

# Towards a Mediterranean WEFE Nexus Community of Practice

PRIMA 2022 Coordination and Support Action



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**WEFE4MED**  
Mediterranean Water, Energy, Food,  
Ecosystems Nexus Community of Practice

1<sup>st</sup> Regional Roundtable on WEFE Nexus in the Mediterranean  
Promoting innovations, investments and upscaling of solutions  
6-7 June 2023, Farah Rabat Hotel, Rabat, Morocco

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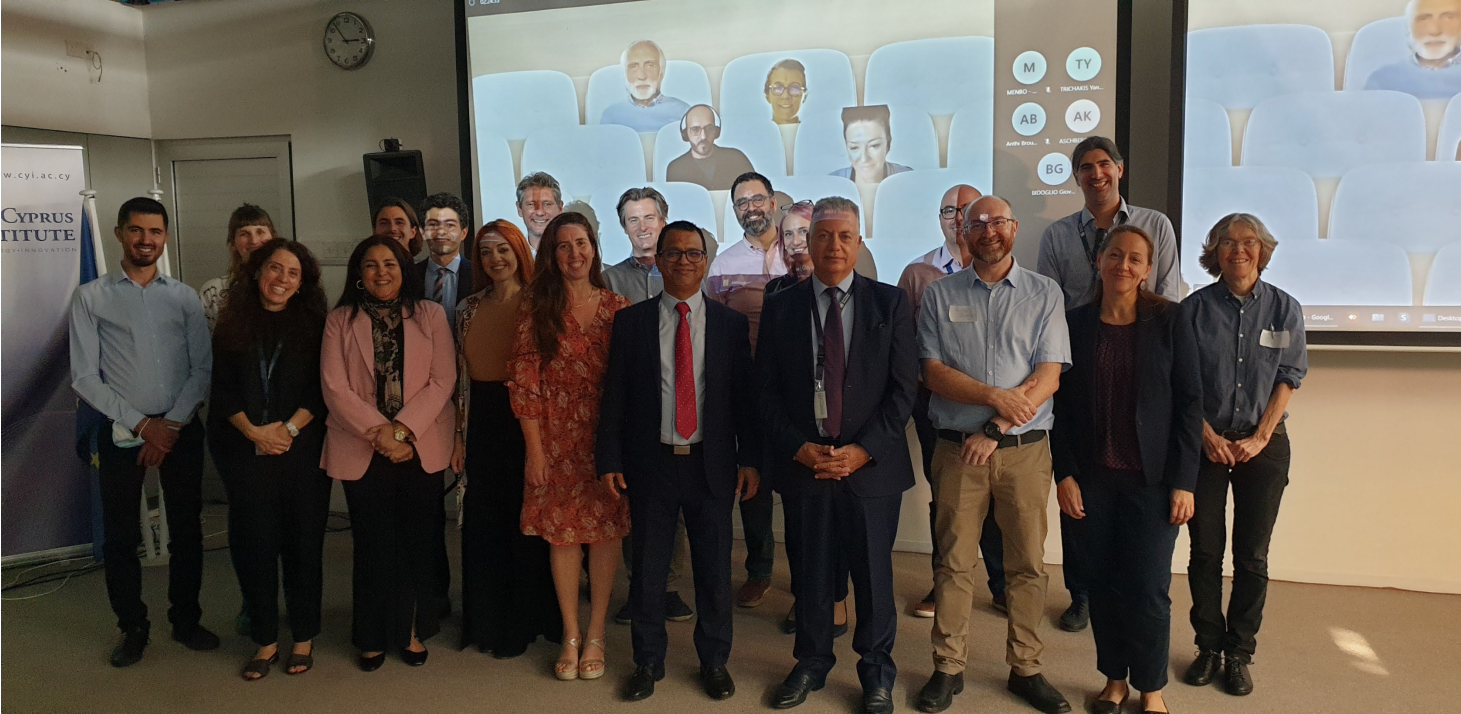
# Consortium Partners



