



# 4th WES Steering Committee Meeting

24<sup>th</sup> January 2023 - Background Material

## Water and Environment Support in the ENI Southern Neighbourhood region

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## ABBREVIATIONS

ADE	Algérienne des Eaux (Algeria)
AFD	Agence Française de Développement
ANPE	Agence Nationale de Protection de l'Environnement (Tunisia)
APDs	Achats Publics Durable (Tunisia)
AWWC	Assiut Water and Wastewater Company
BAT	Best Available Technologies
BREF	Best Available Techniques Reference Document
CB	Capacity Building
CITET	International Centre for Environmental Technologies (Tunisia)
CNFE	National Conservatory of Training in the Environment (Algeria)
CNL	Commissariat National du Littoral (CNL)
COP	Conference of the Parties
COFIL	Steering Committee Meeting
COVID-19	Coronavirus disease
CRDA	Commissariat Régional de Développement Agricole (Tunisia)
CSOs	Civil Society Organisations
CV	Curriculum Vitae
C&D	Construction & Demolition
C&DW	Construction & Demolition Waste
D	Deliverable
DGGREE	Direction générale du génie rural et exploitation des eaux (Tunisia)
DG NEAR	Directorate General for Neighbourhood and Enlargement Negotiations
DZ	Algeria
DMAs	District Metered Areas
EC	European Commission
EfE9	The 9 <sup>th</sup> Environment for Europe Conference
EG	Egypt
EIA	Environmental Impact Assessment
ELVs	Emission Limit Values
ENI	European Neighbourhood Instrument
ENV	Environment

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EPR	Extended Producer Responsibility
EQA	Environment Quality Authority (Palestine)
ESD	Education for Sustainable Development
EU	European Union
EUD	Delegation of the European Union
FDD	Foundation Discussion Document
FP	Focal Point
GAM	Greater Amman Municipality
GDAs	Groupements de Développement Agricoles (Tunisia)
GG-NAP	Green Growth National Action Plan
GIZ	German Agency for International Cooperation
GIS	Geographic information system
HCW	Health care waste
JVA	Jordan Valley Authority
IHIS	Integrated Hydrological Information System
IL	Israel
IMAP	Integrated Monitoring and Assessment Programme
<i>INWRDAM</i>	Inter-Islamic Network on Water Resources Development and Management
IWRM	Integrated Water Resources Management
JO	Jordan
KOM	Kick off Meeting
LEPAP	Lebanon Environmental Pollution Abatement Project
LB	Lebanon
LoE	Level of Effort
MCSD	Mediterranean Commission for Sustainable Development
MEDIES	Mediterranean Educational Initiative for Environment and Sustainability
METLE	Ministry of Equipment, Transport, Logistics and Water (Morocco)
ML	Marine Litter
MO	Morocco
MoE	Ministry of Environment
MoENV	Ministry of Environment
MoEW	Ministry of Energy and Water (Lebanon)
MPAs	Marine Protected Areas



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MWI	Ministry of Water and Irrigation
NAP	National Action Plan
NbS	Nature-Based Solutions
NCWR	Non-Conventional Water Resources
NGO	Non-Governmental Organisation
NKE	Non-Key Expert
NRW	Non-Revenue Water
NWRM	Natural Water Retention Measures
NWRP	National Water Resources Plan (Egypt)
OECD	Organisation for Economic Co-operation and Development
O&M	Operations & Maintenance
PANAPD	Plan d'Action National des Achats Publics Durable (Tunisia)
PET	Polyethylene terephthalate
PC	Project Country
PPP	Public-Private Partnership
PS	Palestine
PSP	Private Sector Participation
P2P	Peer to Peer
PWA	Palestinian Water Authority
REG	Regional Training workshop
SEA	Strategic Environmental Assessment
ST	Study Tour
SUP	Single Use Plastics
SWIM-H2020 SM	Sustainable Water Integrated Management and Horizon 2020 Support Mechanism
TA	Technical Assistance
TL	Team Leader
ToR	Terms of Reference
TN	Tunisia
TWW	Treated Waste Water
UfM	Union for the Mediterranean
UfMS	Union for the Mediterranean Secretariat
UNECE	United Nations Economic Commission for Europe
UNEP/MAP	United Nations Environment Programme



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WB	Word Bank
WDM	Water Demand Management
WEFE	Water, Energy, Food and Ecosystem
WES	Water and Environment Support in the ENI Southern Neighbourhood Region
WH	Water Harvesting
WMRA	Waste Management Regulatory Authority
WSD	Water Saving Device
WUA	Water Users Association
WUE	Water Use Efficiency
WWT	WasteWater Treatment



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**COMPONENT 1 : POLLUTION PREVENTION**

**TABLE 1: PROGRESS IN NATIONAL LEVEL ACTIVITIES (POLLUTION PREVENTION)**

Dimension / Topic / Sub-Topic	Activity title/Description	Progress made / Challenges encountered	Future Planning
<p><b>Technical Assistance &amp; Capacity Building</b> <b>Topic 1:</b> Curbing Plastic Pollution &amp; Marine Litter <b>Sub-Topic 1.1:</b> Marine litter monitoring and management</p>	<p><b>N-E-DZ-1: Support for the monitoring and management of marine litter in Algeria:</b> The main objective of this activity is to concretely support the implementation of the relevant obligations and measures of the Regional Plan for the Management of Marine Litter in the Mediterranean and the Integrated Monitoring and Assessment Program of the Barcelona Convention for Algeria. Specific objectives: Generate data adapted to needs on the quantities, types, composition and sources of marine litter on the sea surface and on the seabed; Identify management measures to combat the identified sources and types of marine litter; Contribute to the implementation of measures relating to marine litter covering the entire management cycle, from monitoring and evaluation to prevention and mitigation.</p>	<p><b>On-going activity</b></p> <p>Adapting to the COVID-19 pandemic’s challenges, this national activity was planned to deliver remotely, as much as possible, its capacity building component and background work. However, given that the activity relies on work in the field (floating and seabed marine litter monitoring), it was later agreed with the Algerian counterparts to wait till COVID-19 related travel restrictions were lifted and that the International NKE could travel to the country.</p> <p>In light of this, a mission was co-organised with the Algerian Environment Focal Point (FP) for 19-21 July 2022. However, two weeks before the mission, WES received a formal email from the FP, for the postponement of the mission, due to external impediments.</p> <p>Following a request of the Algerian counterparts, the local NKE was replaced. To this purpose, a Change Note of the approved TOR was submitted and approved by the EC in November 2022.</p> <p>The mission was later carried out, as a 3-day event, organised from the 22nd to the 24th of November 2022 in cooperation with the Algerian Ministry of Environment and Renewable Energy and the National Conservatory of Environmental (CNFE), in Algiers. The event included a very well attended launching workshop on the institutional and operational aspects of the planned WES marine litter activity; a training on marine litter monitoring on the sea surface and the seafloor and collection of data for the purposes of the activity, and an on-site training survey at the Plage des Sablettes (for seafloor litter). The survey was filmed and parts of the video will be used by the project in its future awareness raising activities (Circular Economy and waste reduction video/Overall videos, etc.). Interviews with the Focal Point and other stakeholders were conducted.</p> <p>The event also provided a good opportunity for combining the closing workshop for the 2nd WES environment activity running in Algeria (N-E-DZ-2 “Support for university training on green entrepreneurship and circular economy in Algeria”).</p> <p>The Algerian Minister for the Environment was present on the last day of the event and referred to the importance of the WES activities for the protection of the environment and for ensuring sustainable development in Algeria.</p>	<p>Future work to involve:</p> <ul style="list-style-type: none"> <li>• Carry out the spring surveys of 2023. (Task 2)</li> <li>• Evaluation of the marine litter quantities, types, composition and sources to be carried out (Task 3).</li> <li>• Proposal of management options to be integrated into a Marine Litter Action Plan (Task 3).</li> </ul>
<p><b>Technical Assistance</b> <b>Topic 2:</b> Promotion of Circular Economy <b>Horizontal:</b> PPP &amp; Access to sustainable Investment <b>Sub-Topic 2.1:</b> Support the shift to sustainable consumption and production</p>	<p><b>N-E-DZ-2: Support for university training on green entrepreneurship and circular economy in Algeria</b></p> <p>This activity aims to strengthen and promote green entrepreneurship at university level, through the integration of a dedicated training addressing university professors and Algerian university students. This is likely to contribute to a green and circular economy in Algeria. It is carried out with the support of the National Conservatory of Training on the Environment (CNFE) and a pilot university (Department of Process Engineering, Environmental Engineering section at the Faculty of Technology of the University of Boumerdès).</p>	<p><b>On-going activity</b></p> <p>The activity’s “training of trainers” academic course was implemented between November and December 2021, and focused on developing the entrepreneurial approaches and ecological understanding of university professors of the Faculty of Technology of the University of Boumerdes and trainers from the National Conservatory of Environmental Training (CNFE), to be able to better support students (future young green entrepreneurs).</p> <p>The second phase of the training on green entrepreneurship and circular economy comprising of 12 training sessions (30 hours in total) was carried out between March and June 2022, to the benefit of university students from the Environmental Engineering section (Department of Process Engineering). The training courses took place onsite at the university’s auditorium and online via videoconference, while</p>	<p>Future work to involve the following:</p> <ul style="list-style-type: none"> <li>• Finalisation and submission of Deliverable D.2 on the minutes of the meetings and the roadmap for the consolidation of the network on green entrepreneurship and the circular economy in academia and the replication of the demonstration operation.</li> <li>• Finalisation and submission of Deliverable D.3.1 and D.4.1 on the training mission, including the list of teacher trainers, the technical means put in place for the training.</li> <li>• Finalisation and submission of the Report on the results of the restitution and</li> </ul>

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	<p>Through this activity a national university training network is expected to be developed on green and circular economy, which will also be closely interlinked with sustainable consumption and production.</p>	<p>during the last one (hybrid mode) students presented their projects in the form of pitches.</p> <p>A Workshop to present the results and consolidate university training on green entrepreneurship and circular economy was organised on 22 November 2022 (back-to-back with the N-E-DZ-1 event). During the workshop, the WES training certificates on green entrepreneurship and circular economy were awarded to 27 students and CNFE staff as well as professors of the University of Boumerdes for having successfully completed their respective courses on green entrepreneurship.</p>	<p>consolidation workshop of the university training on green entrepreneurship and circular economy (Task 5).</p> <ul style="list-style-type: none"> <li>Preparation of the Synthesis Note of the activity.</li> </ul>
<p><b>Technical Assistance</b> <b>Topic 2:</b> Promotion of Circular Economy <b>Horizontal:</b> PPP &amp; Access to sustainable Investment <b>Sub-Topic 2.2:</b> Waste management schemes and streams</p>	<p><b>N-E-EG-1: Support for sustainable Construction and Demolition Waste management</b></p> <p>The activity was initially expected to build on the results the national activity in Egypt under the EU funded SWIM-H2020 SM. The project proposal (Funding Request) developed under the previous project was to be updated and refined. Business opportunities, financing mechanisms, access to finance and incentives for a C&amp;DW demonstration project were also expected to be explored. Since there was no progress in the conceptualization of this activity, a second option was considered: to link this activity with the regional activity RE-4-REG / RE-4-ST/RE-4-P2P on C&amp;DW in order to allow more delegates from Egyptian institutions and key stakeholders to benefit from the study visit.</p>	<p><b>Activity deleted (the requested support was provided through another regional activity “RE-4-REG” that covers the same topic).</b></p> <p>The activity’s conceptualisation didn’t advance due to lack of feedback from the Egyptian counterparts.</p> <p>As an alternative, there was an agreement with the FP to link this activity to the Regional Training and Study Visit on Construction and Demolition Waste (RE-4-ST) and provide targeted technical support prior to the study visit and afterwards to 8 Egyptian trainees. The Study Visit itself took place as planned with a good Egyptian participation, while the national activity was formally deleted as the resources for the participation of Egyptians in the Study Tour on CDW that took place physically in Marseilles from 20 - 22 September 2022 were covered by RE-4-REG.</p>	<p>N/A</p>
<p><b>Technical Assistance</b> <b>Topic 2:</b> Promotion of Circular Economy <b>Horizontal:</b> PPP &amp; Access to sustainable Investment <b>Sub-Topic 2.2:</b> Waste management schemes and streams</p>	<p><b>N-E-EG-2: Support for Extended Producer Responsibility (EPR) schemes</b></p> <p>Building on the actions of the Ministry of Environment (MoE) of Egypt for the formulation of a committee for consultation and visualization on how to apply EPR in the country, the WES project was requested to provide support for mobilizing additional main stakeholders on the importance of implementing an EPR scheme for specific waste streams. This would be done through building on the recommendations and findings of the relevant studies, consultations and works on EPR. The activity’s objective is to provide technical assistance and support to the Ministry of Environment of Egypt to pave the way for the implementation of EPR schemes in Egypt. The core of this activity is to enhance the awareness and capacity of decision makers for the promotion of EPR as a mechanism to respond to the challenges posed by waste pollution and particularly plastic pollution.</p>	<p><b>Activity under preparation</b></p> <p>Following a series of communications with GIZ, the MoE and WMRA for potential collaboration in the activity, the draft TOR of the activity were submitted to the Focal Point in November 2021. Feedback received was incorporated in a revised version and the proposed NKEs’ team CVs were provided.</p> <p>Despite reminders, there was no reaction from the Egyptian WES FP on the final approval of the TOR.</p> <p>Given the extreme delays from the Egyptian side, there are serious reservations by the WES Team about the future of this activity. The project discussed the matter with the EU Delegation in Egypt and DG NEAR, in May 2022, but was advised to wait until the necessary approvals are provided from the central government. Since then, there has been no further developments.</p> <p>The ENV Key Expert shared details about this WES activity with WMRA and received an invitation from the WMRA to participate (in-person) in a meeting about EPR projects in Cairo, in August at WMRA.</p> <p>In January 2023, the WES Team has approached the EU Delegation about the delay once again. According to a WES Steering Committee’s previous decision, the project can utilize the resources in other WES activities that are more mature, so that the resources are not wasted.</p>	<p>Future work to involve the following:</p> <ul style="list-style-type: none"> <li>Discuss with the EU Delegation and Focal Point about the approval of the activity and initiation of the work.</li> <li>Acquire the approval of the TOR by the FP, EUD and DG NEAR and kick off the activity or cancel it and reroute the resources in other activities that are more mature.</li> </ul>

