

1st Multi-stakeholders Consultation Meeting on the Water-Energy-Food-Ecosystems Nexus in lebanon

The Nexus "Child Project" under the GEF **UNEP** "MedProgramme"

> Presented by Barbara Tomassini **GWP-Med**























# The GEF/UNEP MAP Mediterranean Sea Programme: Enhancing Environmental Security

It implements priority actions to reduce major transboundary environmental stresses in Mediterranean coastal areas while strengthening climate resilience and water security and improving the health and livelihoods of coastal populations.

It is the first GEF programmatic multi-focal area initiative: International Waters, Biodiversity, Chemicals and Waste, and Climate Change and involves a wide spectrum of developmental and societal sectors

The beneficiary Mediterranean countries: Albania, Algeria, Bosnia and Herzegovina, Egypt, **Lebanon**, Libya, Montenegro, Morocco and Tunisia

Eight complementary Child Projects, each with a specific Focus





# Scope of the Nexus Child Project (CP 2.2)

- To contribute to ICZM planning (under CP 2.1) following the source-to-sea approach that allows:
  - to recognize pressures on the coastal area due to upstream causes
  - to identify interlinkages in policy/thematic areas of priority and key crosssectoral actions that produce positive synergistic effects in solving the root causes of degradation
- To enhance sectoral integration resulting in improved design and applicability of related policies
- To introduce practical assessment and consultation approaches related to nexus aiming to link these with investment development





#### Two levels of interventions

#### Regional: Mediterranean

- Nexus Dialogue
- Capacity Building
- Stakeholders
   Engagement

Albania
Algeria
Bosnia and Herzegovina
Egypt
Lebanon

Libya Montenegro Morocco Tunisia

#### National/Sub-National

- Nexus Assessment
- Strategy / Action Plan
- Demonstration Projects
- Investments identified / facilitated

Albania (National level)

Lebanon (National level)

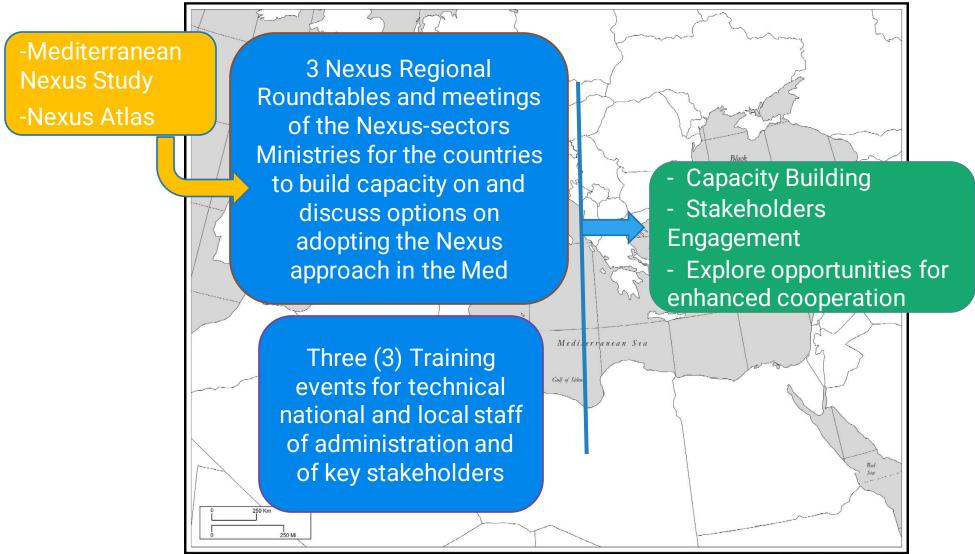
Morocco (Regional level)





# Component 1: Institutional Strengthening

**MEDITERRANEAN** 







# Component 2: National / Sub-National

Main objective: Application of the Nexus approach to enhance integrated policy making, dialogue and management in:

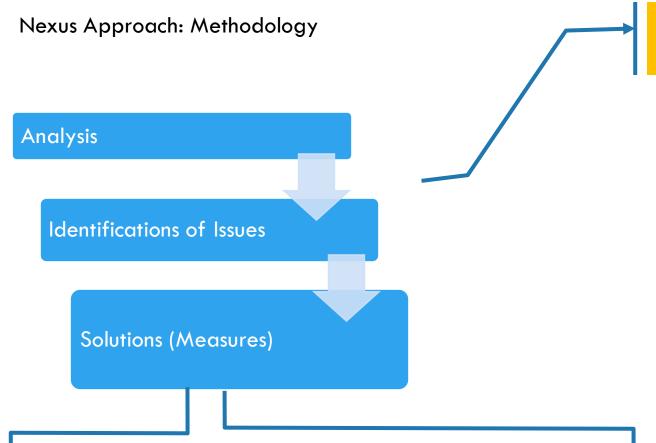
Albania: at country level;

Lebanon: at country level;

Morocco: in the Tangiers Tetouan Al Hoceima region.