Prof. Fadi Comair

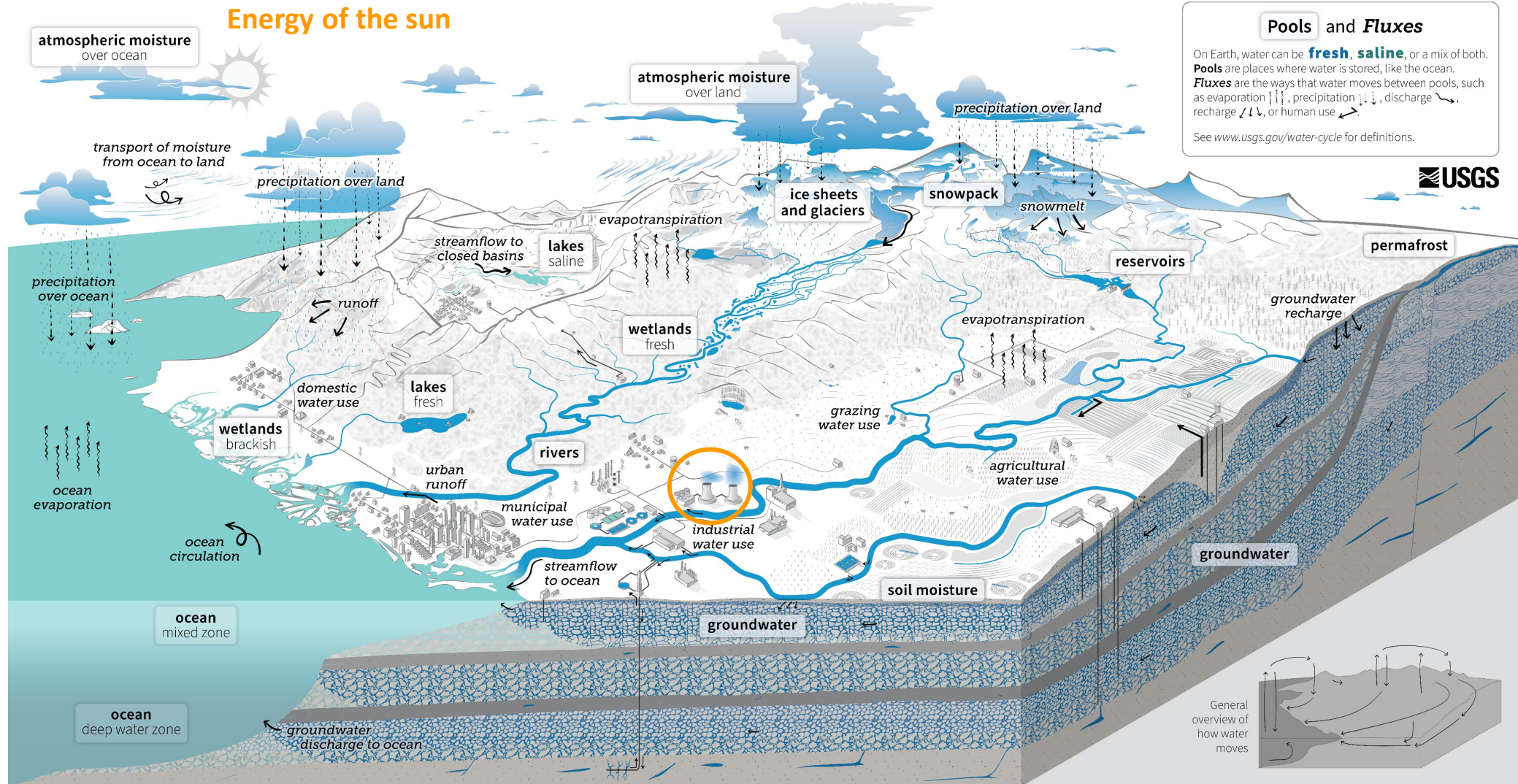








# Water Energy Food Ecosystems Nexus



# WEFE4MED Objectives

## Foster

- Foster adaptation of Water-Energy-Food Ecosystem Nexus approach in the Med through a Nexus Community of Practice: NCOP