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<p><b>Technical Assistance</b> <b>Topic 1:</b> Curbing Plastic Pollution &amp; Marine Litter <b>Topic 2:</b> Promotion of Circular Economy <b>Sub-Topic 1.2:</b> Addressing single-use plastic <b>Sub-Topic 2.2:</b> Waste management schemes and streams</p>	<p><b>N-E-JO-1: Contribution to the development of a joint public-private roadmap to reduce the use of Single-Use Plastics in Jordan</b> <i>This is a “twin” activity to N-E-JO-2 covering the curbing of Single-Use Plastics, to support the implementation of the Green Economy roadmap and green investment opportunities in the waste sector in Jordan and in particular of SUPs.</i> The project aims to support Jordan implement its green and circular economy agenda and particularly the strategies and action plans for green and circular economy in the solid waste sector with emphasis on Single-Use Plastics and in advancing sustainable consumption and production. The activity aims to tackle the issue of the reduction of the use of Single-Use Plastics (SUPs) in Jordan, pointed out in the GG-NAP Waste under “Waste Sector Priority N°12 - Develop a joint public-private roadmap to transition to reduce the use of SUPs at the household and commercial levels”. <b>The activity is also operationally linked to the WES regional activities on SUPs (RE-1-REG and RE-1-P2P on SUPs).</b></p>	<p><b>On-going activity</b> The activity has been ongoing since April 2021 and has been advancing well. Following its kick off, work concentrated on the Overall Assessment of Single-Use Plastics (SUPs) in the country, a market assessment and the plastic waste stream analysis (Task 2). The deliverable, Baseline Report on selected SUPs in Jordan has been submitted and was approved by the Focal Point. The team’s focus was then placed on a survey for the related entities in the SUPs field in order to identify sustainable alternative options to the selected SUPs (Task 3). Interviews with stakeholders were held in the spring of 2022. The report on “Sustainable alternative options to transition away from manufacturing and using SUPs” was approved in October 2022. On the same day, the deliverable was also shared with the EUD (no reply was received). The Level of Effort for the activity was increased, through a Change Note in November 2022, as the activity proved to be more demanding than initially estimated.</p>	<p>Work to involve the following:</p> <ul style="list-style-type: none"> <li>• Drafting of a public-private roadmap to transition towards curbing the use of the selected SUPs in Jordan (Task 4)</li> <li>• Conduct a consultation meeting to discuss the draft roadmap towards curbing the use of SUPs (Task 5)</li> <li>• Compile a Synthesis Note of the activity.</li> </ul>
<p><b>Technical Assistance</b> <b>Topic 1:</b> Curbing Plastic Pollution &amp; Marine Litter <b>Topic 2:</b> Promotion of Circular Economy <b>Sub-Topic 1.2:</b> Addressing single-use plastic <b>Sub-Topic 2.2:</b> Waste management schemes and streams <b>Horizontal:</b> PPP &amp; Access to sustainable investment</p>	<p><b>N-E-JO-2: Consolidation activities on green banking and support to green investment opportunities</b> <i>This is a “twin” activity to N-E-JO-1 covering green banking to support the implementation of the Green Economy roadmap and green investment opportunities in the waste sector in Jordan and in particular of SUPs.</i> This WES activity will support the Ministry of Environment in the implementation of the Green Economy roadmap and green investment opportunities in the waste sector in Jordan by focusing on the issues of Single-Use Plastics and promotion of Green Banking. Its objective is to enhance the banking and other sectors’ capacity to promote sustainable investment opportunities that foster the shift towards a green economy and facilitate access to green investments with emphasis on the waste sector. The specific objective is to enhance the understanding of the concept of Green Banking as well as of both the inhibiting and enabling conditions for the Central and the Commercial Banks of Jordan and the private sector to better invest in green projects. Emphasis will be on solid</p>	<p><b>On-going activity</b> The activity was launched in August 2021. The Inception report (Task 1) and the deliverable of Task 2 on the Factors Inhibiting Finance were approved in April 2022. The EU Delegation provided useful guidance and also arranged a coordination meeting in February 2022 with the EBRD which was involved in the development of the Green Banking Strategy for Jordan. The project team’s feedback from the initial contacts with the Lebanese Banks, unfortunately revealed a very limited experience of the banks in financing solid waste or Single-Use Plastics (SUPs) initiatives. A report describing these findings (Task 3) submitted to the FP in August 2022 concluded that the effort of sharing experiences with Lebanon on utilization of green economy to address plastic waste, should be aborted. Furthermore, policy dialogue between banks of Jordan and Lebanon in this regard would be very difficult considering the current political and economic difficulties in Lebanon. The report was approved by the FP in September 2022 and was sent to the EU Delegations for their information and comments. The NKEs are to still remain in contact with CBJ (Central Bank of Jordan) and the MoENV to ensure that they can fully integrate elements of the Green Banking Strategy currently under development, in their work under Tasks 4 and 5 (and vice versa). The activity’s duration was extended until April 2023, while the remaining Level of Effort from Task 3 was shifted to Tasks 4 and 5, through a Change Note, so that the NKEs can fully integrate in their recommendations, elements of the Green Banking strategy.</p>	<p>Future work to involve the following:</p> <ul style="list-style-type: none"> <li>• Enhancing the conditions for Green Banking in the plastics sector / SUPs by developing recommendations and identified/suggested themes for green projects related to plastics, suitable for green banking/financing (Task 4)</li> <li>• Organisation of a mission instead of the Webinar on Green Banking to foster green investment/banking in the plastics sector of Jordan (Task 5) for consultations with stakeholders in February/March 2023</li> <li>• Compile a Synthesis Note.</li> </ul>

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	<p>waste and plastics sector activities, capitalizing also on all previous initiatives on green banking from the entire environmental sector.</p> <p><b>The activity is operationally linked also to the WES regional activities on SUPs (RE-1-REG and RE-1-P2P on SUPs) and RE-7-REG on the Best practices in achieving waste reduction in the Mediterranean.</b></p>	<p>The planned webinar/on-line consultation is to be replaced with a mission of the WES TL to Jordan in early 2023 in order to better facilitate the process. It may be meaningful to combine this with the related consultation under N-E-JO-1.</p>	
<p><b>Technical Assistance</b> <b>Topic 3:</b> Prevention &amp; Reduction of Industrial Pollution <b>Horizontal:</b> PPP &amp; Access to Sustainable Investment</p>	<p><b>N-E-LB-1: Revision of sectoral guidelines and ELVs for industrial activities in Lebanon</b></p> <p>Through this activity, the project has provided assistance to the Ministry of Environment in Lebanon for the prevention/abatement of industrial pollution through the improvement and updating of the Emission Limit Values (ELVs) for industrial emissions and the revision of guidelines for selected industrial activities in the food and beverages sector (dairy, slaughterhouses, cow farms, meat processing, beverages), and the construction sector (C&amp;DW, cutting stone, asphalt, concrete, paints)</p>	<p><b>Completed activity</b></p> <p>The MoE has drafted a set of environmental guidelines for the establishment and operation of industrial sectors within the food sector (dairy, slaughterhouses, cow farms, meat processing, beverages), and within the construction sector (C&amp;DW, cutting stone, asphalt, concrete, paints). The WES team was asked to revise and comment on the abovementioned technical guidelines. Taking into account BATs and BREFs and after agreement with the FP on the layout and structure for the sector guidelines, WES proposed revisions and comments to the MoE’s environmental guidelines for the establishment and operation of these types of industries.</p> <p>Moreover, WES was also set to undertake a comparison study on ELVs and to propose specific ELVs for the ten sub-sectors. However, the MoE, having developed new wastewater standards under the LEPAP project, based on EU, other national and regional regulations and standards, decided to update the emission standards set in Decree N°08/1-2001 which sets ELVs for specific sectors and to split it into two specific emission standards: a first standard on the industrial atmospheric emissions that was published on 04 February 2022 (N°16/1-2022) and a second emission standard applied for wastewater. The WES project was requested to comment and propose revisions as needed to the latter emission standards.</p> <p>A revision of the activity’s TOR to include this request was made and approved in June 2022.</p> <p>The activity’s progress and findings were presented in an online national consultation on the 19<sup>th</sup> of July 2022 to the invited stakeholders, where the revision of the ten technical sectoral guidelines and the new wastewater standards were presented and further discussed.</p> <p>All deliverables have been submitted and approved by the Focal Point.</p> <p>The Synthesis Report has been finalized and is uploaded on the project’s website (<i>please press <a href="#">here</a> to follow the link</i>).</p>	<p>Planned work to involve the following:</p> <ul style="list-style-type: none"> <li>• The Stakeholder Commitment Tracking Form</li> </ul>
<p><b>Technical Assistance</b> <b>Topic 1:</b> Curbing Plastic Pollution &amp; Marine Litter <b>Sub-Topic 1.1:</b> Marine litter monitoring and management <b>Sub-Topic 1.2:</b> Addressing single-use plastic</p>	<p><b>N-E-LB-2: Technical assistance to the MoE in tackling the pollution of the Mediterranean Sea by combatting pollution from plastics.</b></p> <p><b>N-E-LB-2a: Marine Litter Monitoring</b></p> <p>Support to the implementation of the national monitoring programme of Lebanon with regards to marine litter (technical assistance to monitor IMAP Common Indicators 22 and 23);</p> <p>This activity will be carried out in close collaboration/ coordination with UNEP - MAP and in synergy with the ECAP III, Marine Litter MED II,</p>	<p><b>Activity under preparation</b></p> <p>WES will be working together with the Ministry of Environment in Lebanon on this activity, as agreed in a conceptualisation meeting in June 2021. WES will focus on a training on harmonised ML monitoring in Lebanon targeting officials, NGOs and other stakeholders implementing relevant actions. However, the challenges related to local travel, combined with the energy and economic crisis in the country, creates unfavourable conditions for the activity to take place up to this moment. The Focal Point advised that if it is possible, it would be best to wait for the opportune timing of a physical training, rather than to organise online videos or meetings on how the work is done in the field.</p>	<p>Future work to involve the following:</p> <ul style="list-style-type: none"> <li>• Design the activity in the best way possible for its impactful implementation</li> <li>• Prepare the TOR</li> <li>• Acquiring the approval of the TOR by the EUD and DG NEAR</li> </ul> <p>Kick off the activity and start its implementation</p>

