



WES-BCA
Water and Environment Support -
Biodiversity and Climate Action
in the Neighbourhood South region



Funded by
the European Union

WES-BCA Regional Training & Study Tour

“Adaptation measures for flood and storm water management”

21-24 April 2026, Nice, France





WES-BCA Training & Study Tour

C1_REG-6 : “Adaptation measures for flood and storm water management”

21-24 April 2026, Nice, France

Introduction to the activity

Presented by: Suzan TAHA, Water Key Expert, WES-BCA

WES-BCA in a snapshot



- The EU funded “Water and Environment Support-Biodiversity and Climate Action (WES-BCA) in the Neighbourhood South region” project aims to improve the protection of the environment, the restoration of biodiversity and the management of scarce water resources, while enhancing the resilience to climate change in the Mediterranean region, strengthening the formulation and enforcement of the relevant policies of the Partner Countries and the two regional political frameworks, namely the Union for the Mediterranean (UfM) and the Barcelona Convention.
- It strives to enhance the capacity of relevant stakeholders to support them in formulating and or implementing policies in the issues mentioned above.
- It is meant to raise awareness, increase knowledge and improve public understanding, stimulating behavioural changes needed for appropriate climate action and environmental protection.
- WES-BCA is the continuation of the WES project and therefore capitalises on the experience of previous successful EU funded regional projects (WES, SWIM-H2020 SM, SWIM SM, Horizon 2020 CB/MEP).

WES-BCA Components

The project will be implemented through **two** complementary, closely related and mutually supportive **Components**:

- **Component I** - focusing on Water, Biodiversity and Environment.
- **Topics Addressed**

Topic 1: Prevention & reduction of pollution (urban and industrial solid waste)

Topic 2: Curbing Plastic Pollution & Marine Litter

Topic 3: Promoting the Water-Energy-Food-Ecosystems (WEFE) Nexus approach

Topic 4: Water Efficiency

Topic 5: Climate Change mitigation and adaptation actions

WES-BCA Components



- **Component II - focusing on Communication and Outreach**

Under Component II, the project aims to raise awareness and improve understanding by the general public (and specific segments of the population), including youth and women, stimulating adoption of appropriate behaviours and attitudes towards improved Climate Action and effective Environmental Protection.

WES-BCA Identity



Partner Countries: 8 Countries in North Africa and the Middle East



Duration: November 2024 - November 2027



Budget: 7.000.000 Euros



Team Leader: Professor Michael Scoulllos, scoulllos@wes-med.eu

Environment Key Expert: Mr Anis Ismail, a.ismail@wes-med.eu

Water Key Expert: Ms Suzan Taha, taha@wes-med.eu

Communication Key Expert: Ms Lisa Papadogeorgaki, lpa@ldk.gr

WES-BCA Consortium



LDK CONSULTANTS S.A. (Leader)



Arab Network for Environment and Development (RAED)



Association of Cities and Regions for Sustainable Resource Management (ACR+)



Mediterranean Agronomic Institute of Bari (CIHEAM Bari)