## Confront

- Confront the climatic and environmental challenges facing societies and agro-ecological systems

## Bridge

- Bridge together practitioners, scientists, policymakers, civil society, media, entrepreneurs, innovators, and investors

## Facilitate

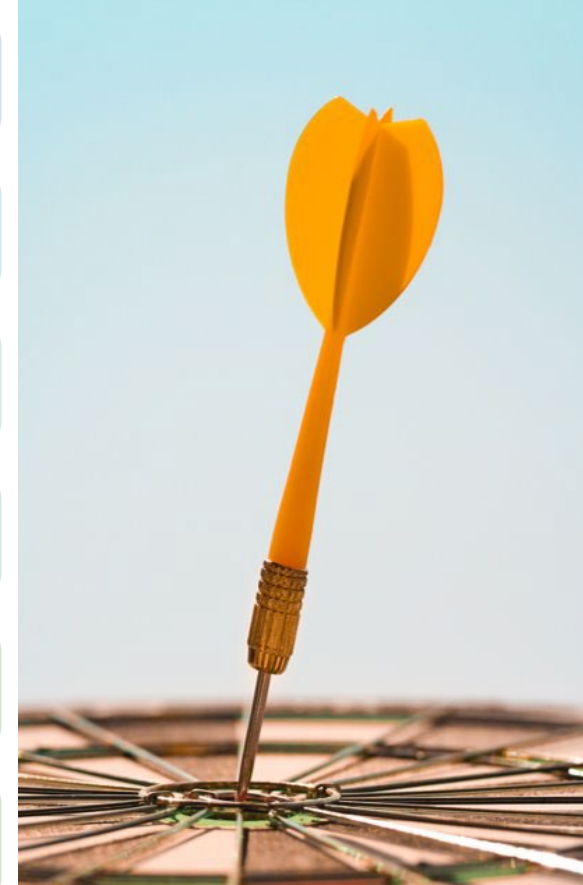
- Facilitate the identification, testing, dissemination and replication of Nexus solutions in the Mediterranean

## Showcase

- Showcase to policymakers and other stakeholders the advantages of Nexus approach using specific case studies

## Promote

- Promote the deployment of regional demonstration sites as laboratories for replication, upscaling and policy design





# What is a Community of Practice?



Photo from Lexie Hain, Lightsource bp  
<https://www.nrel.gov/news/program/2022/growing-plants-power-and-partnerships.html>

