



Term Of Reference

Assess State of the practice WEFE and regulatory review:
Baseline Study on the Status of the
Water-Energy-Food-Ecosystem Nexus
in SEMED Countries and selected neighbours

Introduction

The South East Mediterranean (SEMED) region has been facing water scarcity for centuries, but the situation has worsened due to climate change and increasing demands from a growing population. The region's water security and environmental sustainability are threatened by intersectoral challenges, such as weak governance structures, overexploitation of surface and groundwater resources, decreasing water quality, and wasteful behaviour in the agricultural sector.

The Water-Energy-Food-Ecosystem (WEFE) Nexus approach recognises the interdependence of these sectors and highlights the importance of system efficiency rather than sectoral efficiency. Decisions in one policy area can have unintended consequences in another, and the cross-sectoral relationships should be acknowledged to enhance regional water security, socio-economic development, stability, and peace. Failure to address trade-offs and externalities can damage trust between countries and cause tensions, which can hamper regional cooperation or even spark conflict.

The UfM funded WEFE Nexus Hub at INWRDAM aims to enhance the management of water, energy and food security within the MENA region ensuring socio-economic and environmental sustainability.

The specific objectives of this cooperation include the following:

- Institutionalize the WEFE Nexus Hub for OIC within INWRDAM through a stakeholder participatory process.
- High level WEFE Nexus policy development and advocacy.
- Develop on ground regional WEFE projects.

This will be done through a WEFE Nexus baseline study that will be conducted over a period of 4-5 months, and completed by Q2 2024.

Scope of study:

The aim of the WEFE Nexus baseline study is to systematically map the current state of the Water, Energy, Food and Ecosystems (WEFE) Nexus in SEMED countries.



countries and selected neighbours: Morocco, Algeria, Tunisia, Libya, Egypt, Jordan, West Bank, Israel, Gaza Strip, Lebanon, Syria, Türkiye, Saudi, Iraq and Sudan.

The proposed structure of the baseline study is as follows:

Introduction: Overview of the region (3-5 Pages)

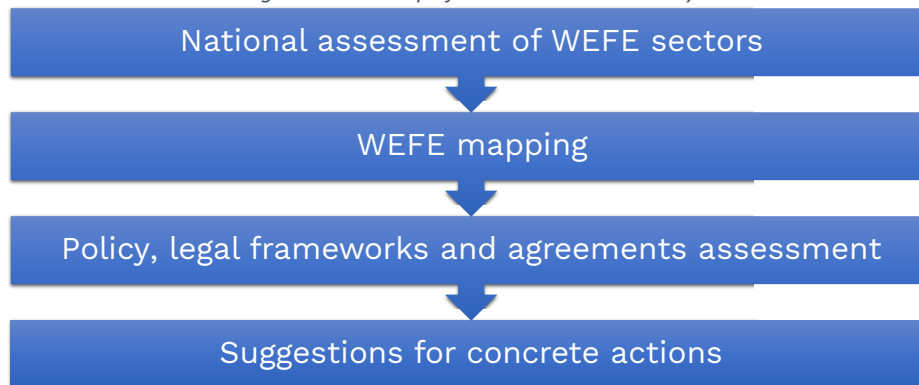
1. Situational context of the countries
 - a. Introduction
 - b. Population
 - c. Economy
 - d. Politics
 - e. Climate

2. Projected socio-economic development until 2050 :
 - a. Demographic development
 - b. Economic development
 - c. Climatic development

The introduction will give a description of the identified geographical region in terms of climate, population, socio-economic and political context. It will also provide projected socio-economic development until 2050, encompassing demographic, economic and climate development

After these introductory sections, the overall baseline study will be structured around the following Chapters :

Figure 1 Road Map of the WEF E baseline study





1. National assessment of WEFE sectors :

Section 1 of the baseline study will consist of a national assessment of the different sectors that the WEFE Nexus entailed (Water, Energy, Food, Ecosystems) for . This section of the baseline study will highlight areas of strength and weakness in each country, but also identify areas of opportunity for developing and/or strengthening WEFE Nexus connections.

