



MAIA-TAQA 



NEWSLETTER

Issue 2

MAIA-TAQA PROJECT

Mobilizing new Areas of Investments And
Together Aiming to Increase Quality of life for All

OUR MISSION

The objective of the **MAIA-TAQA** project is to develop and to promote new innovative resource efficiency services through implementing pilot projects in **3 Mediterranean areas in Egypt, Jordan and Lebanon**.

MISSION

MAIA-TAQA will:

- **Deal** with RE services issues by setting up demonstrators in 3 Mediterranean pilot countries Lebanon, Egypt and Jordan offering innovative services in:



**Wastewater
Treatment**



**Building-Integrated
Photovoltaics
(BIPV)**



**Solar Thermal
Facility**



Microgrids

- **Stimulate** innovation processes and develop solutions for each identified barrier: capacity building programme (for lack of skills); innovation desk (for lack of information); guidelines (for lack of regulation); vouchers (for lack of finance) and targeted B2B events (for lack of specific matchmaking).
- **Promote** innovative RE services in the MED countries through the creation of an enabling environment based on EU-MED networks.

To know more: <http://www.enicbcmed.eu/projects/maia-taqa>

MESSAGE FROM THE PROJECT COORDINATOR (Dr. Christoforos Perakis -CRES)

The Covid-19 pandemic, like all over the world, has created slowdowns in MAIA-TAQA project activities, but despite this, all partners are confident to complete their tasks in the best possible way.

CRES, as the lead beneficiary of the project, supports through daily management and communication all project partners, while it organises and checks the project's work plan according to the fundamental guidelines related to ENI CBC MED Programme procedures.

I would like to thank all project partners for their efforts during the COVID-19 pandemic period and lockdown situation.

MAIA-TAQA PROJECT PARTNERS ARE WORKING TO COMPLETE THE PILOT PROJECTS

In order to avoid delays in the project implementation, technology has been very helpful in this period. Several online technical meetings were organized between the pilot partners IRI, JOCC and CEEBA and the support partners (ASCAME, AAST and QUIPO) and the lead beneficiary (CRES) to carry out reviews on the current project phase and coordinate the setting of the next planned steps.

On the field implementation side, it is expected that with the efforts of the pilot partners and the work carried out despite the obstacles encountered, the start of the execution phase will begin in the early months of 2021 which will allow the project to achieve its first concrete results on the investment made in these Mediterranean countries.

This will provide the opportunity to align with the project objectives, by testing and monitoring the services (micro-grids, photovoltaics, energy storage, solar thermal technologies and waste water treatment and reuse in irrigation) throughout the project time line.

MAIA-TAQA PROJECT THE JORDANIAN PILOT PROJECTS

The Aqaba Chamber of Commerce building was chosen to benefit from the project by installing a solar thermal system for partially covering building cooling needs from the sun.



For the Jordan Chamber of Commerce in Amman, the solution of a building integrated photovoltaic system to partially cover building electricity demand will be adopted.



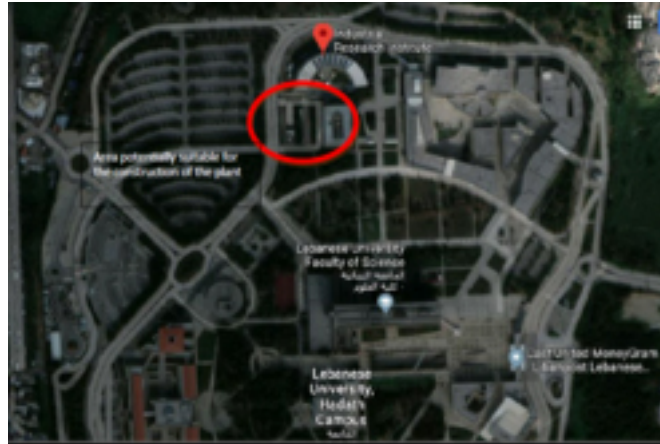
JOCC indicated that, within the framework of the program, and in cooperation with the project partners, a survey will be carried out for the local market to assess resource efficiency services in the (sustainable) energy sector.

