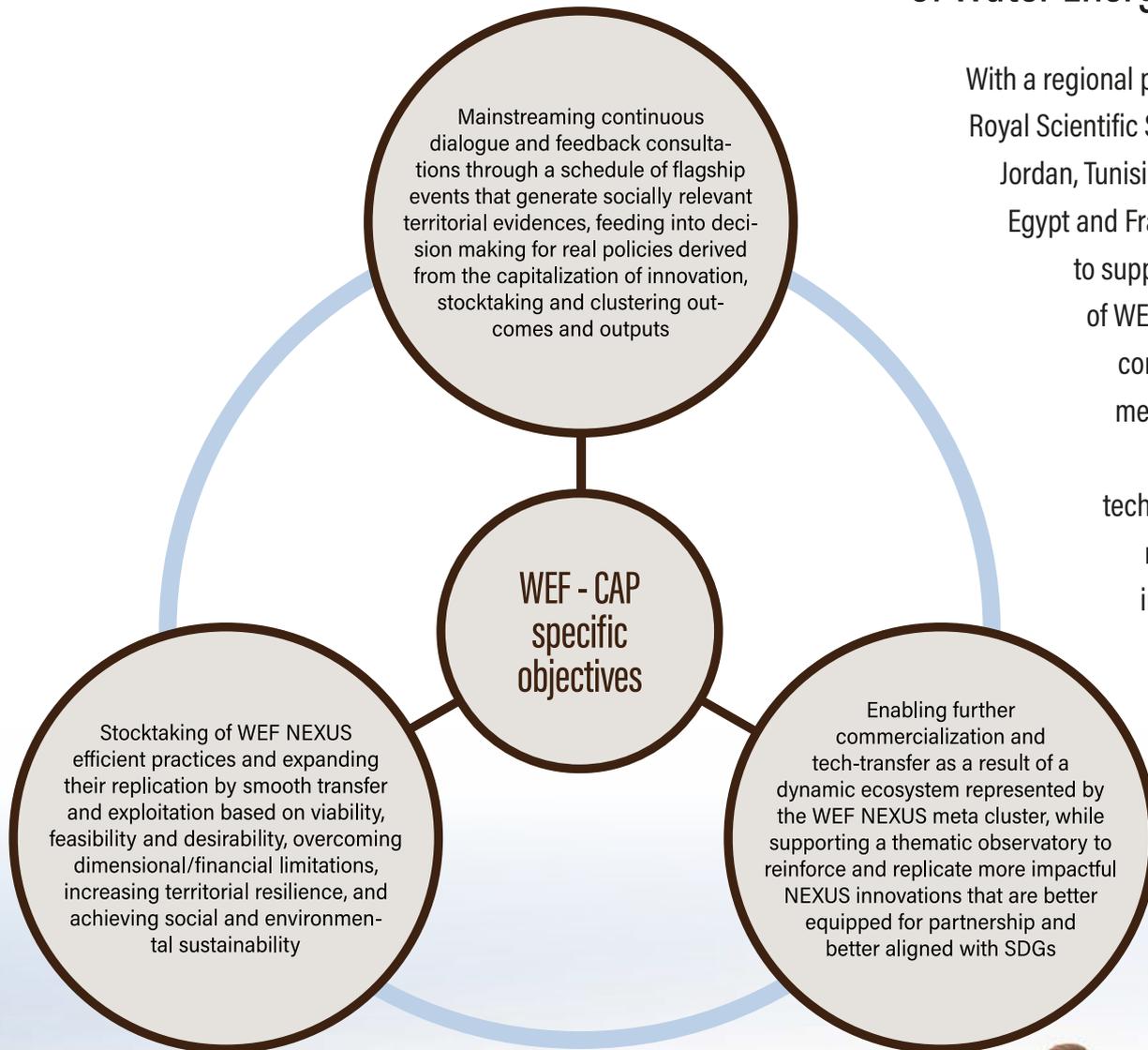


The Technology Transfer and Capitalization of Water Energy Food NEXUS

With a regional partnership led by the Royal Scientific Society and spanning Jordan, Tunisia, Greece, Italy, Spain, Egypt and France, WEF - CAP aims to support the capitalisation of WEF NEXUS practices by consolidating a regional meta cluster that fosters cooperation and technology transfer while mainstreaming policy impact for innovation-driven growth.