These national assessments should be structured for each of the countries as follows:

1. Country name
2. Context (Summarized in maps, or tables max 3 pages for each country, Tables comparing countries are needed);
 - a. Water
 - i. Water Resources
 1. Precipitation
 2. Surface water
 3. Groundwater
 4. Transboundary water
 5. Unconventional water sources
 - a. Water reuse
 - b. Desalination
 - c. others
 - ii. Demand
 1. Agriculture
 2. Industry
 3. Domestic
 4. Environment
 - iii. Water risk:
 1. Infrastructure energy risks
 2. Governance energy risks
 - b. Energy
 - i. Supply
 - ii. Demand
 - iii. Energy risk
 1. Infrastructure energy risks
 2. Governance energy risks
 - c. Food
 - i. Supply
 - ii. Demand
 - iii. Food risk
 1. Environmental risks
 2. Political / Governance risks
 - d. Ecosystem
 - i. Situation
 - ii. Environmental risks
 - e. National policies and legal framework
 - f. This section will provide an overview of the Socio-economic situation in *Country's name*
 - g. This section will provide a brief overview of recommendations to *Country's name*



2. WEFE mapping; success stories and good practices

This section will map WEFE Good Practices and success stories. It will detail where and how principles of the WEFE Nexus approach are already being beneficially applied but will also identify lessons learned from unsustainable or unsuccessful projects as well as providing reason for such outcome to avoid repetition of similar project.

These concrete examples will highlight the potentials of the WEFE Nexus and shared benefit approach to shape a new narrative for cooperation in the region.

An example for Jordan would be Sama Sarhan Dam project established by INWRDAM 2023. With the harvesting of water and harnessing the sun the project created tens of jobs for a vulnerable community based on the WEFE approach.

Conversely, the multiple examples across the region of fossil fuel energy that is being used to pump up non-renewable groundwater supplies to irrigate food crops using flood irrigation has been proven unsuccessful.

3. Assessment of Regional Cooperation Around WEFE

This chapter will assess current policies, governance, legal framework, bi- and multilateral agreements that guide concrete WEFE related actions by the governments. This chapter shall identify both national and, when existing, regional tools. The chapter shall end by highlighting lacks and potential for cooperation between the identified countries, describing the steps that need to be taken to create an enabling environment for a transboundary shared benefit approach at an institutional level.

4. Regional recommendations to strengthen the WEFE Nexus

Chapter 4 will provide proposals for different scale WEFE projects to be implemented in one or more ME countries (Egypt, Jordan, Lebanon and Saudi Arabia). The study will have to incorporate at least two small-scale and two-medium scale regional or transboundary WEFE pilot projects. Description of these WEFE pilot-projects should include assessment of their scalability, sustainability, and replicability, as well as their socio-economic impact and contribution to regional trust building

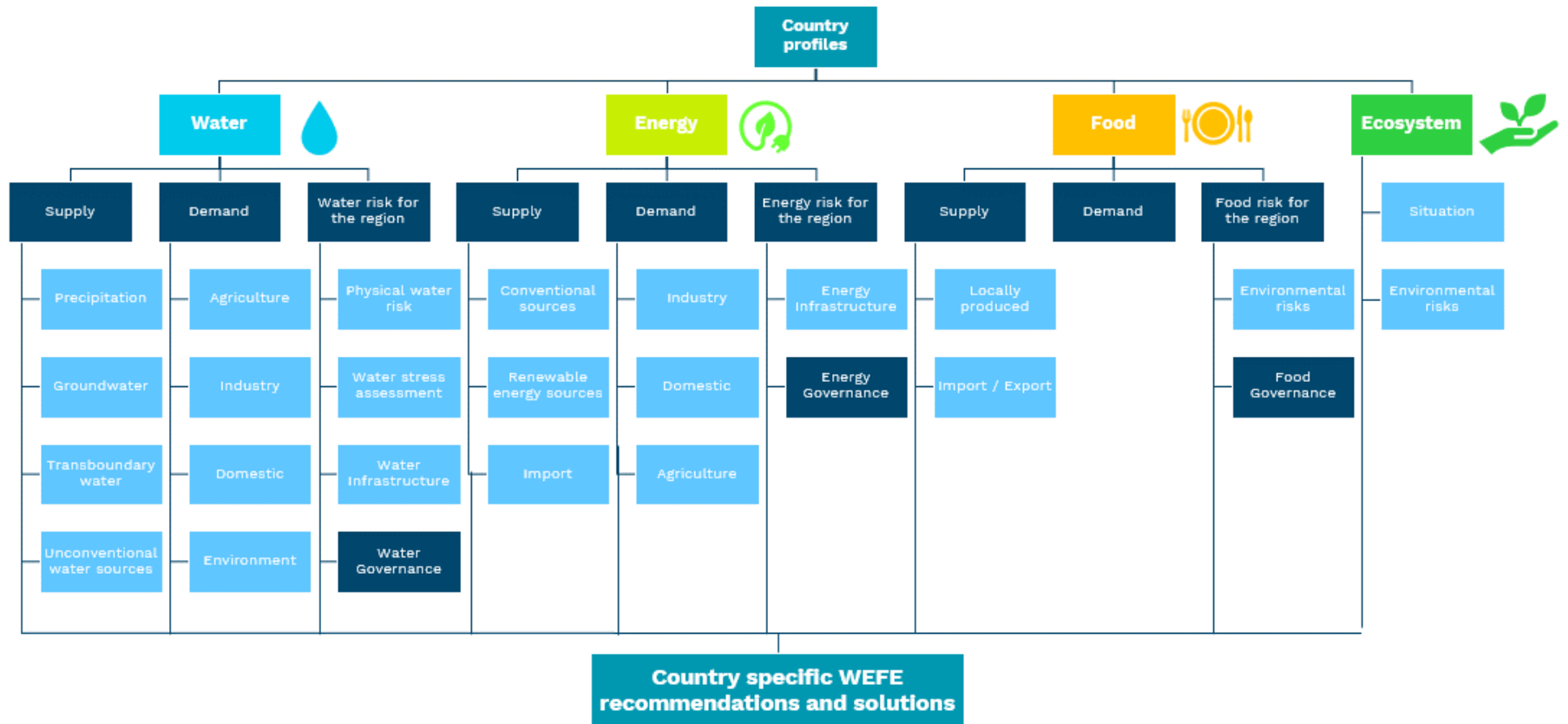
6. Conclusion and recommendations.