As reliance on renewable energy that becomes a global feature and an area for international cooperation and exchange of experiences, a training program will be organized by the Chamber to train the trainers in the (sustainable) energy sector and introduce the technologies used in the energy production project for cooling.

On the pilot project implementation side, **JOCC** signed a contract on September 2020 with the Royal Scientific Society (National Center for Energy Research) for the preparation of the tender documents concerning the Supply, Installation and Commissioning of the Solar Thermal Cooling System to be installed at the Aqaba Chamber of Commerce premises.

The technical study for this system has already been carried out by **CRES**. As for the pilot project in Amman, the technical and financial offers are under way for the structural evaluation of the building façade that will support the new proposed photovoltaic system.

MAIA-TAQA PROJECT **THE LEBANESE PILOT PROJECT**



Lebanon is facing a major challenge with regard to waste water treatment. A huge quantity of waste water is being dumped directly in the Mediterranean sea. This is mainly due to: a poor infrastructure, lack of awareness and obsolete regulations. In the framework of the project, **The Industrial Research Institute (IRI)** will set up an innovative, small-scale pilot waste water treatment plant on the IRI premises at the Lebanese University Campus in Hadat (south of Beirut).

The project aims to demonstrate the effectiveness of new technologies to treat the waste water for irrigation use. The local **MAIA-TAQA** team of experts prepared the terms of reference that include the technical details and the preliminary design of the future plant to be installed.

A call for proposals has been launched in July 2020 and 6 local and international companies showed interest in the project. Two companies were shortlisted, and one company was selected after a final evaluation to conduct the design and control the implementation of the plant.

The work is expected to start in early January 2021.

MAIA-TAQA PROJECT

THE EGYPTIAN PILOT PROJECT



In **Egypt**, the selected site for the pilot is the Ameria Wholesale Market, a commercial site located in Alexandria and covering an area of approximately 40.000 m², with an annual electricity consumption of 163 GWh and a maximum peak load of 103 kW. The installation of a 100 kWp PV plant capable to face a large part of the electricity demand during the day is envisaged. The PV plant is connected to the utility grid and the Market load.

This pilot offers the opportunity to develop services (in terms of consultancy, engineering and operations) involving SMEs with an expected significant growth in light of the expected expansion in the use of renewable sources for electricity generation.

MAIA-TAQA project partner, **CEEBA**, will be soon announcing the launch of the tender contract for the design, installation and commissioning of the on-grid solar system that will be installed in the Egyptian pilot area: The tender will be published in local newspapers as well as on the supplement of the Official Journal of the EU (TED tendering), on the F&T portal: <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home> and the ENI CBC MED website <http://www.enicbcmmed.eu/projects/maia-taqa>

MAIA-TAQA PROJECT

TELE-MEETING

October 2020, Online



Resource and energy efficiency: MAIA-TAQA partners discuss the implementation of pilot projects in Egypt, Lebanon and Jordan.

Due to the COVID-19 restrictions that have been introduced by the partners and the national governments, the 3rd meeting of the **MAIA-TAQA** project was held remotely on October 19, 2020.

[To Know more](#)

MAIA-TAQA PROJECT METHODOLOGY ON THE MARKET ASSESSMENT



During this last semester, **MAIA TAQA**'s partners deployed a strong effort to carry out the implementation of the *Methodology for the market assessment on the different Resource Efficiency Services (RES)* to be implemented by the project.

What partners are involved?

This collective effort involved practically all partners of the project. Mainly, **CRES** (as Lead partner), **QUIPO** (as Leader of this working package), **ASCAME** and **AAST** (leading the technical part of the methodology design and implementation) and of course the three field partners, **CEEBA** (in Egypt), **JOCC** (in Jordan) and **IRI** (in Lebanon), responsible for the field implementation of this methodology for the market assessment of the new RES.

Where is the exercise going to be implemented?