Water-energy-food-ecosystems Nexus
 Assessments (Phase I and II)

2. Nexus Inter-ministerial or cross-sectoral
Committees or equivalent bodies steer the development of Nexus
Assessments and strategic documents

- 3. Multi-stakeholders Consultations
- 5. Interventions identified and their financing by institutional and/ or private development partners and/ or banks facilitated

4. Nexus strategies/Action Plans prepared in priority coastal/transboundary areas





### Nexus Assessment Phase I Status in Lebanon

#### Qualitative mapping and identification of interlinkages among Nexus sectors

- ✓ The Inter-institutional Steering Committee of the project has been set-up
  and it involves representatives of all 4 Nexus sectors
- ✓ <u>Stakeholders Analysis</u>: Preliminary Mapping and Assessment of key stakeholders has been carried out by GWP-Med with the support of relevant institutions
- ✓ <u>Draft Governance Analysis</u> outlining the institutional frameworks related to the Nexus sectors, level of cross-sectoral coordination, causes for ineffective management





- ✓ Consolidated <u>overview of the current status and trends</u> of the Nexus-related resources (availability and management)
- ✓ Identification of key policy/thematic areas of priority for which interdependencies with other sectors are crucial and strongest
- ✓ Related <u>strategic documents</u> (strategies, plans etc.), decision-making and regulatory frameworks are analysed, and their <u>cross-sectoral interlinkages</u> assessed, including conflicts in competing for the same scarce resources or opportunities from coordinated action planning.
- √The Nexus Policy Dialogue has started with this 1<sup>st</sup> multi-stakeholder consultation. The 2<sup>nd</sup> consultation will be organized towards the end of Phase I (~February/March 2023)





New or existing interinstitutional body convening and steering the development of the Nexus Assessment and strategic documents

> Stakeholders Analysis

Governance Analysis The Nexus Assessment preparation process

**Brief desk review** of available documentation on natural resources management and economic sectors in the country forming an initial mapping of the water-food-energy-ecosystems inter-linkages and related issues.

Multi-stakeholders' consultation event 1 to identify the perceptions of stakeholders regarding inter-sectoral linkages/benefits/trade-offs and their expected future development

Phase I Nexus Assessment report will present the outcomes of the analysis including, if available, information on: Socio-economic trends and development options; Sectoral characteristics and issues; Inter-sectoral linkages/trade-offs and priority issues; Qualitative future scenarios; Potential solutions identified and concrete suggestions / assessment of information gaps. Analysis to be undertaken in Phase II

Multi-stakeholders' consultation event 2 will validate the findings of the Phase I Nexus Assessment report; prioritize the solutions identified and indicate sources of additional information that may be necessary for the Phase II Nexus Assessment. PHASE





#### Nexus Assessment Phase II

# In depth assessment of selected Nexus interlinkages to quantify the benefits from a coordinated approach. This could entail:

- Data collection and/or generation to fill information gaps identified in Phase I
- ➤ <u>Modelling</u> to quantify the physical resource requirements and the linkages among resources to highlight future constraints (related to e.g., scarcity, losses, degradation) and identify corrective actions.
- > <u>Assessment of different scenarios</u> incorporating "business-as-usual" and alternative options
- ➤ Quantification of water, energy and land resources demand and effects on the ecosystems under each scenario and <u>identification of options</u> that can support decisions making (changing energy mix, irrigation practices, water treatment...)
- ➤ Phase II will include at least one <u>multi-stakeholder consultation</u> as part of the Nexus Policy Dialogue.





Data collection and/or generation to fill information gaps identified in Phase 1

Development of different scenarios incorporating "business-as-usual" and alternative options to be assessed with the use of modelling tools

Phase II Nexus Assessment, including the outcomes of the analysis.

Multi-stakeholders' consultation event to discuss and evaluate the results, review the <u>recommendations</u> and identify means for the recommendations to be put into practice.

Nexus Assessment

PHASE II





# Component 3

#### Testing and up-scaling of Nexus solutions:

- ➤ Identification of traditional or novel Nexus solutions to be tested and possibly upscaled at Mediterranean level
- Assessment of replication potential and feasibility of already applied Nexus solutions at Mediterranean level
- > Testing of novel applications and assessment of their replication potential and feasibility (possibly in Lebanon)
- Priority nexus interventions identified including potential sources of funding





### Component 4 Consultation and Outreach

- > A Stakeholders Engagement Strategy, which integrates guidelines for gender-responsive stakeholder engagement.
- > Information, Communication and Outreach Strategy and a related Action Plan

