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	<p>Plastic Busters CAP, and the IMAP - MPA. The latter monitors only the Marine Protected Areas and their vicinity.</p> <p><b>N-E-LB-2b: Policy support to address single-use plastic items in Lebanon</b></p> <p>The activity will also provide support to the Ministry of Environment of Lebanon to address Single-Use Plastics (excluding plastic bags). The core of the activity is to gather baseline information on SUPs in the country, analyse the effects of potential measures, raise awareness and capacity to address SUPs.</p> <p><b>These activities are operationally linked to other WES regional activities on SUPs (RE-1-REG and RE-1-P2P on SUPs) mainly by the Lebanese Peers and trainees.</b></p>	<p><b>On-going activity</b></p> <p>Following many efforts of DG NEAR and WES the activity's TOR were approved by the Focal Point, the EU Delegation and DG NEAR and the activity successfully kicked off on the 17th of March 2022.</p> <p>The inception meeting (Task 1) was successfully organised on the 4th of May 2022 and the Inception Report was submitted to the FP and the EU Delegation in July 2022 for review and comments. Comments received were addressed and the report was approved on the 29th of September 2022.</p> <p>A Consultation Meeting on "selected single-use plastic products on-the-go food and beverage packaging and bags" was organised and held on the 17<sup>th</sup> November 2022 in Beirut, as a Joint WES and Marine Litter MED II Activity, co-organised with the Ministry of Environment of Lebanon. The International NKE made his first mission to Beirut and joined the meeting in person. Mr. Patrick Wegerdt from DG-Environment also joined the meeting online and presented the EU-Single Use Plastics Directive.</p>	<p>Work to involve the following:</p> <ul style="list-style-type: none"> <li>Finalise the Baseline information document on 4 SUPs and available feasible alternatives in Lebanon</li> <li>Prepare Report on development of policy measures, including policy recommendations</li> </ul>
<p><b>Technical Assistance &amp; Capacity Building</b></p> <p><b>Horizontal:</b> PPP &amp; Access to sustainable investment</p> <p><b>Topic 2:</b> Promotion of Circular Economy</p>	<p><b>N-E-MO-1: Joint initiative for the establishment of the management chain for PET bottle packaging within the framework of EPR in Morocco</b></p> <p>This circular economy activity aims to improve the sorting, collection and recovery system for PET beverage packaging waste in Morocco through the establishment of Extended Producers Responsibility (EPR) in the PET sector. This joint initiative, supported and led by all stakeholders involved in the management and recovery of PET bottle packaging as part of a sustainable EPR model, has the following objectives:</p> <ul style="list-style-type: none"> <li>Take stock of relevant, already existing initiatives on packaging waste management</li> <li>Facilitate effective dialogue among all stakeholders involved in the sector</li> <li>Set up a monitoring group for the implementation of EPR in the PET bottles sector (COFIL)</li> <li>Provide technical assistance to establish a roadmap and a work plan, for the establishment of an operational model for the management of PET beverage packaging based on the principle of EPR.</li> </ul>	<p><b>Activity under finalisation</b></p> <p>The activity was launched back in April 2021. The diagnostic report of related practices and studies (Task 2) was submitted and validated by the MoE at the end of November 2021.</p> <p>The team was approached by the EU Delegation in early 2022 for the preparation of an article on the activity that was published later on in the Delegation's newsletter. A brainstorming workshop on the structuring of EPR for the PET bottles industry was organised on the 30th of March 2022.</p> <p>A Change Note was issued in March 2022 in order to increase the resources dedicated to experts and to update the planning for the implementation of the activity.</p> <p>A COFIL meeting was organised on 30 March 2022 during which a framework agreement for the operationalization of EPR for the PET bottles sector in Morocco was proposed.</p> <p>Ms. Hafsa Ameziani, WES contact person at the MoE in Morocco, presented the WES results under N-E-MO-1 in the framework of the Global Green Event at Pollutec-Morocco from 14-16 September 2022. A related article was published on MEDIAS24 (<a href="https://medias24.com/2022/10/02/valorisation-des-dechets-un-pas-en-avant-pour-la-mise-en-place-de-la-rep-au-maroc/">https://medias24.com/2022/10/02/valorisation-des-dechets-un-pas-en-avant-pour-la-mise-en-place-de-la-rep-au-maroc/</a>).</p> <p>The comments of the FP on deliverable D.4 sent on 5<sup>th</sup> of October 2022 were addressed by the WES experts. It was then decided to hold a 4<sup>th</sup> and last COFIL meeting to present the roadmap and framework agreement to the COFIL members.</p> <p>The last COFIL meeting was organised on 10<sup>th</sup> of January 2023 for the presentation and discussion of the D.4 roadmap for the implementation of an EPR model for PET bottles.</p>	<p>Work to involve the following:</p> <ul style="list-style-type: none"> <li>Finalisation and approval of the D4 Report on the roadmap for the implementation, of EPR</li> <li>Summary Note on the activity</li> </ul>

Dimension / Topic / Sub-Topic	Activity title/Description	Progress made / Challenges encountered	Future Planning
<p><b>Technical Assistance &amp; Capacity Building</b> <b>Topic 1:</b> Curbing Plastic Pollution &amp; Marine Litter <b>Sub-Topic 1.1:</b> Marine litter monitoring and management</p>	<p><b>N-E-MO-2: Consolidation activities on the ongoing marine litter activities in Morocco: expanding marine litter monitoring</b> (e.g. in other coastal sites, other marine compartments - sea surface, sea floor); finalise the national Action Plan based on the consolidated findings of the assessment results; support in implementation of selected priority measures. This activity will support Morocco's efforts to meet its commitments under the Barcelona Convention.</p>	<p><b>On-going activity</b></p> <p>Adapting to the COVID-19 pandemic's challenges, this national activity was planned to deliver remotely, as much as possible, its capacity building component and background work.</p> <p>The TOR were approved in February 2021 and the KOM of the activity was successfully organised online on the 24th of March 2021.</p> <p>A successful learning-by-doing set of pilot marine litter surveys was implemented in the field by the Local WES NKE, the Moroccan Authorities and a few key stakeholders on 20-21 October 2022 in the M'diq bay, on the Mediterranean coast of Morocco. An online training took place on the 18<sup>th</sup> of October 2022 before the survey. The next set of surveys is scheduled for spring 2023.</p>	<p>Work to involve the following:</p> <ul style="list-style-type: none"> <li>Organise the next set of surveys in spring 2023</li> <li>Processing of the marine litter quantities, types, composition and sources evaluation based on the first datasets (Task 3)</li> <li>Proposal of management options to be integrated into a Marine Litter Action Plan (Task 3).</li> </ul>
<p><b>Technical Assistance</b> <b>Topic 3:</b> Prevention &amp; Reduction of Industrial Pollution <b>Sub-topic 3.2:</b> Depollution projects (including PPP schemes)</p>	<p><b>N-E-PS-1: Technical assistance on sustainable Medical Waste Management</b></p> <p>The aim of the activity is to provide technical assistance to promote sustainable medical waste management solutions.</p> <p>The specific objectives are:</p> <ul style="list-style-type: none"> <li>support Palestine in the update of the Master Plan with its Roadmap for healthcare waste and to reinforce capacities of different actors to improve management practices;</li> <li>define a set of measures and actions to develop a contingency/emergency plan to be executed in crisis situations (outbreaks, conflicts, earthquakes, pandemic, etc.).</li> </ul>	<p><b>On-going activity</b></p> <p>The activity was launched in December 2020 through an online kick off meeting. Having completed Task 1 with the desk study on the status of medical waste management in the country and the Inception Report which was later approved by the FP, the team proceeded to work on deliverables of Task 2, D.3 on Updating the Masterplan and developing the Emergency Response Organization and Procedures (Contingency Plan) and of Task 3, D.4 on Emergency plan. The updated versions of the deliverables were submitted in August 2022 and the country asked for some more time for their review. On the 24<sup>th</sup> of August they requested that a full budgeting is included in the Action Plan.</p> <p>A Change Note to further strengthen the expert days for the two local NKEs and formally extend the duration of the activity was approved on the 28<sup>th</sup> of October 2022. The Consultation Meeting about the HCW Master Plan and Contingency Plan was successfully held on the 24<sup>th</sup> November 2022 with a good attendance of stakeholders and fruitful discussions.</p> <p>The WES team has started the preparations for the organization of the training workshop (consultations about the date, selection of the topic and working on the training material). The training will most probably be organized in hybrid format during the first quarter of 2023.</p>	<p>Work to involve the following:</p> <ul style="list-style-type: none"> <li>Organise a training workshop on the selected topic</li> <li>Finalize the updated Master Plan</li> <li>Prepare a Summary Note of the activity</li> </ul>
<p><b>Technical Assistance &amp; Capacity Building</b> <b>Topic 3:</b> Prevention &amp; Reduction of Industrial Pollution <b>Sub-Topic 3.1:</b> Environmental mainstreaming in sector policies</p>	<p><b>N-E-PS-2: Assessment and institutional setup for mineral used oil, pharmaceutical and metal painting industries in terms of environmental sound management for hazardous waste</b></p>	<p><b>Activity under conceptualisation</b></p> <p>A proposed scope of the activity was prepared by the WES Team and approved by the Focal Point on the 4<sup>th</sup> of October 2021. Preparations and exchanges on the finalisation of the TOR were relatively slow.</p> <p>In reaction to a recent suggestion of the Focal Point for developing a strategic action plan/ on plastic waste management for Palestine, as part of a new sub-regional activity on plastics (N-E-LB-PS-P3), the WES team proposed to redirect the second national activity (on hazardous waste) to focus on plastics and marine litter.</p> <p>The WES team will soon propose to the EQA the draft ToRs on the topic requested by the FP.</p>	<p>Work to involve the following:</p> <ul style="list-style-type: none"> <li>Finalise the TOR in collaboration with the Focal Point</li> <li>Acquire the approval of the TOR by the EUD and DG NEAR</li> <li>Kick off the activity and start its implementation</li> </ul>

Dimension / Topic / Sub-Topic	Activity title/Description	Progress made / Challenges encountered	Future Planning
<p><b>Technical Assistance</b> <b>Topic 2:</b> Promotion of Circular Economy <b>Sub-Topic 2.1:</b> Support the shift to sustainable consumption and production</p>	<p><b>N-E-TN-1: Support for the implementation of Sustainable Public Procurement operations</b> The main objective of this activity is the implementation and a concrete application of Sustainable Public Purchasing in the Construction sector as part of the implementation of PANAPD. This involves working on a methodology to be followed for Sustainable Public Purchasing in the Construction sector in a "learning by doing" approach and which can be replicated in other sectors.</p>	<p><b>Completed activity</b> The activity has begun since April 2020. Parts of its methodology have been revisited in order to allow for its implementation remotely and an Action Plan for carrying out Task 1 and the implementation of Tasks 2 and Task 3 was agreed. The TOR was revised and approved on 12 March 2021 for the replacement of NKE1, due to unavailability issues. A first workshop was organized on the 27th of October 2021 at CITET and aimed at discussing technical options for green public procurement in the construction sector (under Task 3: Coaching). A second workshop (coaching) was planned for the 25th of January 2022 but it was postponed due to COVID-19 and was held physically on the 23rd of March 2022. The report on Task 3 "Ateliers de coaching (D.3)" on the organization of the coaching workshops on Sustainable Public Procurement (SPP) for the construction sector in Tunisia was submitted on June 30<sup>th</sup> 2022 to CITET. Synergy with another EU-funded project was ensured here as the demonstration activity was related to the EU-funded project for the construction by the Municipality of Mahdia of a composting plant in cooperation with CITET (CLIMA: CLIMA: Actions innovantes de dépollution en Méditerranée: réduire les déchets pour stimuler les économies). The local NKE, presented the activity at the "14<sup>ème</sup> Journées de l'Eco-Construction et l'Innovation" on the 22nd of June 2022, seizing the opportunity to present the project's work on the subject of SPP. On the 26th of October 2022, the lessons learned and the recommendations of the pilot action were presented to the COPIL and key stakeholders for wide dissemination to public actors and suppliers in order to stimulate market interest. The final version of the deliverable of task 4 «Guide d'appui à la mise en œuvre d'une opération d'Achats Publics Durables (APD) en Tunisie» was approved by the FP and by the EU Delegation in December 2022. The EU Delegation has also recently communicated the SPP guideline to the COPIL and the Project Management Unit of the ECOPACT program with the aim of applying it and integrating sustainability clauses into the SPP of this EU-funded program.</p>	<p>Work to involve the following:</p> <ul style="list-style-type: none"> <li>• Prepare the « Rapport de restitution sur la réunion du COPIL et sur les résultats de la conférence de clôture »</li> <li>• Prepare the Synthesis Note of the activity.</li> </ul>
<p><b>Technical Assistance</b> <b>Topic 3:</b> Prevention &amp; Reduction of Industrial Pollution <b>Horizontal:</b> PPP &amp; Access to sustainable investment</p>	<p><b>N-E-TN-2: Technical assistance for Industrial pollution prevention and monitoring from the tomatoes transformation industry in the coastal area of Korba.</b> Provision of technical assistance for the reduction of environmental impacts linked to the agro-food processing industry of tomatoes in the coastal region that is rich in biodiversity and highly threatened, from Korba to Cab Bon, in Tunisia. The activity is particularly aimed at: i) the introduction of measures to optimize the consumption of resources and reduce environmental pollution linked to the industrial processing of tomatoes and the treatment of their effluents; ii) setting up an environmental monitoring system for the tomato processing industries; and iii) the launch of a process for a sectoral framework agreement for the sustainable management of resources and</p>	<p><b>Completed activity</b> The activity was launched in April 2020. The national designated partner is ANPE (National Environmental Protection Agency). A Change Note requesting the addition of expert days was approved by DG NEAR on the 24th of March 2022. The third and last COPIL meeting to present the final results of this activity (project proposal and draft charter) was organised on May 31<sup>st</sup> 2022. Task 3 Report was approved during this meeting and was also approved by e-mail by the FP on the 22<sup>nd</sup> of June 2022. The report was also sent to the EUD for validation on the 23<sup>rd</sup> of June 2022 and as no reply was received, it was considered as approved (in accordance with the procedure in place). On the 3<sup>rd</sup> of August 2022, the deliverables of tasks 4 and 5 were also shared with the FP and approved. The Synthesis Note has been prepared and is under review.</p>	<p>Future work to involve the following:</p> <ul style="list-style-type: none"> <li>• Finalisation of the Synthesis Note of the activity</li> </ul>