As agreed among partners, every one of the three field partners has to implement two Resource Efficiency Services (RES) in their respective countries. Therefore, the project will launch to the market six innovative RES: a) Wastewater treatment and reuse of treated water in Lebanon (by IRI; b) Solar cooling system and PV installation (building integrated) in Jordan (by JOCC); and Micro grid and PV and storage in Egypt (by CEEBA).

Goals and stage of implementation of the methodology for the market assessment on the RES

The main objective of the methodology for market assessment is to give valuable inputs that allow us to understand the existing market for the new RES that we want to implement in the three pilot countries. With this aim the methodology has been designed in several steps:

- the first step, consists of gathering information on the field about other similar existing services if any and the characteristics of the market as well as the legal framework and regulations, fiscal incentives and national policy on RE to get a picture of the context.
- Once gathered all this information - and analyzed by means of a initial field report and the elaboration of a list of potential stakeholders-, the second step, will consist of the field implementation of a Supply and Demand surveys.
- The statistical analysis of those survey results, will open the third step, consisting of data analysis (with samples that can be extrapolated to the national level for each one of the field pilots) and three final reports (one per field partner) that will allow us to get the size and main characteristics of the real market for the new RES in every one of the three pilot countries.

For the time being, we are at the brink of getting in the second step and expect to finish the final reports in the mid of the 1st semester of 2021.

PARTICIPATION IN EXTERNAL EVENTS

MAIA-TAQA PROJECT HEBA - ONLINE REGIONAL WEBINAR July 2020, Egypt



Invitation:

Regional Webinar on High Level Renewable Energy and Energy Efficiency,
20th July 2020, Egypt (5.00 PM – 7.00 PM)

This webinar marked the inauguration of the series of renewable energy and energy efficiency's events organized by the **Arab Academy for Science, Technology & Maritime Transport** (AASTMT) and **Helwan University** (HU) to enhance national educational programs that focus on renewable energy that would enhance employment opportunities and allow the experience exchange among participants from higher education institutes in Europe.

Referring to **MAIA-TAQA**'s work package 4 which will focus on capacity building for sustainable services, attending the **HEBA** webinar provided (AAST) with information about local experts in the fields of renewable energy who can be potential trainers and assist in the capacity building activities of **MAIA-TAQA**.

[To know more](#)

MAIA-TAQA PROJECT #EU4YOUTH CAMPUS TOUR EDUCATION & YOUTH EMPOWERMENT February 2020, Alexandria



The Campus Tour **#EU4YOUTH** is a regional communication campaign running in seven countries of the Southern Neighborhood region. The theme chosen for the Tour in Egypt is Education and Youth Empowerment, as the EU invests massively in these areas in the country.

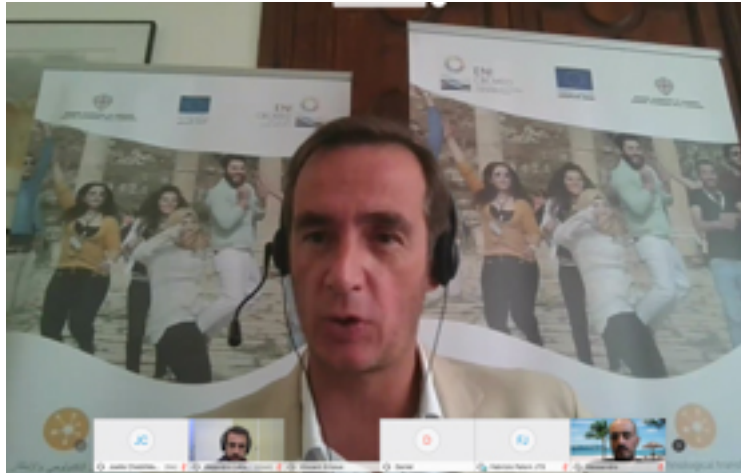
Its aim is to increase awareness and understanding of the EU values and the EU cooperation projects/ programs that empower youth in different fields.