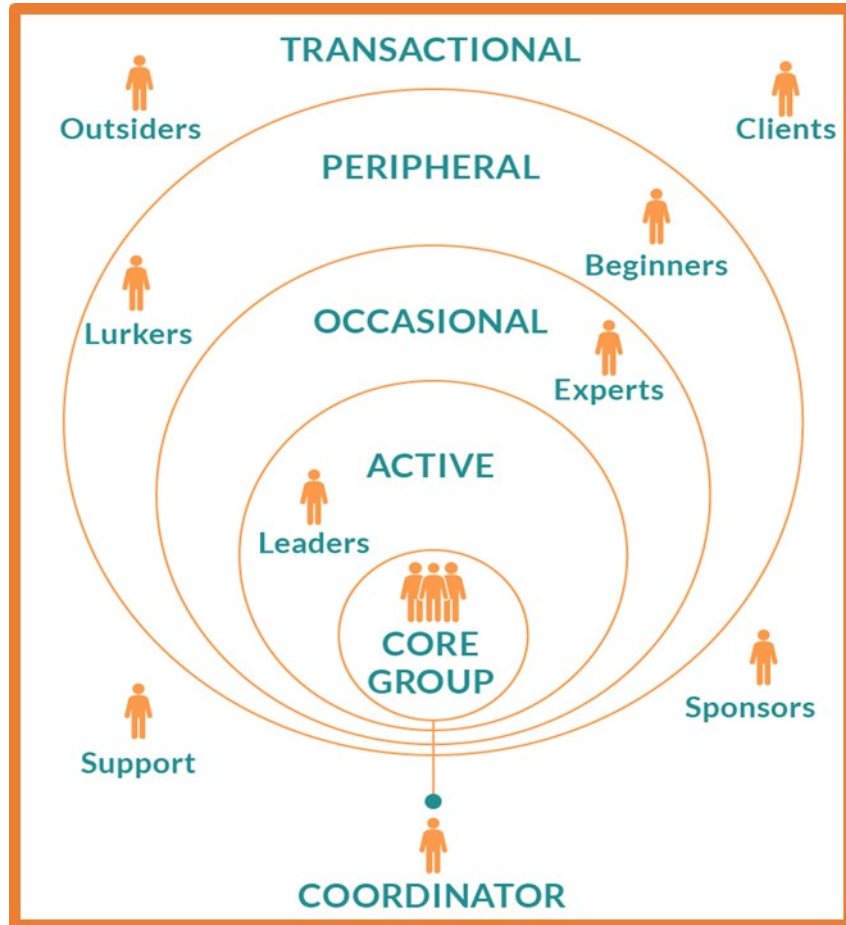
A group of people who engage in a process of collective **learning** in a shared domain: the WEFE Nexus!

Members engage in joint activities and discussions, help each other, and share **knowledge** and information.

Members are **practitioners**: they develop a shared collection of resources: experiences, examples, stories, tools and solutions to problems.

A CoP **connects** people who might otherwise not have the opportunity to interact.

# Who are the members?



**Core team:** organize, nurture and operate the community

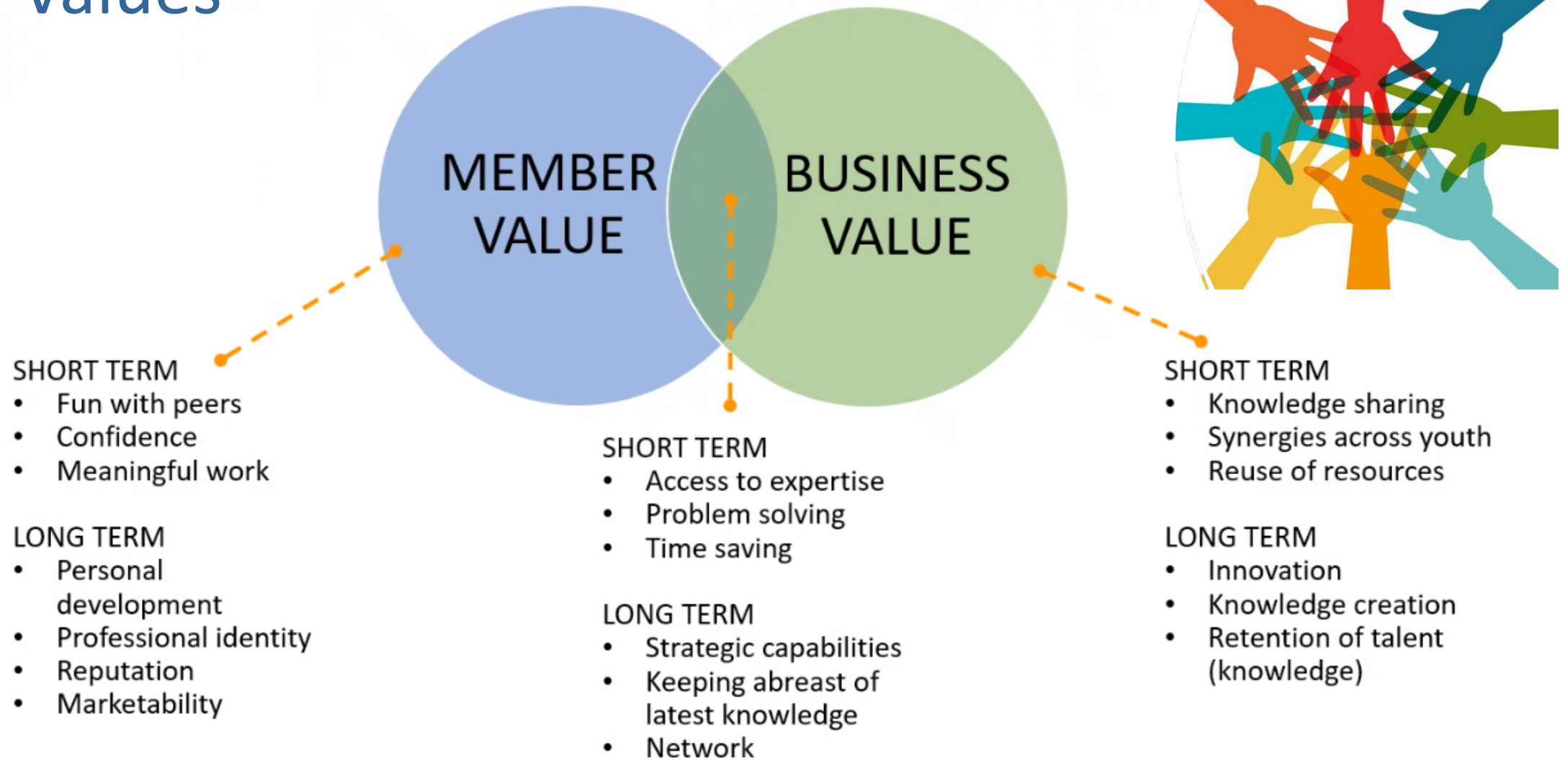
**Active:** help shape and direct the CoP

