ESMES First Energy Hub Meeting

Project Overview - Lebanon
Outline

1. ESMES Activities in Lebanon
2. Progress
The Ministry of Education and Higher Education (MEHE)

Focal Point: Mr. Omar Achour
Role of LCEC

WP1 Management
WP2 Communication
WP3 Institutional capacity building
WP4 Planning REEE
WP5 Pilot REEE

Coordinated by LCEC
Final Beneficiaries

6 Public Schools
1 Technical School
Students
Schools Staff
Energy Professionals
Local Communities

Energy Hub Meeting - Lebanon
Final Beneficiaries

- 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 LCED ESCO qualification process. For more info about the ESMES project, contact Ms. Reem Irany: reem.irany@lcecc.org.lb

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

Energy Hub Meeting - Lebanon
Final Beneficiaries

6 Public Schools
1 Technical School

Energy Hub Meeting - Lebanon
Final Beneficiaries

- **6 Public Schools**
- **1 Technical School**

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

- **Students**
- **Schools Staff**
Final Beneficiaries

Energy Audits

Data Acquisition Systems
Monitoring of energy consumption of selected public schools

REEE Measures

Sub-Grant (including all of the above)

Energy Hub Meeting - Lebanon
Project Components

Technical
- Energy Audits
- Energy Monitoring and Data Acquisition
- REEE Demonstration

Non-Technical
- Strategies, Guidelines and Procedures
- Awareness and Training Sessions
### Project Components

<table>
<thead>
<tr>
<th>Activity</th>
<th>Qty</th>
<th>School</th>
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</thead>
<tbody>
<tr>
<td>Energy Audits</td>
<td>2</td>
<td>1xTechnical School</td>
</tr>
<tr>
<td>Energy Audits (Sub-Grant)</td>
<td>2</td>
<td>1xPublic School</td>
</tr>
<tr>
<td>Data Acquisition Systems</td>
<td>6</td>
<td>1xTechnical School + 5xPublic Schools</td>
</tr>
<tr>
<td>Data Acquisition Systems (Sub-Grant)</td>
<td>1</td>
<td>1xPublic School</td>
</tr>
<tr>
<td>REEE Rehabilitation</td>
<td>1</td>
<td>1xTechnical School</td>
</tr>
<tr>
<td>REEE Rehabilitation (Sub-Grant)</td>
<td>1</td>
<td>1xPublic School</td>
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</tbody>
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- **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

Technical
- Energy Audits
- Energy Monitoring Data Acquisition
- REEE Demonstration

Non-Technical
- Strategies, Guidelines and Procedures
- Awareness and Training Sessions

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.
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.enicbcmed.eu/projects/esmes