy consumption of selected public schools



REEE Measures

Sub-Grant (including all of the above)

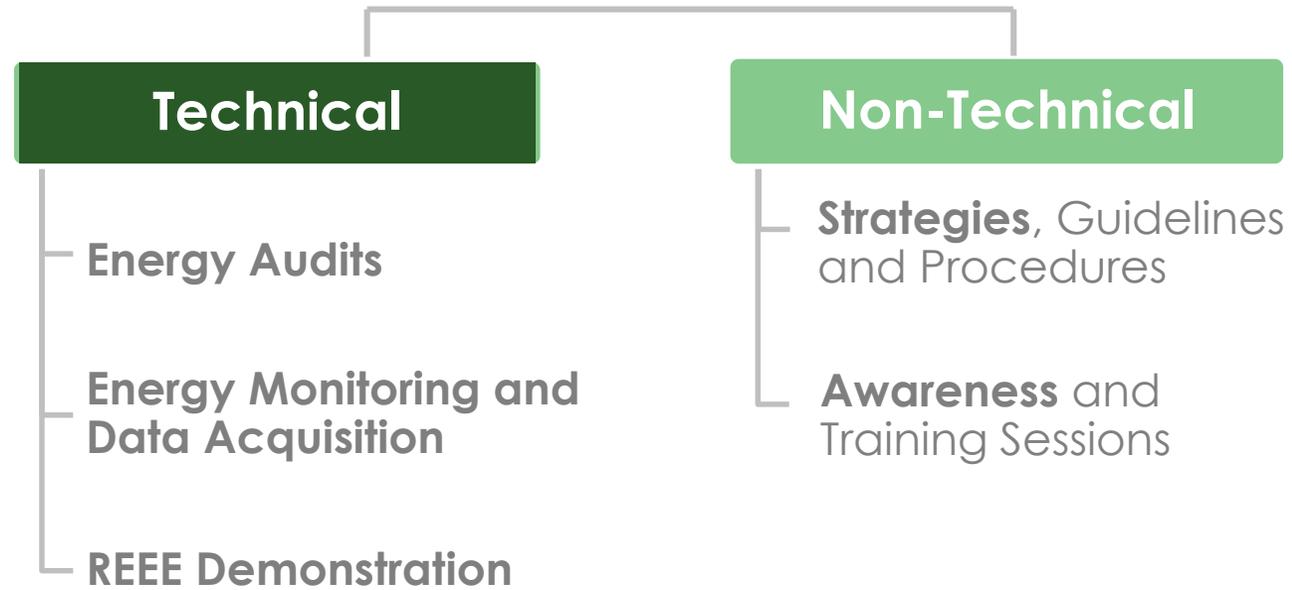


Energy Professionals



Local Communities

Project Components



Project Components

Technical		Activity	Qty	School
Energy Audits		Energy Audits	2	1xTechnical School
		Energy Audits (Sub-Grant)	2	1xPublic School
Energy Monitoring Data Acquisition		Data Acquisition Systems	6	1xTechnical School + 5xPublic Schools
		Data Acquisition Systems (Sub-Grant)	1	1xPublic School
REEE Demonstration		REEE Rehabilitation	1	1xTechnical School
		REEE Rehabilitation (Sub-Grant)	1	1xPublic School
		Total Energy Audits		4
		Total Data Acquisition Systems		7
		Total Pilot Projects		2
		Total Technical Schools		1
		Total Public Schools		6

Project Components - Progress



RFP - Data
Acquisition Systems



RFP - Energy
Audit



RFP - Sub-Grant

Project Components



National Energy Hub



National Energy Hub



Objective:

Develop knowledge and operational **capacities** of **Energy and Education** institutions **to plan, implement and evaluate** energy rehabilitations that are **sustainable, cost-effective** and tailored to public schools buildings

National Energy Hub



Beneficiaries:

Public institutions: strengthen **capacities** in regard to REEE

Energy professionals: develop competences and **widen network on REEE project solutions** – 5 energy hubs + cross-border thematic workshops + Platform

Content:



1 Procedures Tools (common to partners)

- **Administrative procedure** (role and responsibilities of schools actors) in adopting and implementing REEE
- **Investment plan procedure** to shift from single building rehabilitation to distributed intervention approach

2 **Strategies (1 per country)** to achieve suitable energy mix through REEE in public schools

3 **Case Studies (Total 6 for all partners)** based on project outcomes

4 Tools (common to partners)

- **1 decision support** tool: planning best REEE for building types
- **1 implementation** tool: replicating solutions; how to install, operate, maintain REEE, and evaluate performances
- **1 implementation** tool at school level



Thank you!

<http://www.enicbcmmed.eu/projects/esmes>

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