Dimension / Topic / Sub-Topic	Activity title/Description	Progress made / Challenges encountered	Future Planning
<p><b>Technical Assistance</b> <b>Topic 1: Curbing Plastic Pollution &amp; Marine Litter</b></p>	<p>environmental protection of the tomato processing activity in the target region.</p> <p><b>N-E-IL-P1: Contribution to the development of a joint public-private road map to effectively recycle plastic polymers in Israel</b> The objective of this activity is to enhance the management of plastic products in the country by taking measures specific to plastic polymers that are disruptive to sorting and recycling process. The activity will comprise the following:</p> <ul style="list-style-type: none"> <li>Evaluating the current practices and future trends in the plastics market regarding polymers (oxo-degradable plastics, biodegradable, compostable plastics, multilayer packaging, additives, etc.), both in packaging and non-packaging uses, and the difficulties created by these polymers to the sorting and recycling processes;</li> <li>Preparing policy recommendations and a road map based on a comparative study of redesign, sorting and recycling techniques, BATs and BREFs, international and EU policies;</li> <li>Sharing the recommendations and road map with stakeholders to achieve consensus.</li> </ul>	<p><b>On-going activity</b></p> <p>The zero draft TOR for the activity were prepared and submitted in February 2022 to the Focal Point and feedback was received in April 2022. It was requested to extend the activity's scope to include all types of plastic waste that are generated in the country.</p> <p>The ToR were submitted to the EC on the 15th of June 2022 and were approved on the 17th of June 2022. The KOM of the activity was successfully organised online on the 21st of July 2022.</p> <p>The Israeli team is in collaboration with the Ministry of Environment and are carrying out appointments with plastic products producers and material recovery facilities. A short questionnaire was constructed for that purpose. The priority stakeholders were also identified.</p> <p>The Inception Report is under preparation.</p>	<p>Future work to involve the following:</p> <ul style="list-style-type: none"> <li>Consultation meetings with plastic products producers and other stakeholders</li> <li>Preparation of the Inception Report</li> <li>Preparation of policy recommendations and a road map based on a comparative study of redesign, sorting and recycling techniques, BATs and BREFs, international and EU policies (Task 2)</li> <li>Sharing recommendations (Task 3)</li> <li>Drafting a roadmap (Task 4)</li> <li>Conducting a consultation meeting to discuss the draft roadmap towards curbing the use of polymers (Task 5)</li> </ul>
<p><b>Technical Assistance</b> <b>Topic 1: Curbing Plastic Pollution &amp; Marine Litter</b> <b>Topic 2: Promotion of Circular Economy</b></p>	<p><b>N-E-LB-PS-P2: Investigating and developing a compendium with successful approaches of an Extended Producer Responsibility (EPR) system for plastics in Lebanon and Palestine</b> The activity aims to develop a compendium detailing successful approaches in the wider Mediterranean and beyond with all generic recommendations for the needed steps to be communicated to Lebanon and Palestine with a view to encouraging more ambitious EPR schemes to bring about a more sustainable use of plastics.</p> <p>The assignment will explore the existing landscape of EPR related to plastics in both countries with a focus on plastic packaging. It will then identify some strengths and weaknesses of existing EPR approaches, and opportunities and needs for more ambitious EPR to be developed in both countries.</p>	<p><b>On-going activity</b></p> <p>The ToR were approved by the EU Delegation in Lebanon on the 24<sup>th</sup> of June 2022 and by the EU Delegation in Palestine on the 24<sup>th</sup> May 2022. They were approved by DG NEAR on the 23<sup>rd</sup> of September 2022.</p> <p>The activity was kicked off on December 8<sup>th</sup> 2022 through a successful online meeting that was well attended by the relevant stakeholders and both Ministries' representatives.</p> <p>The project team is working on assessing the current situation in Lebanon and Palestine on plastic packaging.</p>	<p>Future work to involve the following:</p> <ul style="list-style-type: none"> <li>Assess the current situation in Lebanon and Palestine (with focus on plastic packaging) that may apply EPR and define which type of EPR instruments and models can be implemented in both countries (Task 1)</li> <li>Investigate what institutional frameworks exist and how they can be improved (Task 2)</li> <li>Present a compendium of lessons learned and failures in the region for countries who apply EPR schemes (Task 3)</li> <li>Clarify the roles and responsibilities of the main actors and stakeholders in the field (government role/waste management companies/producers / manufacturers/informal sector/consumers/NGOs/CSOs/citizens) (Task 4)</li> <li>Assess the environmental, technical, economic and social aspects (benefits, constrains and challenges) for applying the EPR in both countries and define the main steps for EPR implementation (Task 5)</li> </ul>

Dimension / Topic / Sub-Topic	Activity title/Description	Progress made / Challenges encountered	Future Planning
<b>Technical Assistance</b> <b>Topic 1: Curbing Plastic Pollution &amp; Marine Litter</b> <b>Topic 2: Promotion of Circular Economy</b>	<b>N-E-LB-PS-P3: Identify small scale “model” approaches of separate collection and recycling for further replication, Lebanon &amp; Palestine</b> Under this sub-regional activity, good practices for separate collection and recycling developed by non-State actors and local / regional authorities in Lebanon and Palestine will be identified and evaluated. One – two case studies per country will be selected and technical advice will be provided to improve them so as to be promoted as “champions” and/or case studies to be replicated; Key measures will be outlined to improve enabling, legal/institutional/operational frameworks and/or conditions to promote separate collection and plastic waste recycling. There will be provision for replication of the results of the selected cases, through a dedicated communication plan. A parallel awareness campaign involving public, local authorities, schools and NGOs on plastic waste separation and recycling, will be developed, in order to obtain public support for the case studies.	<p><b>On-going activity</b></p> <p>The TOR of the activity was submitted to the FPs of Palestine and Lebanon on the 14<sup>th</sup> of September 2022.                      They were approved by the FP of Lebanon in October 2022. The Focal Point in Palestine suggested to add the development of a national strategy or a strategic action plan for the plastic waste management and to strengthen the position of the local NKE. The WES team suggested to keep the TOR for this activity, enhance the local NKEs’ position and to develop a separate activity on plastic waste management/marine litter (2<sup>nd</sup> activity in Palestine/ENV Component).</p> <p>The ToR were submitted to the EU Delegations in Lebanon and Palestine on the 17<sup>th</sup> of November 2022. They were approved on the same day by the EU Delegation in Palestine.                      Approval was acquired by DGNEAR on the 16<sup>th</sup> of December 2022.                      The activity is to be kicked off in January/February 2023.</p>	Work to involve the following: <ul style="list-style-type: none"> <li>• Kick off the activity</li> <li>• Proceed to the implementation of the activity</li> </ul>
<b>Technical Assistance</b> <b>Topic 1: Curbing Plastic Pollution &amp; Marine Litter</b> <b>Topic 2: Promotion of Circular Economy</b>	<b>N-E-TN-P4: Enforcement of political and legal measures undertaken by Tunisia for the reduction and prohibition of certain types of single-use plastic packaging</b> The main objective of this activity is to identify bottlenecks (technical, legislative, financial, etc.) in the implementation of the plastic bag ban regulation (Decree n° 32 of January 16, 2020.) and to propose actions to lift and overcome these constraints. This activity includes also to a proposed roadmap for an extension of the measures aiming at the reduction (and the banning when appropriate) to other single-use plastic materials in Tunisia.	<p><b>On-going activity</b></p> <p>The ToR were approved by the country on the 16<sup>th</sup> of June 2022 and sent to the EUD on the 20<sup>th</sup> of June. They were approved by DG NEAR on the 15<sup>th</sup> of September 2022.</p> <p>The project’s KOM was organised and was successfully held online on the 17<sup>th</sup> of October 2022.                      Since then, the project team is working on identifying bottlenecks in the application of the regulations prohibiting plastic bags (Task 1). The first mission of the International NKE was carried out to attend the 1<sup>st</sup> COPIL Meeting on the 12<sup>th</sup> of December 2022 at the Ministry of Environment in Tunis and to organise a series of interviews and consultations with key stakeholders, jointly with the two other Local NKEs. The COPIL Consultation meeting was chaired by the Minister of Environment who emphasized the Ministry's interest in this WES activity and their decision to expand the plastic reduction measures to other SUPs with the assistance of WES project.</p>	Future work to involve the following: <ul style="list-style-type: none"> <li>• Identifying bottlenecks in the application of the regulations prohibiting plastic bags (Task 1)</li> <li>• Recommend solutions to remove and overcome technical and/or legislative and/or financial constraints and bottlenecks for the gradual banning of bags in Tunisia (Task 2)</li> <li>• Propose a mechanism for evaluating the achievement of objectives and monitoring the impact of the regulations banning certain categories of plastic packaging bags (Task 3)</li> <li>• Hold a workshop to discuss the roadmap for the extension of restriction measures to other single-use plastic packaging (Task 4)</li> <li>• Synthesis Note (Task 5)</li> </ul>
	<b>N-E-DZ-P5: solving the separate collection problems</b>	<b>Activity under conceptualisation</b>	
	<b>N-E-P6: Activity on the preparation of public awareness campaigns material (on plastic pollution management)</b>	<b>Activity under conceptualisation</b>	

**TABLE 2: PROGRESS IN REGIONAL LEVEL ACTIVITIES (POLLUTION PREVENTION)**

Dimension / Topic / Sub-Topic	Activity title/Description	Progress made / Challenges encountered	Future Planning
<p><b>Technical Assistance &amp;Capacity Building</b> <b>Topic 1:</b> Curbing Plastic Pollution &amp; Marine Litter <b>Sub-Topic 1.1:</b> Marine litter monitoring and management <b>Sub-Topic 1.2:</b> Addressing single-use plastics</p>	<p><b>RE-2-REG: Understanding better microplastics and identifying how to address the issue.</b></p> <p>The overall aim of this regional training is to provide technical assistance and strengthen the capacities of the WES Partner Countries to effectively address the issue of microplastics in the Mediterranean marine environment.</p> <p>The specific objectives of this activity are to:</p> <ul style="list-style-type: none"> <li>• Improve the knowledge of participants on the threats that microplastics pose on the environment and human livelihood.</li> <li>• Support the WES Partner Countries (competent national authorities and other stakeholders) in engaging further with regional plans to address the issue of microplastics.</li> <li>• Enhance the capacity of the targeted stakeholders to monitor and assess primary and secondary microplastics.</li> <li>• Facilitate the competent authorities of the WES Partner Countries to design and coordinate actions in preventing the use of primary microplastics, and to design and implement related national programs and policy measures.</li> <li>• Develop the necessary competences of key non-state stakeholders of the WES Partner Countries to design and implement programs and actions to reduce and eventually phase out the use of primary microplastics and prevent the leakage of plastic litter into the environment.</li> </ul>	<p><b>Completed activity</b></p> <p>The TOR of the activity was approved on February 2<sup>nd</sup> 2022. The training was structured in three modules and it was delivered on-line on May 12<sup>th</sup>, 24<sup>th</sup>, and June 14<sup>th</sup> 2022.</p>	<p>Work to involve the following: Finalize the training report and upload on the WES website.</p>
<p><b>Technical Assistance &amp;Capacity Building</b> <b>Topic 2:</b> Promotion of Circular Economy <b>Sub-Topic 2.1:</b> Support the shift to sustainable consumption and production <b>Sub-Topic 1.2:</b> Addressing single-use plastics</p>	<p><b>RE-3-REG /R E-3-P2P: Innovative Circular Economy Business Models in the Mediterranean region</b></p> <p>The overall aim of this activity is to provide technical assistance and strengthen the capacities of the non-EU Mediterranean countries to implement in their respective countries, effective measures to support the development of green and circular businesses as agreed at regional level (Barcelona Convention system, UfM). The activity will ensure non-duplication, complementarity and synergy with other regional projects such as SwitchMed, RESET, and STAND UP. It will target mainly Business Support Organisations and policy makers to inspire them to effectively support circular economy businesses. This activity will combine a P2P process and regional training.</p>	<p><b>On-going activity</b></p> <p>The TOR of the activity were just approved in January 2023. The activity will launch with a P2P meeting and is designed to include an 'in-person' training in Barcelona to be held in May/June 2023.</p>	<p>To be organised in May 2023</p>
<p><b>Technical Assistance &amp; Capacity Building</b> <b>Topic 2:</b> Promotion of Circular Economy <b>Sub-Topic 2.2:</b> Waste management schemes and streams</p>	<p><b>RE-4-REG / RE-4- ST/ RE-4-P2P activity on the Management of Construction &amp; Demolition Waste (C&amp;DW)</b></p> <p>This regional activity takes up from the groundwork achieved by SWIM-H2020 SM. The overall aim of the activity was to bring together the key stakeholders from the PCs with selected experts and provide a high-level field visit focusing on CDW which included a training/workshop, exercises, and discussions. The specific objectives of the activity are to:</p>	<p><b>Completed (RE-4-ST) and on-going (RE-4-P2P) activity</b></p> <p>The activity's TOR were approved on the 29<sup>th</sup> of November 2021. Invitations for the appointment of Peers were sent in March 2022.</p> <p>The P2P process was launched with the 1<sup>st</sup> P2P meeting, held online on the 7<sup>th</sup> of April 2022, during which the place for holding the Workshop and Study Visit was discussed and agreed.</p>	<p>Future work to include the following:</p> <ul style="list-style-type: none"> <li>• Finalize the Study Visit report and upload on the WES website</li> <li>• P2P process continuation including the completion of the Desk Study</li> </ul>

