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MED•GEM
MEDITERRANEAN GREEN ELECTRONS AND MOLECULES
NETWORK

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FACTS

Area covered by Med-GEM:

Algeria, Egypt, Israel, Jordan, Lebanon,
Libya, Morocco, Palestine, Tunisia.

Duration:

30 months (2023-2025)

Team:

Frank WOUTERS

Director - Key Expert 1

Mustapha TAOURI

Key Expert 2

Raya BEN GUIZA VERNIERS

Key Expert 3

Tiziana DE HARLEZ

GIZ Project Manager

Med-GEM in a nutshell

The overall objective of the project is to support the energy transition in the Southern Neighbourhood countries and contribute to overcoming socioeconomic and climate issues in the region.

The specific objective is to create and operate a Mediterranean Green Electrons & Molecules (Med-GEM) Network in the Southern Neighbourhood region by convening dialogue and collaborative activities between key energy stakeholders, in order to facilitate and promote the growth of the GEM industry at regional level.

In particular, the project aim to:

- Accelerate the deployment of renewable power generation,
- Support the elaboration and implementation of policies for the production and trade of Power to X products (hydrogen and derivatives),
- Assess and exploit the potential for biogas, bio-methane and other forms of renewable gas.

In parallel, the Med-GEM project also aim at increasing public awareness on the imperative need for an accelerated clean energy transition (involving civil society organisations).

Purpose of the Med-GEM Project

The Med-GEMs project is expected to provide expertise, analysis and recommendations on a large number of domains, such as (non-exhaustive list):

- **Necessary policy reforms** to boost renewable electricity generation in the region;
- **Assessment of the potential for renewable and low-carbon gas production and trade in the region**, and feasibility of the deployment of various forms of power to gas technologies, as well as bio-gas, bio-methane and synthetic methane;
- **Analysis of the market failures and barriers** (legal and regulatory, administrative, technical, financial) to (public and private) investments in GEMs and proposals to overcome them;
- **Most appropriate financing mechanisms** (already existing or to be created) to enhance access to finance for pilot/demonstration projects;
- **Capacity building of stakeholders** on domains of interest related to GE and GM deployments in the region;
- **Enhanced awareness of populations** on the energy and climate change challenges and opportunities for a *behavioural change*.

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