

Highlights from key events

5th Istanbul International Water Forum 5 – 6 May 2026 | Istanbul, Turkey



During the 5th Istanbul International Water Forum, where policymakers, international organizations, researchers, and water experts gathered to address the future of water security and sustainable development in the Mediterranean. The forum provided an important platform for strengthening regional dialogue on integrated water resources management and advancing collaborative solutions to shared water challenges.

Discussions throughout the event reinforced the importance of cross-border cooperation, innovation, and knowledge exchange in addressing the interconnected Water-Energy-Food-Ecosystems (WEFE) Nexus. By bringing together diverse stakeholders, the forum contributed to building stronger partnerships and accelerating sustainable water governance across the region.

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WEFE4MED Twinning Activity 2 – 5 June, 2026 | Málaga, Spain



In June, WEFE4MED successfully brought together participants from Egypt, Morocco, and Tunisia for a Twinning Activity hosted by BIOAZUL in Málaga, Spain. Through technical site visits and interactive exchanges, participants explored innovative approaches to water resilience, agritech, hydroponics, organic agriculture, Nature-Based Solutions, and Water-Oriented Living Labs, gaining first-hand experience with practical WEFE Nexus solutions implemented in southern Spain.

The programme fostered peer-to-peer learning and regional collaboration, enabling participants to exchange experiences, strengthen professional networks, and identify opportunities for adapting successful practices within their own countries. By connecting practitioners and innovators from across the Mediterranean, the activity further reinforced WEFE4MED's commitment to promoting sustainable and transferable Nexus solutions.

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3rd Webinar on AI-Driven Digital Water Systems: AI-driven analytics and decision support 2 July, 2026 | Online



WEFE4MED contributed to the 3rd Webinar on AI-Driven Digital Water Systems, bringing together policymakers, researchers, water professionals, and practitioners to explore how Artificial Intelligence, Earth Observation, GIS, and cloud-based technologies are transforming water resources management across the Mediterranean.

The webinar showcased practical applications of AI-powered analytics and digital decision-support tools that enhance water monitoring, strengthen climate resilience, and support integrated WEFE Nexus governance. Organized through a regional collaboration involving the Union for the Mediterranean, GWP-Med, PRIMA Partnership, and several technical partners, the event highlighted the growing role of digital innovation in building smarter and more resilient water systems.

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Training and Knowledge Sharing

Internship program Spotlight – Interview with Roos Donkers



This edition shines a spotlight on Roos Donkers, who recently completed her internship with the WEFE4MED Community of Practice. During her placement, Roos contributed to stakeholder engagement, capacity development, demonstrator reviews, and Community of Practice growth, while conducting research for her bachelor's thesis on Best Management Practices (BMPs) within the WEFE Nexus.

Drawing on the analysis of more than 50 WEFE Nexus demonstrator sites and interviews with practitioners across the Mediterranean, her research developed a practical framework to help define effective WEFE Nexus BMPs. Reflecting on her experience, Roos highlighted how working with experts and communities across the region strengthened her understanding of systems thinking, stakeholder collaboration, and the importance of translating research into real-world solutions.

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Online Course on The NEXUS WEFE

The WEFE4MED Online Course on the WEFE Nexus offers a self-paced learning programme designed to introduce participants to the core principles. The modules are now also available in French, broadening access to the training across the Mediterranean region. practical applications, and policy dimensions of the Water-Energy-Food-Ecosystems (WEFE) Nexus. Completion of the course is a mandatory prerequisite for participants joining the WEFE4MED Summer Schools, ensuring that all attendees share a common understanding of Nexus concepts before engaging in the programme's interactive workshops and field activities. The course is open to professionals, researchers, and students seeking to build their knowledge and contribute to sustainable resource management across the Mediterranean.


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Spotlight on Demos

PigmentOCO

OCEAN CONSCIOUS TEXTILES

Sustainable Cotton Dyeing Demonstrator Eliminating Water Use And Wastewater In MENA

Textile dyeing in the Mediterranean region consumes enormous volumes of freshwater and generates highly polluting wastewater, creating pressure on already scarce water resources and surrounding ecosystems. Our demonstrator introduces a supercritical CO₂ water-free dyeing process that removes the need for water, dyes, salts, and chemical effluent. The project aims to validate this technology at pilot scale by working with local dyehouses to replace multi-stage aqueous dyeing with a single, closed-loop CO₂ process. Initial results show %100 water savings, zero wastewater discharge, and %40–30 lower energy use. This demonstrates a practical WEFE-aligned solution that can ease regional water stress while enabling cleaner and more efficient textile production.

City	Country	Start year	Focal Point
Tunis	Tunisia	2024	
Total funding 10 - 100k €			
Acknowledgement of funding source This demonstrator is supported by the Tunisian Ministry of Higher Education and Scientific Research, through public funding dedicated to research, development, and innovation, in collaboration with academic research partners. (Holder of VRR program 2024)			
Nexus Dimensions Energy Water Ecosystems			
SDGs 6 9 12 13 17			
Scores Environmental: ●●●●● Social: ●●●●● Technological: ●●●●● Financial: ●●●●○ Institutional: ●●●●●			
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SCAN ME

Kadry GROUP

AI/Nanotech Enabled Circular Eco-Poultry Feed from Herbal Waste for Sustainable Food Security and Climate-Smart Agriculture in the Mediterranean-Kadry Group