Dimension / Topic / Sub-Topic	Activity title/Description	Progress made / Challenges encountered	Future Planning
	<ul style="list-style-type: none"> <li>Identify and analyze the recurrent problematics encountered in the CDW management sector in Southern Mediterranean;</li> <li>Identify and analyze relevant existing projects/technologies/initiatives that may answer those problematics to implement them in the concerned territories, stressing environmental and social benefits;</li> <li>Introduce to the participants an integrated approach to sustainable management of CDW at local level based on EU standards and applicable best practices;</li> <li>Visit CDW management facility(ies) using technology which is effective, relevant and implementable in the WES PCs;</li> <li>Enable, encourage, and facilitate dialogue and exchange of experiences between public authorities and other key stakeholders from the PCs with those from the EU;</li> <li>Promote sharing of experiences among the PCs on CDW management practices; facilitate exchanges and the development of synergies and complementary activities within the Mediterranean;</li> <li>Launch a P2P process for experience sharing at regional level and knowledge transfer (south-to-south, north-to-south) around CDW management;</li> <li>Analyze possibilities for creation of a market for materials recovered from CDW.</li> </ul>	<p>A 2nd P2P meeting was organised on June 16<sup>th</sup>, 2022.</p> <p>The Regional Workshop and Study Visit took place physically in Marseilles from 20 - 22 September 2022. Synergy and coordination were ensured with the EU-supported project on C&amp;DW (RE-MED).</p> <p>A video crew accompanied the tour, visited the sites and interviewed some participants, in order to use the footage for the WES video on CDW management to be produced.</p>	
<p><b>Capacity Building</b> <b>Topic 3:</b> Prevention and reduction of industrial pollution <b>Topic 4:</b> Mainstreaming Integrated Environmental Management Horizontal: PPP &amp; Access to sustainable investment <b>Sub-Topic 4.1:</b> Support NAPs implementation</p>	<p><b>RE-5-REG: Supporting countries to implement NAPs (2016-2025)</b></p>	<p><b>Activity under conceptualisation</b></p>	<p>Activity planned to be held in 2024.</p>
<p><b>Technical Assistance &amp; Capacity Building"</b> <b>Topic 2:</b> Promotion of Circular Economy <b>Sub-Topic 2.2:</b> Waste management schemes and streams</p>	<p><b>RE-6 -REG / ST / P2P: Decentralized management of organic waste</b></p>	<p><b>Activity under conceptualisation</b></p>	<p>Activity planned to be start in May 2023.</p>
<p><b>Technical Assistance &amp; Capacity Building</b> <b>Topic 1:</b> Curbing Plastic Pollution &amp; Marine Litter <b>Topic 2:</b> Promotion of circular economy</p>	<p><b>RE-8-REG-P: Mediterranean "Champions" of plastic pollution prevention</b> The aim of the activity is to set up and implement a Call for Expressions of Intent for applied new/innovative on-going solutions to prevent pollution from plastics and through this process identify "Champions" in the WES PCs, aspiring to</p>	<p><b>Activity under preparation</b> The TOR have been submitted for approval to DG NEAR. The activity is to be kicked off in February/March 2023. A large team of 2 International Experts and a network of 7 Local Experts will be implementing the activity. The activity is expected to run for a period of</p>	<p>Planned work to involve the following:</p> <ul style="list-style-type: none"> <li>Design the activity and finalise the TOR</li> <li>Acquire the approval of the TOR by DG NEAR</li> <li>Start the activity's implementation</li> </ul>

Dimension / Topic / Sub-Topic	Activity title/Description	Progress made / Challenges encountered	Future Planning
	ultimately motivate further commitment and advancement of successful cases on plastics pollution prevention.	21 months, tentatively between the period of February/March 2022 to September 2024.	Set up and launch the Call of interest
<p><b>Technical Assistance &amp;Capacity Building</b> <b>Topic 1:</b> Curbing Plastic Pollution &amp; Marine Litter <b>Sub-Topic 1.1:</b> Marine litter monitoring and management <b>Sub-Topic 1.2:</b> Addressing single-use plastics</p>	<p><b>RE-9-REG: SUPs-free coastal and marine protected areas</b> Marine plastic pollution has been acknowledged as a major threat in coastal and marine protected areas (MPAs) of the Mediterranean, hampering the achievement of their conservation goals. MPA managers stand at the forefront of this issue lacking the tools, specific knowledge, and often the resources to effectively tackle it. WES will seek to capitalize upon the experiences and knowledge produced by the Plastic Busters MPAs project and support replication actions related to tackling SUPs in coastal and marine protected areas of the WES PCs. More specifically, in collaboration with the management bodies of Mediterranean MPAs and Biosphere Reserves (BRs) the following priority measures may be replicated:</p> <ul style="list-style-type: none"> <li>• Setting up a reusable cup delivery system for beach bars and festivals.</li> <li>• Establishing a network of SUPs-free food and beverage outlets within or in the vicinity of MPAs.</li> <li>• Adopt a beach.</li> </ul> <p>The aforementioned replication actions will be guided by dedicated guidelines on how to operationalize best practice solutions to tackle marine litter in Mediterranean MPAs, published by Plastic Busters MPAs project in 2022.</p>	<p><b>Activity under conceptualization</b></p>	<p>Activity planned to be start in August 2023.</p> <p>Future work to involve the following:</p> <ul style="list-style-type: none"> <li>• Design the activity and finalise the TOR</li> <li>• Acquire the approval of the TOR by DG NEAR</li> <li>• Start the activity’s implementation</li> </ul>
<p><b>Technical Assistance &amp;Capacity Building</b> <b>Topic 1:</b> Curbing Plastic Pollution &amp; Marine Litter <b>Sub-Topic 1.1:</b> Marine litter monitoring and management <b>Sub-Topic 1.2:</b> Addressing single-use plastics</p>	<p><b>RE-10-REG-P: Enhancing the Number of Responsible Tourism and Recreation Related Businesses in Coastal Areas</b> Capitalising on the pilot experience of the MEdIES (Mediterranean Educational Initiative for Environment and Sustainability) network on designing and implementing a cooperative scheme with local Authorities from coastal Municipalities and tourism enterprises from the island of Crete, Greece, for the drastic reduction of plastic pollution, WES plans to improve and upscale the activity.</p> <p>It is based on the acceptance by the enterprise of a Charter of Principles for a Responsible Tourism Business and the signing, by the enterprise and other partners (local municipality and NGOs), of a very simple “Voluntary Commitment/ Agreement”, where the Enterprise specifies which SUPs are going to be removed or replaced and by when, as well as any other relevant initiatives where the enterprise could contribute for the reduction of plastic pollution, including e.g. regular clean-ups of a specific beach, etc.</p> <p>Suitable coasts will be selected, the tripartite (city, enterprises, NGOs) collaboration will be agreed and formalized, through cooperation/commitment agreements.</p>	<p><b>Activity under conceptualization</b></p>	<p>Activity planned to start in August 2023.</p> <p>Planned work to involve the following:</p> <ul style="list-style-type: none"> <li>• Design the activity and finalise the TOR</li> <li>• Acquire the approval of the TOR by DG NEAR</li> <li>• Start the activity’s implementation</li> </ul>

**TABLE 3: PROGRESS IN HORIZONTAL LEVEL ACTIVITIES**

Dimension / Topic	Activity title/Description	Progress made / Challenges encountered	Future Planning
<p><b>Technical Assistance &amp; Capacity Building</b></p> <p><b>Topic:</b> Awareness Raising &amp; dissemination of Information</p> <p><b>Sub-Topic 1.1:</b> Capacity Building &amp; Enhancement of the Enabling Conditions</p>	<p><b>HE-3-REG: Educating for Sustainable Development (ESD) with focus on WasteWater Treatment (WWT) for reuse and Non-Conventional Water Resources (NCWRs)</b></p> <p>The overall aim of this regional activity was to provide technical assistance and strengthen the capacities of the WES Partner Countries to effectively implement Water related Education for Sustainable Development (ESD) with emphasis on water reuse after appropriate WasteWater Treatment (WWT) and other Non-Conventional Water Resources (NCWRs) (rainwater, food water, etc.).</p>	<p><b>Activity completed</b></p> <p>The activity’s TOR were approved on the 9<sup>th</sup> of November 2021 and the team of NKEs began implementation with the development of the Concept Note. Invitations for the appointment of trainees were sent to both the Water and Environment WES FPs in January 2022.</p> <p>The regional training comprised two on-line Modules (Webinars) focusing on the following topics:</p> <ul style="list-style-type: none"> <li>• Module 1: “Implementing WWT and NCWRs, in the framework of the Whole Institute Approach and ESD” held on the 23<sup>rd</sup> of February 2022</li> <li>• Module 2: “ESD Methodologies: Proposed didactic approaches to educate about water and NCWRs” held on the 9<sup>th</sup> of March 2022.</li> </ul> <p>Training report has been finalised and can be found on the WES website (please click <a href="#">here</a> to follow the link).</p>	
<p><b>Enhancement of the Enabling conditions</b></p> <p><b>Topic:</b> Legal and Regulatory aspects</p>	<p><b>HE-4-REG / HRE-4-P2P: Overall environmental governance - promotion of the Aarhus Convention in the whole of the Mediterranean</b></p> <p>The issue of the provision of timely and accurate environmental information to society (e.g. within the process of EIAs and SEAs) and the encouragement of citizens, organized stakeholders, private sector, municipalities and the media to be involved in activities and initiatives for the protection of the environment and natural resources (water, biodiversity, etc.) is one of the most difficult in the Mediterranean. There are historical socio-political reasons for the reduced meaningful involvement of citizens in this area. Now many Mediterranean governments try to improve environmental governance and mobilize citizens organizations in becoming constructive allies in dealing with the accumulated environmental and sustainability problems.</p> <p>The Mediterranean Commission of Sustainable Development (MCSD) and the Mediterranean Strategy for Sustainable Development (2016-2025) encourages all Mediterranean countries to accede to the Aarhus Convention that provides for access to environmental information, active public participation and access to justice on environmental issues. It has approved a flagship initiative on this issue and this WES activity will allow the sharing of experiences between European countries (already members of the Aarhus Convention) and non-European ones.</p> <p>The regional activity will address mostly officials of Ministries of Environment and Water but also governmental departments dealing with International Conventions as well as key environmental NGOs. The Aarhus Secretariat under UNECE will</p>	<p><b>On-going activity</b></p> <p>The TOR were approved by the EC on the 28<sup>th</sup> of January 2021.</p> <p>The activity is designed every step of the way with the Secretariats of UNEP/MAP, the Aarhus Convention and the UfM. It was agreed that the FDD and its Summary for Policy Makers could (a) be presented at the 9<sup>th</sup> Environment for Europe Conference (EfE9) Conference at a dedicated formal side event on the 7<sup>th</sup> of October 2022; (b) be discussed at a first P2P meeting in February 2023.</p> <p>The Desk Study component (undertaken by another project) for the development of a Foundation Discussion Document (FDD) for a “Mediterranean Accession Agenda” to the Aarhus Convention and a Summary for Policy Makers have been finalised.</p> <p>The EfE9 side event was one of the most successful ones of the Conference, with more than 45 participants including Parliamentarians, government officials and Civil Society representatives. It contributed to the dissemination of the progress of the work achieved under WES and of the next important steps that will take place.</p> <p>Accordingly, the Concept Note of the P2P Process was developed and submitted to the FPs (both Environment and Water) along with the formal invitation to appoint Peers by January 2022.</p>	<p>Planned work to involve the following:</p> <ul style="list-style-type: none"> <li>• Organise a Peer-to-Peer meeting in February 2023.</li> <li>• Organise a Regional Training in September 2023.</li> </ul>

Dimension / Topic	Activity title/Description	Progress made / Challenges encountered	Future Planning
<p><b>Enhancement of the Enabling conditions</b></p>	<p>cooperate with WES, the MCSD and the UfMS for this regional activity.</p>		
	<p><b>HE-5-REG: Knowledge Management; Science/Policy interface; citizen science</b></p> <p>The activity will help countries and stakeholders to understand better the issues related with the use of data and knowledge management to the use of science for the citizens' benefit, propose and/or enhance and implement strategies and measures to address them in three ways by creating the appropriate institutional framework. 1) By designing the systematic collection and treatment of data showing how data information systems can be used for information purposes, knowledge sharing and decision-making, eventually through specified institutions and synergies. Synergies and complementarities with IMAP will be very close. 2) By designing best ways to capitalize benefits from worthy scientific research useful for decision making. 3) By systematizing the citizen science opportunities with emphasis on known applications on waste disposal, nature (e.g. fauna, flora), noise, pH, etc.).</p> <p>Best practices (mostly from EU countries but also from PCs) and experiences from demo and other projects (several H2020 research projects exist) will be presented.</p> <p>WES Youth, gender equality and networking efforts will be linked with this regional activity as well.</p>	<p><b>Activity under conceptualisation</b></p>	<p>Activity planned to start in January 2024.</p>
<p><b>Capacity Building</b> Topic: Horizontal: PPP &amp; Access to sustainable Investment</p>	<p><b>HRW-1- REG: Capacity building on PPP, green/blue economy entrepreneurship and banking for the water/wastewater sector</b></p>	<p><b>Activity under conceptualisation</b></p>	<p>Activity planned to start in January 2024.</p>