Event outputs:

- Gather, mobilize and connect with students across Egypt
- Announcing EU-funded projects and programmes that focus on youth empowerment.
- Networking with other EU projects and programmes.
- Creating exposure among youth about Maia-Taqa project and the renewable energy by defining a new group of sustainable services related to energy, water and waste.
- Demonstrate the EU's commitment to help build better futures for students/young citizens.

MAIA-TAQA PROJECT
BUILDING A RESILIENT TOURISM SECTOR IN THE COVID-19 ERA
ONLINE EVENT

September 2020, Online



The webinar was held on Monday 28th of September under the title “Building a resilient tourism sector in the COVID-19 era: Challenges and opportunities in the Mediterranean”.

The objective of the event is to discuss the current situation of tourism in the Mediterranean amid the COVID-19 pandemic, how ENI CBC Med projects are addressing this new reality and what could be done to support a sustainable future of the industry.

The webinar took place in the framework of the United Nations World Tourism Day and involved, among others, representatives of the 4 ENI projects dealing with tourism: **CROSSDEV, MEDUSA, Med Pearls, MED GAIMS.**

UPCOMING EVENTS

MAIA-TAQA PROJECT
RENEWABLE ENERGY APPLICATIONS FOR ORGANIC AGRICULTURE

19th of January 2021, Online Webinar



This planned webinar comes as a result of the joint efforts deployed by the Communication teams of **MAIA-TAQA** and **ORGANIC Ecosystem** (being ASCAME partner in both projects) to look for synergies between these two ENI CBC MED projects.

On September 25th, a joint exploratory meeting was held between representatives of the two projects that lead to the setting of several recommendations and lines of action in order to foster the mutual cooperation in RE and Sustainability issues in line with the UNSDG (UN Sustainable Development Goals).

The project representatives also agreed on organizing **a webinar on the 19th of January, 2021 at 5:30 pm** (Lebanon Time) that could benefit cross-border ecosystem.

Among the suggested topics for that webinar:

- a)** Renewable Energy Applications for Organic Agriculture, addressed to develop innovation leading to compete in prices with conventional resources;
- b)** Policy on Energy Use in Conventional and Organic Farming, linking clean energy with healthy organic food production and food processing;
- c)** Discuss on the RES selected in the pilots of the MAIA TAQA project and their potential use in organic agriculture;
- d)** Present main outputs of both projects and their innovation and scalability for the Mediterranean region.

PROJECT PARTNERS



Coordinator
**Centre for Renewable
Energy Sources and Saving**
www.cres.gr



Industrial Research Institute
www.iri.org.lb



**Confederation of Egyptian
European Business
Associations**
www.ceebea.org



QUIPO
www.quipoitalia.it



Jordan Chamber of Commerce
www.jocc.org.jo

غرفة تجارة الأردن
Jordan Chamber of Commerce



**Arab Academy for Science,
Technology
& Maritime Transport**
www.aast.edu

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Arab Academy for Science, Technology & Maritime Transport

To know more about our brochure: <http://www.enicbcmed.eu/projects/maia-taqa>



**Association of the
Mediterranean
Chambers of Commerce and
Industry**

www.ascame.org



UTILITALIA

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ASSOCIATED PARTNERS



الغرفة التجارية البحرية بالمعظمرية
La Chambre de Commerce Egyptienne d'Alexandrie

Alexandria Chamber of Commerce

www.alexcham.org




Greek Solar Industry Association

www.ebhe.gr



**The Lebanese Center
for Energy Conservation**

www.lcec.org.lb



The brochure cover features logos for ENI CBCMED, the European Union, and the Ministry of Education and Religious Affairs. The title 'MAIA-TAQA' is prominently displayed. Below the title, the text reads: 'Mobilizing new Areas of Investments And Together Aiming to increase Quality of life for All.' The central graphic shows a sun with rays, a lightbulb, and circular images of solar panels, a worker, and a wastewater treatment plant. At the bottom, four categories are listed: Wastewater Treatment, BIPV Building-integrated photovoltaics, Solar Thermal Facility, and Microgrids.

To know more about our brochure: <http://www.enicbcmcd.eu/projects/maia-taqa>



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