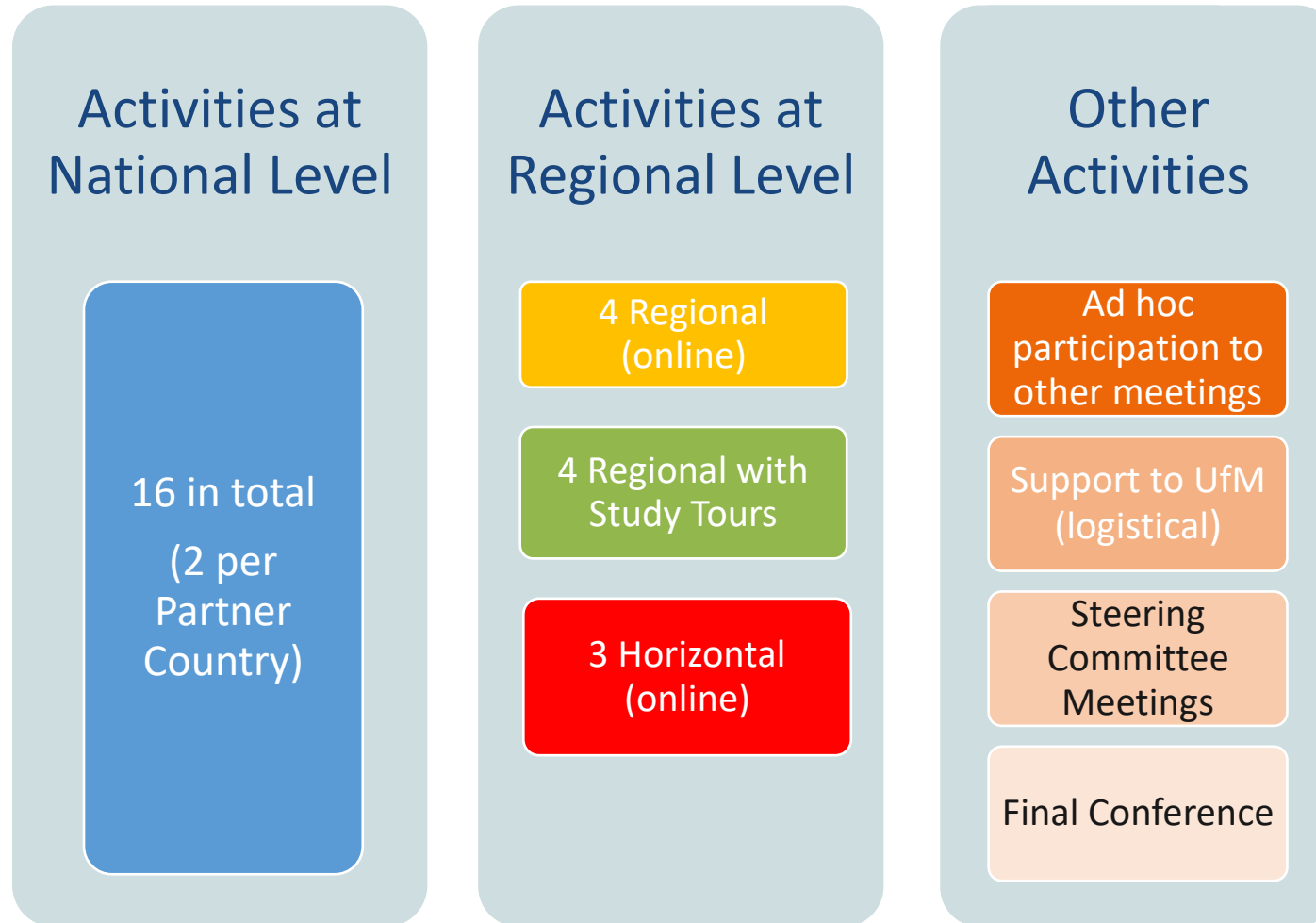


Mediterranean Information Office for Environment, Culture and Sustainable Development (MIO-ECSDE)



MedWaves, the Regional Activity Centre of UNEP/Map for Sustainable Consumption and Production

Expected outputs of Component I on capacity building and technical assistance on water, biodiversity and environment



Workplan for activities under Topics 3, 4 and 5

Regional and Horizontal Activities



Country	Code	Topic	Activity
Regional (Training & Study Tour)	C1_REG/ST-5	Topic 3: WEFE Nexus	WEFE Nexus BPs in Agriculture - Learning from practical approaches of Northern Mediterranean countries
Regional (Training & Study Tour)	C1_REG/ST-6	Topic 5: Climate Change mitigation and adaptation actions Topic 3: WEFE Nexus	Adaptation measures for floods and storms management
Regional (online)	C1_REG-7	Topic 5: Climate Change mitigation and adaptation actions	Assess BAT for WWTR incl. evaluating the feasibility of integrating different RE options with various WWT technologies & providing guidelines for integrating RE with WWTPs
Regional (online)	C1_REG-8	Topic 5: Climate Change mitigation and adaptation	Climate-resilient planning and practices in agriculture including efficient water management techniques to help equip irrigation managers/ extension officers/WUAs with the knowledge and skills to adapt to CC impacts
Horizontal (online)	C1_HOR-1	Topic 3: WEFE Nexus	Demonstrating the implementation of the WEFE strategy at national level
Horizontal (online)	C1_HOR-2	Topic 5: Climate Change mitigation and adaptation	Climate Change adaptation in the Mediterranean coastal area: catalysing financing/the role of the private sector

Introducing the Activity – Adaptation measures for flood and storm water management (C1_REG/ST-6)

- Regional training + study tour to support capacity building and knowledge exchange, addressing:
 - Topic 5: **Climate Change mitigation** and adaptation actions and closely **linked to Topic 3: WEFE Nexus**
- Focus on flood and stormwater management under Mediterranean conditions
- Addresses increasing risks from:
 - More frequent floods, flash floods and extreme rainfall
 - Combined pressures of water scarcity and urbanization → increased runoff and reduced natural infiltration
- Promotes integrated adaptation approaches:
 - Engineering measures (e.g. retention/detention systems)
 - Nature-Based Solutions (NBS) (e.g. wetlands, green infrastructure)
 - Hybrid approaches combining both
- Contributes to:
 - Improved resilience to climate change
 - Better use of stormwater as a resource (NCWR)
 - WEFE Nexus approach (water–energy–food–ecosystems)

Overview of the activity

Task 1 – Desk Study & Technical Review

- Review of:
 - International frameworks for flood risk and stormwater management (IFM, APFM, EU Floods Directive)
 - Planning approaches & analytical methods
 - Tools & models for hydrological analysis
- Development of a typology of measures: Engineering, NBS and Hybrid
- Compilation of **Mediterranean examples**

Task 2 – Development of Guidelines

- Guidance on decision-making and implementation considerations for flood and stormwater adaptation measures.
- Structured by:
 - Application areas (urban, river basin, coastal)
 - Type of measures
- Focusing on:
 - Implementation conditions
 - Costs (qualitative)
 - O&M and institutional aspects

Overview of the activity

Task 3 – Regional Training & Study Tour

- 4-day event (Nice, France), involving a combination of:
 - Training sessions
 - Case studies
 - Field visits
- Validation and refinement of Guidelines

Strong emphasis on practical applicability and peer learning

Objectives of the workshop



- Strengthen capacity of Partner Countries to plan, prioritise and implement flood and stormwater adaptation measures .

Specific Objectives

- Understand key international frameworks for flood risk and stormwater management (IFM, APFM, EU FD)
- Apply planning and analytical approaches to assess and prioritise adaptation options (risk mapping, multi-criteria analysis, cost–benefit reasoning, WEF Nexus-based assessment)
- Become familiar with tools & software used for hydrological analysis, flood-risk assessment & stormwater planning
- Present the typology of engineering, Nature-Based and hybrid flood-adaptation measures, including their key functions and typical application contexts
- Discuss key implementation considerations for applying flood and stormwater adaptation measures in practice (conditions, costs, O&M, institutional aspects)
- Strengthen capacity to plan and prioritise adaptation measures in national and local contexts
- Exchange experience and lessons learned with peers and practitioners

- Provide feedback to validate and improve the Guidelines

General Assessment Quiz



<https://forms.gle/bpaZCkULMWDaju7n8>



WES-BCA
Water and Environment Support -
Biodiversity and Climate Action
in the Neighbourhood South region

Thank you for your attention!