**COMPONENT 2: EFFICIENT USE OF WATER**

**TABLE 4: PROGRESS IN NATIONAL LEVEL ACTIVITIES (EFFICIENT USE OF WATER)**

Dimension / Topic / Sub-Topic	Activity title/Description	Progress made / Challenges encountered	Future Planning
<p><b>Technical Assistance &amp; Capacity Building</b>  <b>Topic 1:</b> Water Use Assessment, estimation  <b>Topic 2:</b> Water Efficiency Gains at Decentralised Level  <b>Topic 3:</b> Water Resources Valuation, Cost Recovery, Affordability of water services  <b>Subtopic 2.2:</b> Non-Revenue Water (NRW) Management</p>	<p><b>N-W-DZ-1: Conduct a diagnosis for the performance of Non-Revenue Water (NRW) and develop a plan for NRW improvements focusing on minimum cost of interventions with fast investment paybacks.</b></p> <p>The activity builds on the achievements of its predecessor project from the SWIM-H2020 SM, (implemented at ADE Blida (2017-2018)). It aims to quantify the different components of losses individually, including business losses and contribute by developing recommendations to the adoption of best practices such as GIS to enable the 'analysis of the geographical distribution of leaks, and facilitate the establishment of the link between the customer database and the GIS.</p> <p>The Action Plan that will be developed for the reduction of NRW planned under the activity will also help the utility to implement tangible and immediate actions to reduce the NRW and therefore improve performance of the public water service.</p> <p><b>The activity is operationally linked with N-W-EG-1, N-W-JO-1, N-W-PS-1 and RW-6-REG.</b></p>	<p><b>On-going activity</b></p> <p>Following the installation of metering equipment in 2021, a new set of the equipment calibration and some test measurements were carried out under continuous power supply for one day on 30 March 2022 to analyse the behaviour of the network under such conditions, and propose solutions, if needed. This was followed by a 5-day mission (22-26 May 2022) to verify the installation works of manholes, valves and support taps, etc, in the pilot area and undertake flow and pressure monitoring. The mission included a 2-day practical hands-on training and structured classes for ADE NRW team.</p> <p>During September 2022, and building on the findings of the work carried out, the hydraulic balance report of the pilot area was prepared. The Deliverables of Tasks 3 and 4 on the Results of the flow and pressure monitoring in the DMA and the Water Balance were jointly prepared in a common report and were submitted in October 2022. The report is to serve as the basis for the subsequent “on-the-job learning” and training, undertaken in November 2022, on calculating the water balance to ensure replicability elsewhere in the ADE.</p> <p>The GIS report has been finalised while the GIS data model report is still awaiting finalisation with a view to the Key Water Expert’s comments. The Sectorized pilot zone is being established. An information note on the mobile GIS and the advantages of using it in the field was prepared in June 2022 for ADE Boumerdes.</p> <p>Two working sessions of the GIS Team were organised on-line on the 12<sup>th</sup> and 19<sup>th</sup> of October 2022. Certificates on behalf of the project were prepared for the participation of the referents in the activity and were distributed to them.</p> <p>The local WES activity team also provided an on-the-job training for NRW referents (6-10 November 2022) and a training for GIS referents (6-9 November 2022).</p> <p>An internal meeting between the ADE and the NKEs was organized on the 15<sup>th</sup> of December 2022 to discuss the results of tasks 2, 3 and 4.</p>	<p>Work to involve the following:</p> <ul style="list-style-type: none"> <li>• Hold an on the job training for NRW referents: 6-10 November, 2022</li> <li>• Hold training for GIS referent: 6-9 November 2022</li> <li>• Hold a half day on-line technical workshop to discuss the results of tasks 2, 3 4 on December 15<sup>th</sup> 2022</li> <li>• Prepare an Action Plan for the NRW reduction in the pilot zones</li> <li>• Hold the national consultation workshop in March 2023</li> </ul>
<p><b>Technical Assistance &amp; Capacity Building</b>  <b>Topic 1:</b> Water Use Assessment, estimation  <b>Topic 2:</b> Water Efficiency Gains at Decentralised Level  <b>Subtopic 2.3:</b> Water Demand Management (WDM)</p>	<p><b>N-W-DZ-2: Potential of Water use efficiency and water saving in domestic water</b></p> <p>The main objective of this activity is to introduce a proactive approach to WDM in a selected residential area in order to support the development of effective intervention strategies aimed at reducing domestic water consumption. To this end, WES will develop a methodology for the implementation of surveys on the efficiency of residential water use and to assess the behaviour of water users in a selected residential area with the aim to guide the future development of WDM strategies.</p>	<p><b>On-going activity</b></p> <p>The pilot area selected is the city of Remla in the municipality of Bejaia. With regards to the implementation of the survey on the efficiency of residential water use and assessing the behaviour of water users, the methodology was developed and the questionnaire to be used during the survey was also prepared. Kobotoolbox software has been deployed on tablets rented by the WES project. A training manual was developed for training of the survey team on the implementation of the survey.</p> <p>The survey was carried out in the week of 12 December 2021, but a follow up was arranged in March 2022, covering 100 additional subscribers. This</p>	<p>Work to involve the following:</p> <ul style="list-style-type: none"> <li>• Estimate the savings and expected benefits in terms of water and energy. Calculate the cost of water saving devices (WSDs) and their installation or replacement, benefit / cost ratio and payback period</li> <li>• Schedule an internal training between the NKEs on the use of outputs (ex: excel files) that</li> </ul>

Dimension / Topic / Sub-Topic	Activity title/Description	Progress made / Challenges encountered	Future Planning
	<p>The activity will serve to improve knowledge of water use patterns inside and outside residential buildings in a pilot neighbourhood, including users' behaviours and attitudes towards water conservation. This will include the design of targeted water demand management (WDM) interventions in the target area and a water use efficiency program presenting good WDM practices.</p> <p><b>The activity is operationally linked with N-W-MO-1 and RW-3-REG.</b></p>	<p>additional survey was carried out by ADE staff. The data collected were incorporated into KoboToolBox" and analysed in order to identify opportunities for the implementation of water use efficiency measures and propose water use efficiency programs.</p> <p>Training certificates were produced and handed by the local NKE to the trainees.</p> <p>The survey analysis report with recommendations and water use efficiency measures as well as a road map for its implementation are still ongoing. Initial findings indicate skewed survey analysis results are making drawing representative conclusions of the different users' behaviour quite difficult. Additional analysis using other programs will be carried out including exploring the option of using SPSS program.</p> <p>A Change Note is under preparation for the redistribution of the NKEs' days into the activity's remaining tasks and the determination of the additional LOE needed.</p>	<p>integrate the correlations identified in the SPSS</p> <ul style="list-style-type: none"> <li>• Submit a Change Note for the redistribution of remaining days</li> <li>• Schedule a training for ADE's staff on the interpretation of data (Task 3.1)</li> </ul>
<p><b>Technical Assistance &amp; Capacity Building</b></p> <p><b>Topic 1:</b> Water Use Assessment, estimation</p> <p><b>Topic 2:</b> Water Efficiency Gains at Decentralised Level</p> <p><b>Topic 3:</b> Water Resources Valuation, Cost Recovery, Affordability of water services</p> <p><b>Subtopic 2.2:</b> Non-Revenue Water (NRW) Management</p>	<p><b>N-W-EG-1: Strengthen the water utilities capacities to manage/reduce non-revenue water (NRW) and detect leakage</b></p> <p>The overall objective of this activity is "to assist a selected water utility to target the reduction of Non-Revenue Water (NRW) and to continue its efforts to improve NRW management".</p> <p>The specific objectives are to:</p> <ul style="list-style-type: none"> <li>• Investigate the situation of NRW management in a pilot city served by Asyut Drinking Water and Sewerage Company and prepare its network, as part of a rational planning aimed for NRW reduction, for the next stage of implementation of distribution zones/sectors and their subsequent division into District Metered Areas (DMAs).</li> <li>• Implement and calibrate a hydraulic model for the network of the pilot city as a tool to provide valid support to move into the design stage and establishment of DMAs</li> <li>• Introduce internationally recognised best practices for improving NRW management.</li> <li>• Build the capacity of the utility staff involved in the pilot area through on-the-job training</li> <li>• Develop a manual documenting the proposed procedures for reducing NRW in the Asyut city water network.</li> </ul> <p><b>The activity is operationally linked with N-W-DZ-1, N-W-JO-1, N-W-PS-1 and RW-6-REG.</b></p>	<p><b>On-going activity</b></p> <p>Significant work has been done to complete the customers' data consumption and geo-localisation of the customers' meters in preparation for water demand estimations. Discharge and pressure field measurements were also taken and data were analysed by the two NRW experts to prepare it for further use for the calibration of the hydraulic model under Task 3.</p> <p>A mission was successfully carried out by the International NKE and the two local NKEs at Asyut's Water and Wastewater company premises, which comprised one week of on-the-job training on the preparation of model geometry and demand allocation. The data required to build the model were analysed with AWWC. Zones and control points and the first set of monitoring points were also identified.</p> <p>Following an internal meeting with the partners, on the 8<sup>th</sup> of August 2022, to discuss and clarify some uncertain information and agree on the path to follow to get the final information to be used, hydraulic model calculations were implemented and completed.</p> <p>The report that includes both the calculation and the DMA design, the sizing of the flowmeters for the DMA and considerations for next steps was completed and is under review by the KE. Tasks 3 and 4 are completed. The manual for the elaboration of procedures to reduce NRW was also prepared together with the synthesis report, both of which are currently under review by the key water expert.</p> <p>The team is planning to conduct the final consultation workshop to be preceded by a 2 day on-the-job training (on setting up supply zones and DMAs and water balance calculations, in addition to the proposed NRW reduction procedures that were elaborated in the above mentioned manual).</p> <p>Two Change Notes to revise the level of effort between the experts for the proper implementation of the activity were developed in March and November 2022.</p>	<ul style="list-style-type: none"> <li>• Work to involve the following: Schedule and organise a 2-days on-the-job training back to back with the final consultation workshop from Feb 12th to Feb 16th 2023.</li> </ul>

Dimension / Topic / Sub-Topic	Activity title/Description	Progress made / Challenges encountered	Future Planning
<p><b>Technical Assistance</b> <b>Topic 2:</b> Water Efficiency Gains at Decentralised Level <b>Topic 5:</b> Enhancing Water Efficiency and Productivity in Agriculture <b>Horizontal:</b> PPP &amp; Access to Investment <b>Subtopic 4.1:</b> Agriculture Water Use Efficiency</p>	<p><b>N-W-EG-2: Assist Egypt in the development of financing mechanisms allowing the private sector to be involved and improve "water network management and resources efficiency at the on-farm level"</b></p> <p>The activity will contribute "to increase agricultural water productivity" corresponding to the first outcome proposed in the National Water Resources Plan (NWRP 2017-2037) under the second pillar: "Rationalise Water Use". It will also contribute to the achievement of the following NWRP-related components:</p> <ul style="list-style-type: none"> <li>Objective 4: "Improve enabling environment for IWRM"</li> <li>Measure 4-3-1: "Developing resources to finance water resources projects" for which one indicator is "total investments in water resources financed by the private sector...outside the government budget".</li> </ul> <p><b>The activity is operationally linked with N-W-IL-2 and HW-1- REG</b></p>	<p><b>On-going activity</b></p> <p>The scope of the activity was revised limiting it to the water network management and resources efficiency at the farm level, instead of the original concept involving both on-farm and main network. A local expert was added to the team to work on the ground.</p> <p>The first part of the overall activity deliverable (Chapter 1) summarising the findings of the review and evaluation of existing financing mechanisms and Public-Private Partnership framework in Egypt, and providing recommendations was developed and submitted to the Focal Point for review. Comments were received in April 2022.</p> <p>An overview document on financing mechanisms used globally within the agricultural sector, selection criteria for the benchmarking, as well as examples of alternative finance models in countries that meet the selection criteria was submitted to the FP in March 2022 in order to select two countries with significant reforms in the agricultural sector related to the financing of on-farm irrigation investments (infrastructure) and modernisation of on-farm equipment, as case studies. It was confirmed that Morocco and Portugal would be the two case study countries. The second part of the activity's deliverable on that overview was prepared and shared for comments in August 2022, and was later approved by the FP. The WES key water expert also reviewed the document and shared her comments with the expert for further consideration and integration into the deliverable.</p> <p>The report is to be shared as preparatory material for the consultation workshop to be organised and findings will be presented to the relevant stakeholders. The report will be revised to reflect its outcomes and any comments made.</p> <p>Preparations were made for the organisation of the National Consultation Workshop and Media Briefing on the 20<sup>th</sup> December 2022 assuming that the related security permit was obtained on time.</p> <p>Unfortunately, the Consultation Meeting planned was postponed as the security permit was not obtained by that time. It is now to be carried out at a later date in 2023.</p>	<p>Work to involve the following:</p> <ul style="list-style-type: none"> <li>Organise the National Consultation Workshop</li> </ul>
<p><b>Technical Assistance</b> <b>Topic 3:</b> Water Resources Valuation, Cost Recovery, Affordability of water services <b>Subtopic 3.1:</b> Tariffs</p>	<p><b>N-W-IL-1: Evaluation of new methods to reduce the cross subsidies in the agricultural water tariff in Israel.</b></p> <p>The general objective of the activity is to assist Israel in the implementation of its water reform emanating from the 2017 "Amendment 27" to the Water Law, with regards to the planned reduction of cross-subsidies in the water tariff of the agricultural sector.</p> <p>The specific objectives of the activity are:</p> <ul style="list-style-type: none"> <li>Broad review of agricultural water tariffs and subsidies methods and practices in leading OECD countries – successes and failures analysis.</li> </ul>	<p><b>On-going activity</b></p> <p>The qualified countries for benchmarking water tariff and subsidies methods selected are Italy and Australia.</p> <p>The review of the OECD policies and tariff structures and subsidy methods on water related to agricultural water programmes has been carried out, together with comparison of these methods the (subsidy) model applied in Israel focusing on the northern part and investigating their applicability in the Israeli context in addition to the recommendations for implementation. The deliverable (Task 2 report) related to this task was submitted to the Focal Point in December 2021</p> <p>The WES Team presented their findings under Task 2 to the Ministry in May 2022 and the report was therefore approved.</p>	<p>Work to involve the following:</p> <ul style="list-style-type: none"> <li>Conduct a 1-day workshop to present the results of the activity.</li> </ul>