WHAT IS CAPITALIZATION

For the purpose of this project, the term capitalization refers to the mobilization of recorded successful practices in WEF NEXUS for further societal impact. This can be achieved through three main avenues:

1. informing practitioners and the general public of success in order to promote exploitation and behavioural change
2. replicating success for wider adoption leading to better resource efficiency,
3. reflecting knowledge gained by successful practice to support relevant policies /policy-making for a top-down change adoption model.

WEF - CAP has identified **9 projects**, along with the experience of the consortium partners, and will adopt one or more of these three approaches towards achieving more capitalization of these projects.

THE PARTNERSHIP

WEF - CAP brings together a strong multinational partnership of specialized institutions



الجمعية العلمية الملكية
Royal Scientific Society
For Jordan, since 1970 • في خدمة الوطن منذ 1970



КАРЕ
CRES



The Royal Scientific Society (RSS), through iPARK, brings in expertise in technology audits, IPR, tech-transfer, startup/SME support and acceleration, capacity building, and engagement.

National Environmental Protection Agency (ANPE) provides environmental policy development, interdepartmental cooperation, promotion of youth employment, training and education, follow up of agreements and implementation, and international workshops organization.

Centre for Renewable Energy Sources and Saving (CRES) provides expertise on the promotion of RES/RUE/ES applications at national/international level, and technological assessment, transfer and commercialization.

University of Catania (UNICT) are experts in social innovation and society engagement, and in dissemination, communication and exploitation management.

Universitat Autònoma de Barcelona (UAB) provide a strong experience in MPC international cooperation, benchmarking, analysis, stocktaking, design thinking and policy makers engagement.

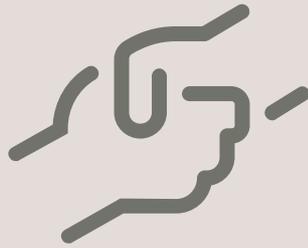
Egyptian Center for Innovation & Technology Development (ECITD) bring to the consortium their expertise in economic studies and assistance, the organization of events and matchmaking, international networking and cooperation, design and implementation of relevant programs, as well as STI strategies, roadmaps, strategic analysis and foresight.

Euro-Mediterranean Forum of Institutes of Economic Sciences (FEMISE) will be leading the policy work with their deep expertise on policy-relevant research for interdisciplinary exchange of NEXUS ideas and platforms for dialogues.



MEET THE PARTNER

A series of interviews to learn more about the faces behind the WEF - CAPs consortium: [read the first interview with Maryse Louis, General Manager of FEMISE](#)



UNIQUE EVENTS PLANNED

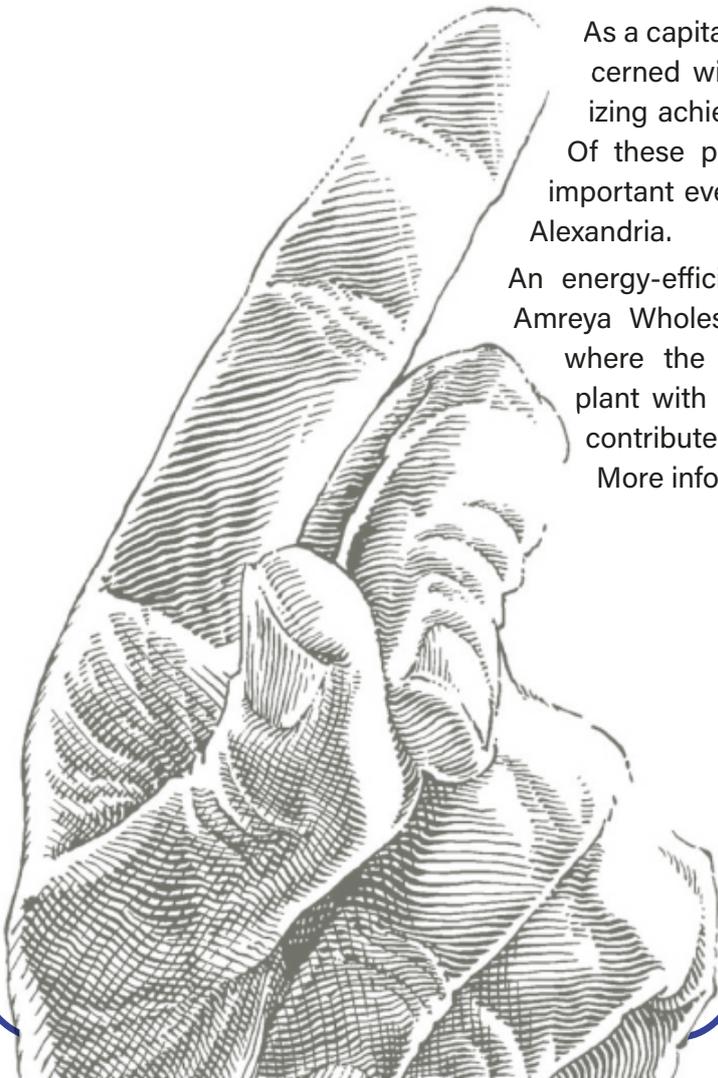
Through Work Package 5, WEF - CAP project will organize a series of capitalization events that are distinct in terms of format and nature, in order to capture a diverse audience of policymakers, clusters, practitioners, and other key stakeholders. Among the events that will be organized over the coming months are:

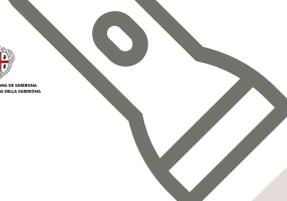
- **3 Capitalisation nights** in Egypt/ Jordan/ Tunisia which will feature: hands-on experiments, science show, debates, researcher's matchmaking, competitions, guided visits linked to WEF Nexus.
- 3 network cafes in Egypt/ Jordan/ Tunisia, where citizens will be invited to engage with NEXUS stakeholders and project partners.
- 3 TEDx events in Egypt/ Jordan/ Tunisia

SYNERGIES AND COLLABORATIONS

As a capitalization project, WEF - CAP is concerned with unlocking synergies and valorizing achievements of other related projects. Of these projects is MAIA-TAQA, where an important event took place in February 2022 in Alexandria.

An energy-efficient pilot was inaugurated at Al Amreya Wholesale market in Alexandria, Egypt, where the pilot was a 100kWp PV power plant with a battery backup system that will contribute to "Greening" the food sector. More info [here](#) and a video [here](#).





HIGHLIGHTS FROM THE WEF -CAP COMMUNITY

THE WIDER CONTEXT MOTIVATING WEF -CAP

By 2050, food imbalance in EU-MPC is forecasted to reach 60%. Sustainable water resources management is closely related to food security as 70% of global freshwater withdrawals are driven by agriculture. Energy plays a key role in producing/distributing food as well as in extracting/treating/supplying water. Climate projections to 2050 reflect an average temperature increase of 2°C, leading to a 5-10% fall in precipitation and more frequent extreme climatic events, potentially halving agricultural production by 2100.

Beyond political uncertainty, generalized economic slowdown, and macroeconomic instability, EU-MPC region also needs societal adaptation to climate change through new cross-sectoral approaches to manage energy/water resources and efficiently produce more food for an increasing population. The region presents unbalanced growth, job deficits, youth unemployment, and acquired skills mismatches. Furthermore, the recent COVID19 pandemic exposed the fragility of supply chains, the importance of localized production, and the importance of investment in and capitalization of key enabling technologies, and the need to foster vulnerable groups.

Based on these realities, the need to foster and capitalize WEF NEXUS innovations is increasingly pivotal for social and economic growth and resilience, and towards better policies for inclusive and sustainable economic and social development.

WEF - CAP was promoted by the project partner **FEMISE** in a number of recent events:

- CMI's (Center for Mediterranean Integration) Youth Regional Workshop on "Water Security Nexus in North Africa: Catalyzing regional coordination around climate change, resilience and migration" (March 1st, 2022)
- CMI's REGIONAL FORUM on WATER SECURITY NEXUS IN NORTH AFRICA; CATALYZING REGIONAL COORDINATION AROUND CLIMATE CHANGE, RESILIENCE AND MIGRATION (march 14 and 15h, 2022)

The project partner **ECITD** organized several policy dialogue workshops in alignment with preparations for COP27 in which WEF-CAP was presented alongside the multilateral preparatory technical workshops. The 27th session of the Conference of the Parties (COP 27) will take place in Sharm El-Sheikh, Egypt, from 7-18 November 2022. Egypt's event is hosted on behalf of Africa, and it aims to highlight innovative interventions that will help close the climate change gap this decade.

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For further **information** and **collaboration** please [Contact us](#) with a brief on your project and activities.

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