7. Study Summary:

The consult should also deliver a 15 pages summary of the study with info graphs maps, and regional facts



Figure 2 Proposed structure of the country profiles of the WEF baseline study.





Coordination and Consultation

- Before starting research on Section 1, the research team / consultant will deliver a timeline detailing how and within what timeframe the will be completed.
- The research team / consultant will regularly update the follow-up Committee during short weekly online meetings.

Deliverables:

- Timeline of research plan for the study
- Inception report : detailed methodology, defining parameters of the WEFE Nexus , including technical, governmental, social and economic parameters.
- Progress report: The national assessment
- A WEFE baseline study, consisting of the four sections described above and covering the identified countries The study shall be between 60 and 70 pages with maps, table, diagrams)

Timetable:

The baseline study has to be completed in a timely manner.

Deadlines:

- Initial Workplan: 5 Days after signing.
- Inception report: 15 days after signing.
- Progress report: 45 days after signing
- Draft study : 90 days after signing
- Final study : 120 days after signing.
- Submit 15 pages summary: 150 days after signing

Eligibility:

This is an open international call, WEFE Experienced entities and consultants from following are eligible to apply:

NGOs, IGO, GOs, Private Sector, research and academia, individual consultants



PART 2

INSTRUCTIONS TO PROPOSERS AND PROPOSAL CONDITIONS

2.1. About INWRDAM

INWRDAM is a non-profit autonomous body having international legal status established 1987. The headquarters of INWRDAM is located in Amman and hosted by the Hashemite Kingdom of Jordan. As a think tank it focuses on policy and applied research and conducts dialogues – through which it seeks to advance ideas, concepts and policy direction to inform policy making and programme formulation processes towards shaping the contours of water resources development and management

The mission of INWRDAM is to foster closer cooperation among the member countries and MENA region in the field of development and management of water resources. In pursuit of this mission, it seeks to generate ideas and policy directions through intensive dialogue, studies and research on a continuing basis. The primary objectives of INWRDAM are as follows: • to collaborate and cooperate in the areas of common interest with a view to help each other in building up the national capability of its member countries in the field of integrated water resources development and to reach smart economy; • to exchange knowledge and information, share experiences and maintain continuing dialogue related to water resources development and management; • to set up and maintain a data bank relating to water resources development and management for use of its member countries taking into account national interests of the member countries; • to initiate demand driven and need based joint projects of research and development (R&D) and help its member countries in the training of quality manpower and render consultancy and advisory services for water resources development and management; • to create innovative solution for water management • to maintain liaison and develop partnership with other similar organizations of the world. www.inwrdam.net

2.2. The procurement processes

The following key dates apply to this RfP:

RfP Issue Date	19/12/2023
Closing date for questions and inquiries	31 / 12/ 2023
RfP Closing Date and Time	10 /01 / 2024
Estimated Contract Award Date	one week after the closing date

2.3. Conditions

INWRDAM is not bound in any way to enter into any contractual or other arrangement with any Proposer as a result of issuing this RfP. INWRDAM is under no obligation to accept the high technical and lowest priced Proposal or any Proposal. INWRDAM reserves the right to terminate the procurement process at any time prior to contract award. By participating in this RfP, Proposers accept the conditions set out in this RfP.



INWRDAM requires Proposers to refrain from corrupt and fraudulent/prohibited practices in participating in this procurement.