Dimension / Topic / Sub-Topic	Activity title/Description	Progress made / Challenges encountered	Future Planning
	<ul style="list-style-type: none"> <li>• Profound 2-3 case studies of countries with major efficient reforms in the agricultural sector related to subsidies through water tariffs or alternative mechanisms.</li> <li>• Recommend new methods for supporting the agricultural sector (such as government budget, and other methods of direct subsidies) and sustaining farming based on the review and the case studies</li> </ul> <p><b>The activity is operationally linked with N-W-EG-2 and HW-1-REG</b></p>	<p>A Consultation meeting to introduce the methods and practices investigated in the case studies, to discuss and agree upon the proposed recommendations is to be held next. However, the Israeli counterparts at the Ministry informed the team that they cannot be sure when this would be possible, due to the ongoing Water Sector reform. The team is still waiting for feedback on a suitable time for the meeting, having expressed its concern that it may be abandoned in the end.</p>	
<p><b>Technical Assistance</b> <b>Topic 2:</b> Water Efficiency Gains at Decentralised Level <b>Subtopic 2.1:</b> Non-Conventional Water Resources</p>	<p><b>N-W-IL-2: Storm water management and Natural Water Retention Measures</b> The activity is meant to:</p> <ul style="list-style-type: none"> <li>• Enrich knowledge and know-how of NWRM including storm water management in urban areas</li> <li>• Review of best management practices for NWRM</li> <li>• Learn from the experience achieved from designing NWRM in two pilot cases in Israel at the feasibility level.</li> <li>• Review of economic incentives and regulation to support and amplify storm water management</li> <li>• Better understand the relationship between rural and urban storm water in the context of storm water management</li> </ul> <p><b>The activity is operationally linked with N-W-JO-2, N-W-LB-1, N-W-TN-2 and RW-4-REG.</b></p>	<p><b>On-going activity</b></p> <p>A mission of the project team was carried out in January 2022 with the purpose of: a) spot proofing the selected pilot cases: -Neve Sha'anana pedestrian mall in downtown Tel Aviv. -The peri urban Be'er Ya'akov (close to Tel Aviv) and (b) discussing the proposed sites with the local stakeholders/partners to ensure obtaining their feedback on any local restrictions or obstacles that cannot be foreseen now and agreeing on the selection.</p> <p>Possibilities for collaboration and developing synergies with a project being also implemented in the same area in Tel Aviv "Climate for Cities" program – "Water Sensitive Cities" were later discussed between the two NKEs implementing the activity, Ms Perry and Ms Goldstein from the EU Delegation in Tel Aviv and Ms Mor from the Municipality of Ramat-Gan.</p> <p>The team has been working on the hydraulic design of the raingarden and swales solutions to be applied selectively to the pilot areas. They were in communication with the local expert of landscape architecture for the provision of information in the local context, reviewing and proposing possible modifications and improvements in order to finalise the design. Once the design of the NWRMs was completed, a combined report for Tasks 2,3,4 was prepared by the NKEs and submitted to the Focal Point in December 2022. The report presented all the work carried out on the Selection of pilot case studies, the Basic design of NWRMs in the pilot areas and the Review of economic incentives and regulation regarding storm water management.</p>	<p>Work to involve the following:</p> <ul style="list-style-type: none"> <li>• Conduct a workshop involving relevant national and local stakeholders in order to present, discuss and further promote the sustainability of NWRMs in Israel.</li> </ul>
<p><b>Technical Assistance</b> <b>Horizontal:</b> Legal and Regulatory aspects <b>Subtopic 2.2:</b> Non-Revenue Water (NRW) Management</p>	<p><b>N-W-JO-1: Elaboration of non-revenue water policy for Jordan</b> The overall objective of this activity is to support Jordan's water sector in its on-going efforts to reduce nonrevenue water, thus contributing to improved network efficiency, improved service provision and increased cost recovery.</p> <p>The specific objectives are to assist the Jordanian Ministry of Water and Irrigation in the elaboration of a non-revenue water policy that builds on the real situation and lessons learnt from pilot projects and other works in Jordan, and sets clearly defined rules for the development and implementation of NRW reduction and control in the country in order to achieve the national goals for</p>	<p><b>Activity to be initiated</b></p> <p>The activity was kicked off on the 15th of February 2022.</p> <p>The experts have been working on collecting data and reports from the Ministry, donors and other sources. The local NKE conducted a series of meetings with the institutional stakeholders.</p> <p>The team established an inventory of the current status of nonrevenue water management Jordan and is working on the preparation of the draft policy background report to include the preliminary list of the main stakeholders to be involved in the activity.</p> <p>The originally planned small iterative online consultation meetings and discussions, with the main partners and project beneficiaries in each</p>	<p>Work to involve the following:</p> <ul style="list-style-type: none"> <li>• Finalise and submit the combined Deliverables T1 and T2</li> <li>• Propose recommendations for improvements and the main axes around which the policy document will be developed: Deliverable T3 (including report write up))</li> <li>• Task 2: Organise 0.5 day consultation workshop in February/March 2023</li> </ul>

Dimension / Topic / Sub-Topic	Activity title/Description	Progress made / Challenges encountered	Future Planning
<p><b>Technical Assistance</b> <b>Topic 2:</b> Water Efficiency Gains at Decentralised Level <b>Subtopic 2.1:</b> Non-Conventional Water Resources - Water retention</p>	<p>reduced and sustained NRW - consistent with the proposition of Jordan's national strategy for water.</p> <p><b>N-W-JO-2: Explore the potential of Natural Water Retention Measures (NWRM) at the catchment scale</b> The activity is meant to:</p> <ul style="list-style-type: none"> <li>• Enrich knowledge and know-how of NWRM including storm water management in peri-urban areas as well as in rural/natural areas according to water usage.</li> <li>• Review of best management practices for NWRM.</li> <li>• Learn from the experience achieved from designing NWRM in two pilot cases in Jordan at the feasibility level.</li> <li>• Review of economic incentives and regulation to support and amplify storm water management.</li> <li>• Better understand the relationship between rural/natural and peri-urban storm water in the context of storm water management.</li> </ul> <p><b>The activity is operationally linked with N-W-IL-2, N-W-LB-1, N-W-TN-2 and RW-4-REG.</b></p>	<p>prefecture, are to be replaced by a two-day face-to-face workshop outside their work base (in the Dead Sea) through a Change Note in September 2022. The aim of this workshop is to discuss the draft proposal of the policy as soon as it gets ready.</p> <p><b>On-going activity</b></p> <p>A mission was carried out in Jordan (Dec 2021) to a) undertake an on-site expedition for the purpose of spot proofing the selected pilot cases in Amman (in collaboration with GAM) and Azraq areas (in collaboration with the Jordan Valley Authority (JVA) and INWRDAM) b) conduct a stakeholders' consultation workshop in order to: present and validate the report on best practices in NWRM and present the proposed sites to the stakeholders. The mission helped set the basis of the work on this activity. Data (meteorological, geological, land use and topographic data) important for the design phase was requested from GAM and MWI but without feedback. Follow up actions have been organised in May 2022. The delays in the implementation of the activity were discussed with the EU Delegation for its intervention and assistance in acquiring the necessary data. After various exchanges, it was suggested by the EUD that if GAM and INWARDAM cannot provide the needed feedback, they would need to let the WES team know, in order to work on alternative plan/sites. In early November, GAM informed the project team that the proposed site (previously discussed during the consultation workshop in December 2021 and agreed upon) can no longer be considered, and that they would need to refer to the Director of the Department of Agriculture, in order to discuss potentially suitable gardens in GAM, as pilot areas instead of the originally agreed upon site. Following a discussion with the Focal Point and the Assistant Secretary General of the Jordanian Ministry of Water and Irrigation for technical affairs, a proposed area in Ajloun governorate is being reviewed, in order to replace the pilot area in the Greater Amman municipality. The suitability of the proposed area in Ajloun, is being examined, through collection of data on that area following the meeting that was organised with Ajloun Municipality on 26 Dec 2022. The missing data for the rural area (Azraq) was shared in the meantime, with the WES team and the team is working on the design of the right NWRMs for the area.</p>	<p>Work to involve the following:</p> <ul style="list-style-type: none"> <li>• Collect all necessary data for the candidate area in Ajloun governorate and decide on its suitability as pilot urban area</li> <li>• Design the most suitable NWRMs for the rural area in Azraq and the urban area to be ultimately selected.</li> </ul>
<p><b>Technical Assistance</b> <b>Topic 1:</b> Water Use Assessment, estimation <b>Topic 2:</b> Water Efficiency Gains at Decentralised Level <b>Subtopic 2.1:</b> Non-Conventional Water Resources</p>	<p><b>N-W-LB-1: Explore the potential of Natural Water Retention Measures (NWRM)</b></p> <p><b>To be linked with N-W-IL-2, N-W-JO-2, N-W-TN-2 and RW-4-REG.</b></p>	<p><b>Activity cancelled</b></p> <p>Under the recommendation of the political leadership of the Ministry of Energy and Water (MoEW) and the EUD, the originally proposed national activities back in 2019 were frozen until the 1st workshop of the AFD/EU technical assistance (TA) project focusing on the water sector reform would take place, in order to ensure there would be no overlap with WES activity and ensure alignment with the sector strategy.</p>	

Dimension / Topic / Sub-Topic	Activity title/Description	Progress made / Challenges encountered	Future Planning
		<p>WES was following up on the progress of the project. The Water Strategy was finalised and in June 2021, the EUD informed the WES Team that the AFD project was also slowly advancing. A meeting was organised on the 21st of July 2021 between the EUD, the WES Team, the advisor at MoEW and the Focal Point to re-assess and push forward the activities jointly identified with WES, verify their applicability, assess the required level of effort (LOE) and to start planning their implementation.</p> <p>Following that, based on the recommendation of the political leadership of the MoEW and the EUD, the project was in continuous discussion with both on the conceptualisation of an activity on the “feasibility study for the Implementation of an Integrated Hydrological Information System (IHIS) in Lebanon”, later on conceived as “Advancing the National Water Resources Monitoring Network and Data Repository of Lebanon” under the WES project, which would replace the two activities originally put on hold since 2019. Several meetings were organised in order to exchange information and agree on the request of the EU Delegation and the Ministry in line with the project’s available resources and the possibility for funding the eventually needed/expected infrastructure by the EC or other Donors. The activity would include the following:</p> <ul style="list-style-type: none"> <li>• Data Collection, Field Survey of Existing Monitoring Network</li> <li>• Design of a country-wide hydro-meteorological network / Upgrade of existing monitoring network and estimate the related costs</li> <li>• Institutional framework and data sharing protocols</li> <li>• Action Plan and financial costs estimation for the Complete Network Implementation including its operation and maintenance</li> </ul> <p>After the last version of the Concept Note was submitted at the end of March 2022 to the MoEW, the Focal Point replied in writing that she cannot commit to the activity, based on a long argumentation. DG NEAR requested a formal letter of request for the implementation of this activity from the Ministry which however had not been received till the end of April 2022.</p> <p>In the beginning of June, the EUD informed the task manager that the foreseen collaboration with BRG has been abandoned since the latter did not dispose of the funds to finance the acquisition of the necessary equipment. Therefore, with the agreement of all parties concerned, the activity has been abandoned.</p>	
<p><b>Technical Assistance</b> <b>Horizontal:</b> Legal and Regulatory aspects (of mainstreaming WUE) <b>Subtopic 2.3:</b> Water Demand Management (WDM)</p>	<p><b>N-W-MO-1: Support WDM in relation to water scarcity.</b> The general objective of the proposed activity is to provide support to the “Ministry of Equipment, Transport, Logistics and Water (METLE)” to advance / improve water demand management (WDM) in Morocco in specific uses, namely; domestic, public and tourist uses. <b>The activity is operationally linked with N-W-DZ-2 and RW-3-REG.</b></p>	<p><b>On-going activity</b></p> <p>A joint Diagnostic Report on Tasks 1, 2, and 3 was prepared and was submitted to the Focal Point on the 11th of January 2022 for comments. Recommendations for setting up an organizational and institutional plan have been included.</p> <p>Based on the request of the Focal Point, and the fact that some data was still missing, it was agreed to present the activity’s findings to date to the stakeholders and discuss the open questions with them so that the first part of the activity (task 1, 2 and 3) could be finalised, considering that it is more relevant to an institutional/regulatory/technical and communication assessment at national level. The workshop, that was organised on the</p>	<p>Work to involve the following:</p> <ul style="list-style-type: none"> <li>• Benchmark on the performance of the techniques used in WDM under different sectoral uses according to the TOR.</li> <li>• Prepare a guide to carry out a water audit according to the ToR</li> <li>• Development of an action plan and organisation a one-day national consultation workshop.</li> </ul>