**Occasional:** participate on selected topics

**Peripheral:** they feel connected, but engage only occasionally

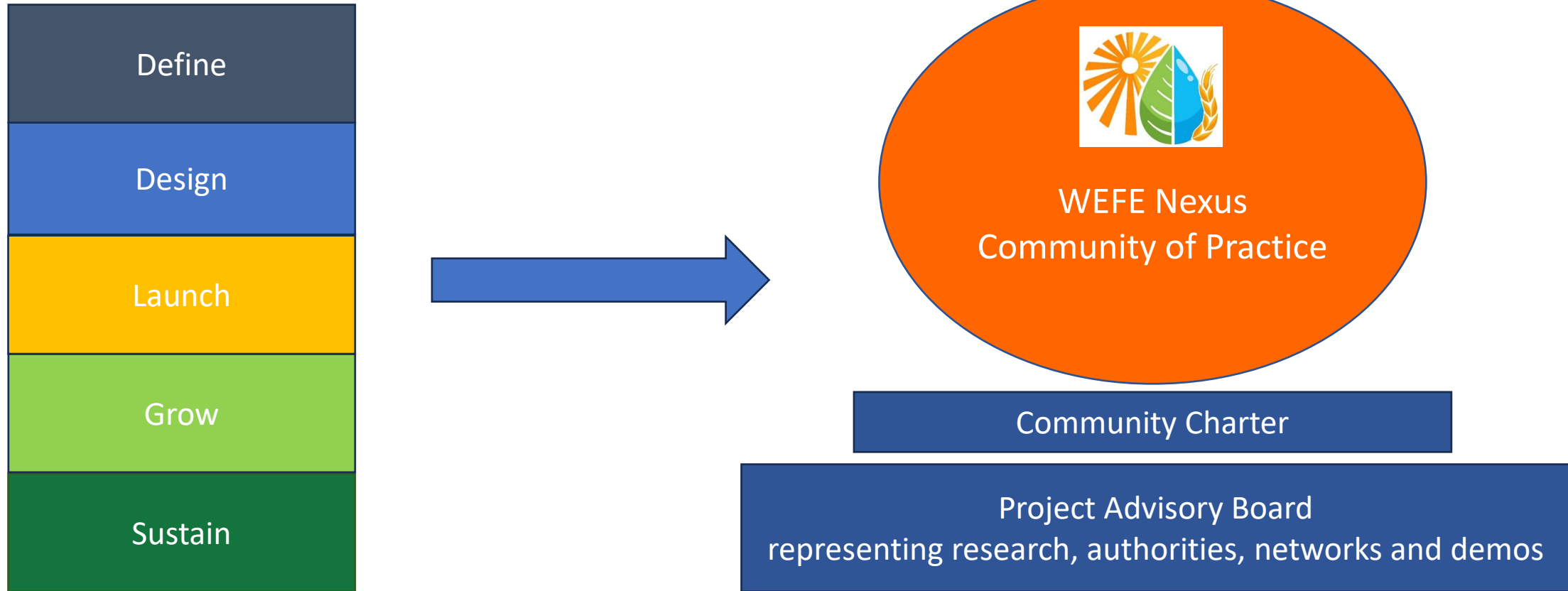
**Transactional:** connect to access resources