2.4. Queries and questions during the RfP period

Proposers are to direct any queries and questions regarding the RfP to the above INWRDAM Contact. No other INWRDAM personnel are to be contacted in relation to this RfP.

Proposers may submit their queries no later than [31 / 12/ 2023]

As far as possible, INWRDAM will issue the responses to any questions, suitably anonymised, to all Proposers. If you consider the content of your question confidential, you must state this at the time the question is posed.

2.5. Amendments to RfP documents

INWRDAM may amend the RfP documents by issuing notices to that effect to all Proposers and may extend the RfP closing date and time if deemed appropriate.

2.6. Proposal lodgement methods and requirements

Proposers must send their proposals to inwrdam@nic.net.jo

Proposals must be prepared in English

2.7. Late and Incomplete Proposals

Any Proposal received by INWRDAM later than the stipulated RfP closing date and time, and any Proposal that is incomplete, or uncleared info will not be considered. There will be no allowance made by INWRDAM for any delays in transmission of the Proposal from Proposer to INWRDAM

2.8. Withdrawals and Changes to the Proposal

Proposals may be withdrawn or changed at any time prior to the RfP closing date and time by written notice to the INWRDAM contact. No changes or withdrawals will be accepted after the RfP closing date and time.

2.9. Validity of Proposals

Proposals submitted in response to this RfP are to remain valid for a period of **45** calendar days from the RfP closing date.

2.10. Evaluation of Proposals

The evaluation of Proposals shall be carried out exclusively with regards to the evaluation criteria and their relative weights specified in this RfP.



3.6 Payment Schedule

The payments should be made to the entity upon satisfactory completion of deliverables as follows:

No.	Payments	Amount	Requirement
1	The First Instalment	40%	Upon contract signing
2	The Second Instalment	40%	Upon Submission of the Draft study
4	The Final Instalment	20%	Upon submitting the 15 pages summary

The INWRDAM will not bear any expenses resulting from storage, transportation, repair, increase or decrease quantities, or any additional cost under any circumstances

PART 4 – THE EVALUATION MODEL

4.1 Evaluation model and stages

The proposers should pass through two stages of evaluation, the first stage is PQQ (Pre-Qualification questionnaires), who will pass through this stage will be Qualified and eligible to the second stage of evaluation which is the Competitive Bid Assessment (CBA) according to the following criteria, please notice that the evaluation will be based on a percentage of 30% *Financial and 70% Technical.*



4.2 INFORMATION TO BE PROVIDED BY PROPOSERS

By participating in this RfP, Proposers are indicating their acceptance to be bound by the conditions set out in this RfP.

This Part details all the information Proposers are required to provide to INWRDAM. Submitted information will be used in the evaluation of Proposals.

*All submitted sheet must be clear and organized (In order not to disqualify the applicant)

Criteria		scoring method	Weight
1.	Understanding of the Project Context	Score 0-5	25
2.	Detailed workplan within an identified time frame or less time	Score 0-5	10
3.	Regional knowledge and experience	Score 0-5	5
4.	Project Management of the assignment (Who, when, work steps)	Score 0-5	10
5.	Previous experience and CVs	Score 0-5	50
TOTAL			100

Each of the following must be submitted as a separate document, and will be evaluated separately.

4.3. Technical Proposal

The proposers should submit their technical proposal containing but not limited to the following information and documents:

- **Registration certificate issued from the Ministry of Industry, Trade and Supply or any relevant institution, as entity has a speciality in the agriculture field.**
- **Full entity profile containing but not limited to general information, work fields, the last and ongoing experiences, similar projects, and entity history.**
- **Understanding of the project context.**
- **Detailed work plan within an identified time frame with not more than 150 calendar days.**
- **Compliance Specifications sheet**
- **Project management of the entity (Who, when, work steps)**
- **CVs of the team**

4.4. Pricing information

Prices include all costs

Submitted rates and prices are deemed to include all costs of supplying, installing, constructing, transportation, insurances, taxes, fees, expenses, liabilities, obligations, risk, and other things necessary for the performance of the Requirement. Any charge not stated in the Proposal as being additional, will not be allowed as a charge against any transaction under any resultant Contract.



Applicable Goods and Services Taxes

Proposal rates and prices shall be inclusive of Value Added Tax, sales tax and any other taxes or fees.

Currency of proposed rates and prices

Unless otherwise indicated, all rates and prices submitted by Proposers shall be in [Euro],

Pricing Procedure: The bidders are requested to fill the yellow cells only (Unit Cost Euro).

Rates and Prices

Excel files attached (QF-BOQs) containing the description of the (goods, services, materials, or/and equipment), quantities, unit price, cumulative prices.