Kadry Group is an agri-tech aiming to apply scientific research into agriculture industry with merging new technologies through innovative, sustainable and Eco-friendly solutions to solve problems related to food security, waste management, animal health and climate change. From this point, we created new, ecofriendly poultry feed additives from herbs wastes, it acts as feed replacement up to %10–3 and helps to increase their growth up to %50. In addition, elevation their immunity and decrease carbon emission in poultry farm which provides feed loss and increase breeders' income. Our product manufactured by clean, new and promising merged technology from Nano-Tech, AI, and IoT

City	Country	Start year	Focal Point
Fayoum	Egypt	2021	
Total funding <10k €			
Acknowledgement of funding source Through our journey we get accept in many programs worldwide like UNDP and Flat4zero, European Union in cooperation with Gesr, Go zero in Spain, She Entrepreneur in Sweden, plug and play Egypt, Owissal in Germany, CGAIR, Sisufactory in Finland, ICADRA			
Nexus Dimensions Energy Food Ecosystems			
SDGs 1 2 3 5 7 8 9 10 11 12 13 14 15 17			
Scores Environmental: ●●●○● Social: ●●●●● Technological: ●●●●○ Financial: ●●●●○ Institutional: ●●○○○			
www.kadry-group.com			



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Learn about WEFE4MED and Join the NCoP

The PRIMA-supported WEFE4MED project (2026–20222) aims to foster the adoption of a WEFE (Water-Energy-Food-Ecosystems) Nexus approach to confront the climatic and environmental challenges facing societies and agro-ecological systems, through a Nexus Community of Practice (NCoP).

Committed to co-creating an inclusive, diverse and participatory platform for collaborative work, the Med NCoP connects scientists, policymakers, practitioners, entrepreneurs and innovators to exchange knowledge and drive innovation in WEFE solutions, with emphasis on tangibles for the benefit of all people and countries across the Mediterranean.

Its Knowledge Hub provides a space for sharing demonstration cases, events, resources and opportunities to strengthen Nexus collaboration.



scan to join and access resources

www.wefe4med.eu

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Upcoming events and opportunities

For full access on the events and opportunities, please check the knowledge Hub link: www.wefe4med.eu/wefe/events



Apply Now



INTERNATIONAL EXPERTS: Learn from leading WEFE Nexus experts. PRACTICAL LEARNING: Case studies, exercises, field activities & more. NETWORKING: Connect with peers and practitioners across the region. COMMUNITY: Join the WEFE4MED Community of Practice.

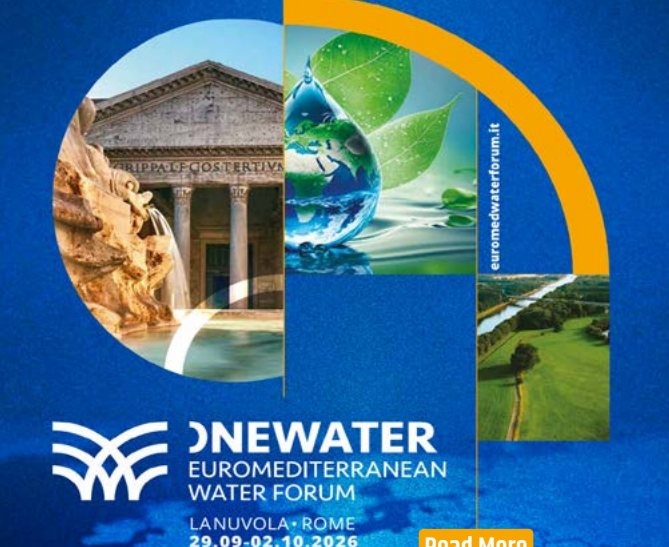


REGISTER:



This side event is organized within the conference Tropentag 2026

An initiative led by Harun ÇİÇEK (FBL, TRANSFORMED project)



WEFE4MED SIDE EVENT
The Mediterranean WEFE Nexus Community of Practice: A catalyst for integrated natural resources management and climate resilience
The Mediterranean region is home to an increasing number of WEFE-related initiatives, demonstrators, research projects and policy processes that seek to address interconnected challenges related to water, energy, food and ecosystems. Through the PRIMA-funded WEFE4MED project (2022–2026), a regional platform (Mediterranean WEFE Nexus Community of Practice - NCoP) has been developed to further promote exchange, visibility and collaboration among diverse stakeholders working in this field. This session will serve as the concluding event of WEFE4MED bringing together the NCoP, policymakers, practitioners, demonstrator leaders, researchers, funding institutions and other stakeholders to reflect on lessons learned from WEFE Nexus implementation across the region and to discuss future pathways for scaling impact beyond individual projects and initiatives. Building on this collective experience, the session will showcase selected demonstrator cases and practical examples of WEFE Nexus implementation. Particular attention will be given to lessons learned, replication and upscaling potential and the opportunities and barriers for wider uptake of WEFE approaches. Importantly, the session will contribute to the ongoing consultation process for the elaboration of the Action Framework for the Strategy for the Water-Energy-Food-Ecosystems Nexus in the Mediterranean Source to Sea Continuum. The Strategy is expected to catalyse a shift from 'Nexus thinking' to 'Nexus doing', by enhancing the integration of policy and management frameworks and instruments across sectors and spatial domains in the Mediterranean Region, to address WEFE-related security risks and by promoting the leveraging of necessary funding. Looking ahead, the session will explore how communities of practice, knowledge-sharing mechanisms, policy support, financing opportunities and regional cooperation can help move the WEFE Nexus beyond individual projects and pilot initiatives, in alignment and synergy with related regional/sub-regional political frameworks. It will also reflect on how lessons emerging from WEFE Nexus implementation can contribute to policy, investment and cooperation processes across the Mediterranean.

Partners



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