# CoP Values





# Creating and sustaining the NCoP



**Official Launch of NCoP – Barcelona, September 2023**

# Developing the WEFE4MED Knowledge Hub



1.1 Identify demos, their best practices and needs



1.2 Stakeholder mapping



1.3 Creation of library of best practices



<https://wefe4med.eu/>

**WEFE4MED Knowledge Hub  
Prelude**





# Nexus Demonstrators

Showcasing concrete demos to enable comparisons, replication, upscaling and advocacy.

Bringing Nexus demonstrators together in a single multi-disciplinary NCoP platform will:



Offer visibility, impact, opportunities for sharing real best practices



Boost knowledge-sharing and transfer



Stimulate collaboration, further adoption and uptake of Nexus solutions at all levels

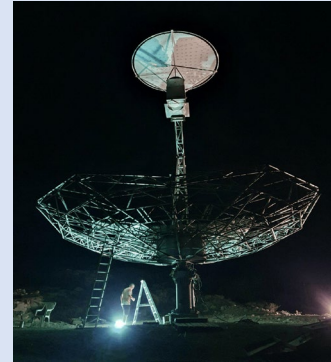
# Nexus Demonstrators



## 1. Cyprus: PROTEAS Facility



An in-house design for testing solar technologies in realistic coastal-island conditions and synergizing electricity production with solar desalination.



## 2. Lebanon: Regen-R8



Blending cutting edge technologies with traditional farming. An AI-enabled platform for on-demand renewable energy that empowers farmers to implement efficient sustainable agriculture practices.



regen-R8



# Nexus Demonstrators



## 3. Malta: National Water Conservation Campaign - Water Be The Change



Delivering an effective educational and awareness raising campaign on the optimized and efficient use of water resources to facilitate a cultural shift in people's behavior towards water conservation on the Maltese Islands.



## 4. Jordan: Technical Solutions for Sustainable Agriculture



An applied WEF4MED Nexus technical intervention reusing treated wastewater for irrigation in three farms, after its tertiary treatment through constructed wetlands, with solar energy and climate-resilient planting.



# Communication and Dissemination: Stakeholders and Target Groups





# WEFE4MED KPI'S



Degree of integration between water-related policies, such as environmental, climate, agriculture and energy policies.



Number of stakeholders involved in the NCop



Number of nexus demonstration cases actively engaged in the NCop



Overall satisfaction index of NCOP members



Communications metrics

# Contribution to the SDG's



Join the WEFE4MED CoP!

<https://wefe4med.eu/>



THANK YOU

Fadi Comair  
Zoyia Konstantopoulou  
Christos Zoumides  
*Elias Giannakis*  
*Nicolas Jarraud*  
& WEFE4MED consortium



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