Dimension / Topic / Sub-Topic	Activity title/Description	Progress made / Challenges encountered	Future Planning
		<p>23rd of June 2022, served for agreeing on the proposed methodology for task 4 as well. A Change Note to reflect this addition to the activity, was prepared.</p> <p>The consolidated report corresponding to the first three tasks together with the appendix were revised to reflect the findings of the workshop and the comments that were received thereafter from several stakeholders. The final report was subsequently submitted for approval of the FP. The proposed outline of Task 4 report is also being revised to reflect further discussions with the partners on this task, during a dedicated webex meeting that was held on 7 July 2022.</p> <p>In December 2022, a first draft of task 4 deliverables (related to benchmarking of the techniques used in WDM for the domestic uses and the guide for carrying out a water audit) were submitted and reviewed by WES Key Water Expert. The report is currently being reviewed to reflect WES comments.</p>	
<p><b>Technical Assistance &amp; Capacity Building</b> <b>Topic 3:</b> Water Resources Valuation, Cost Recovery, Affordability of water services <b>Subtopic 3.3:</b> Water Services Cost recovery</p>	<p><b>N-W-MO-2: Elaboration of strategies for cost recovery, and development of tools for the evaluations of costs related to water</b></p> <p>The general objective of the proposed activity was to support the Ministry of Equipment and Water (MEE) with tools for controlling water-related costs and developing strategies capable of ensuring proper recovery of these costs through fair prices. Given the limitation of the level of effort allocated to this activity, the implementation of the activity was limited to the action area of Oum Er Rbia Hydraulic Basin Agency.</p> <p>The specific objectives of this activity were:</p> <ul style="list-style-type: none"> <li>• Critically analyse the existing pricing and collection systems in the water and sanitation sector in the pilot area of Oum Er Rbia Water Basin Agency (ABHOER);</li> <li>• Develop monitoring and evaluation procedures for water-related pricing;</li> <li>• Develop a strategy for the recovery of water-related costs and a road map for its implementation</li> </ul>	<p><b>Completed activity</b></p> <p>In February 2022, Deliverable 3.1 on the strategy developed to improve the recovery of water-related cost with a roadmap of proposed actions was submitted. Upon the request of the FP, the project team submitted a consolidated report, containing the findings of Tasks 1, 2 and 3 in April 2022. The report has been under review by the acting Focal Point.</p> <p>A meeting was organised on the 10th of August 2022 between WES project, the expert and the country to discuss the consolidated report. Since WES did not get any recent data from the partners in the water sector, not even a complete set from the study area, the analysis under this activity was made with updated data from the earlier WB study of 2012/13. Due to the limited time allocated to the activity, it was also not possible to do analysis of the cost of water for the 5 complexes in the study area. Instead, a methodology was developed and applied only to one complex of dams, distribution canals, irrigation schemes and urban and rural water supply systems. An in-depth study of the cost of water for all the complexes would require much more time. Furthermore, the data that were requested from the partners were not provided. It was therefore proposed by the partners that the data collection process is relaunched to get more recent data.</p> <p>Additional comments on the consolidated report were sent to the WES team in August 2022. Meanwhile, the efforts to relaunch the data collection process did not succeed.</p> <p>In early January 2023, the acting Focal Point informed the team that the report does not meet the requirements of the terms of reference, with regards to the evaluation of the real costs of water, however as no more data is expected to be made available, it was suggested to end the activity.</p>	
<p><b>Technical Assistance &amp; Enhancement of the Enabling Conditions</b> <b>Topic 2:</b> Water Efficiency Gains at Decentralised Level</p>	<p><b>N-W-PS-1: Design actions/modalities for improved water billing and fees' collection rates also with a view to support outsourcing and PPP and engagement through Micro PSP</b></p>	<p><b>On-going activity</b></p> <p>Due to the change of pilot area, and subsequent necessary communications and development of criteria for the selection of a new</p>	<p>Work to involve the following:</p> <ul style="list-style-type: none"> <li>• Collect comments from the Ministry on the deliverable of Task 2, incorporate the comments and</li> </ul>

Dimension / Topic / Sub-Topic	Activity title/Description	Progress made / Challenges encountered	Future Planning
<p><b>Topic 3:</b> Water Resources Valuation, Cost Recovery, Affordability of water services <b>Horizontal:</b> PPP &amp; Access to Investment <b>Subtopic 2.2:</b> Non-Revenue Water (NRW) Management</p>	<p>The general objective of the activity is to improve water billing and fees' collection rate through improved procedures and processes - including through out-sourcing to the private sector. It includes recommendations for a pilot Micro-PSP Project and the next steps.</p> <p><b>The activity is linked with N-W-DZ-1, NW-EG-1, N-W-JO-1 and RW-6-REG</b></p>	<p>pilot area, the role of the local expert had to be enhanced, through a Change Note (March 2022).</p> <p>The Inception Report was submitted to the FP and comments were received from PWA in April 2022. The initial findings and conclusions emanating from the implementation of task 2 which included assessing the feasibility of Micro PSP approaches in Palestine revealed that Micro-PSP is not feasible or a preferred option. The scope of the activity was adjusted to reflect that, through a Change Note that followed.</p> <p>The report on the "Data &amp; Information Collection and Review Report" has been submitted.</p> <p>A national consultation workshop is planned to discuss the findings of the activity and any comments from the Ministry, as well as from the stakeholders in January/February 2023.</p> <p>In the meantime, work has also advanced to Tasks 3 and 4 and more specifically on the survey on the potential role of the Private Sector in some aspects of water service provision. The survey which was prepared and revised by the KE has not yet been approved by the FP. A reminder was sent to the FP to accelerate the approval.</p>	<p>share updated version with the stakeholders before the workshop</p> <ul style="list-style-type: none"> <li>Organise and hold the workshop in February/March 2023</li> </ul>
<p><b>Technical Assistance &amp; Capacity Building</b> <b>Topic 2:</b> Water Efficiency Gains at Decentralised Level <b>Topic 4:</b> Enhancing Water Efficiency and Productivity in Agriculture <b>Subtopic 4.1:</b> Agriculture Water Use Efficiency</p>	<p><b>N-W-PS-2: Capacity building/trainings with pilot farmers' associations and relevant communities on optimal irrigation management and practices</b></p> <p>The general objective of the activity is to improve the productivity and the efficiency of the irrigation water at the plot level (on-farm) and at the scheme level (off-farm) in two pilot WUAs; one using fresh water and another using treated wastewater. The ultimate objective is to support reduction of the total abstractions of fresh water used in irrigation including through expansion of the safe use of TWW in irrigation.</p> <p><b>The activity is operationally linked with N-W-TN-2 and RW-7-REG</b></p>	<p><b>On-going activity</b></p> <p>The inception workshop of the activity was successfully organised on the 9th of May 2022 with the participation of a good number of stakeholders. A change note was developed in August 2022 with regards to the organisation of the upcoming trainings, the additional new NKEs to the team and of a video to be developed. The video created for N-W-TN-1 is to be used for this activity too in Palestine - a light conversion of the relevant classical Arabic terms into the Palestinian dialect is to be applied, in order to make the video appealing to its audience in Palestine. Due to the difficulties in movement in the country, the trainings were organised in Jordan.</p> <ul style="list-style-type: none"> <li>The Training on the management and analysis of the performance of collective irrigation networks was carried out on 26 – 29 September 2022</li> <li>The Training of Trainers on field irrigation management, and field irrigation systems was carried out on 2-6 October 2022</li> </ul> <p>Each training was combined with a Study Tour in Jordan Valley (Deir Alla Control Center during the first training and two to three farms in the Jordan Valley North of the Dead Sea during the second training).</p>	<p>Work to involve the following:</p> <ul style="list-style-type: none"> <li>Prepare the training reports</li> <li>Development of awareness-raising materials and technical guides and video and distribute to those concerned</li> <li>Prepare a synthesis report</li> </ul>

Dimension / Topic / Sub-Topic	Activity title/Description	Progress made / Challenges encountered	Future Planning
<p><b>Technical Assistance &amp; Capacity Building</b> <b>Topic 2:</b> Water Efficiency Gains at Decentralised Level <b>Topic 4:</b> Enhancing Water Efficiency and Productivity in Agriculture <b>Subtopic 4.1:</b> Agriculture Water Use Efficiency <b>Subtopic 2.1:</b> Non-Conventional Water Resources</p>	<p><b>N-W-TN-1: Improving the efficiency of water use in agriculture</b> The general objective of the activity is to improve irrigation water use efficiency in agriculture by the Agriculture Development Groups (GDAs) and farmers. The specific objectives targeted are:</p> <ul style="list-style-type: none"> <li>• Raise the level of knowledge of the technicians of the Regional Commissariat for Agricultural Development (CRDA), and the Agriculture Development Groups (GDA) related to the following aspects, in order to be able to train farmers and other GDAs: <ul style="list-style-type: none"> <li>a. the application of irrigation water at the plot level in order to increase the efficiency of water use;</li> <li>b. measures to increase the efficiency of water use in collective irrigation networks</li> </ul> </li> <li>• Awareness raising and dissemination of information throughout the region: Awareness materials on water saving and modern irrigation technologies</li> <li>• Development of a new guide and review of existing technical documents (guides) at the DGGREE (General Directorate of Rural Engineering and Water Exploitation) based on new technologies such as smart irrigation.</li> </ul> <p><b>The activity is operationally linked with N-W-PS-2 and RW-7-REG</b></p>	<p><b>On-going activity</b></p> <p>A request for a video for the farmers on drip and sprinklers irrigation to illustrate the different components, O&amp;M, irrigation uniformity, etc was made by the Tunisian counterparts. The video addressing the farmers will also be used under Activity N-W-PS-2 in Palestine, by applying a different voice-over dialect and subtitling.</p> <p>A change note was developed in May 2022 in view of the upcoming Trainings of Trainers and to accommodate some deviations from the original planning concerning the trainers’ team composition (addition of new NKEs to the team, the number of trainees, the design of the training, the new video).</p> <p>The two Trainings of Trainers were successfully organised as follows:</p> <ul style="list-style-type: none"> <li>• Training of Trainers on the management and analysis of the performance of collective irrigation networks (24-27 May)</li> <li>• Training of Trainers on field irrigation management, and field irrigation systems (30 May– 3 June)</li> </ul> <p>The training reports were prepared and are currently under review by the KE.</p> <p>Work on the technical guides to be distributed to those concerned (task 3) is also underway.</p> <p>A combined report implicating two deliverables (D1-2 for the inception report, and deliverable 1-3 on the reference evaluation of the irrigation management situation in the pilot area including training recommendations) was prepared by the team and is under review by the KE.</p>	<p>Work to involve the following:</p> <ul style="list-style-type: none"> <li>• Development of awareness-raising materials, video and technical guides and distribute to those concerned</li> <li>• Prepare a synthesis report</li> </ul>
<p><b>Technical Assistance &amp; Capacity Building</b> <b>Topic 2:</b> Water Efficiency Gains at Decentralised Level <b>Subtopic 2.1:</b> Non-Conventional Water Resources - Water Retention</p>	<p><b>N-W-TN-2: Reservoir Sedimentation Hazard and Mitigation Measures towards Sustainability in Tunisia</b>, Study of the siltation of two Tunisian dams: Siliana and Lebna dams</p> <p>The main objectives of the activity are as follows:</p> <ul style="list-style-type: none"> <li>• To provide a better understanding of the causes of reservoir sedimentation and the origin of the eroded sediments within the watersheds assessed (footprint survey to show where the deposited sediments come from);</li> <li>• Assessment of the actual rate of sedimentation and loss of useful storage in the dams assessed and their correspondence with the rates of erosion and sedimentation yield;</li> <li>• Assessment and evaluation of current practices in controlling sedimentation and erosion processes in Tunisia by studying two (2) dams / reservoirs as pilot case studies;</li> <li>• examining the applicability of measures that could be implemented to combat the accumulation of sediment in reservoirs, with priority given to green infrastructure;</li> </ul>	<p><b>On-going activity</b></p> <p>All necessary data has been collected and treatment of data has started. Work on estimating the yield will be initiated with the support of local NKE.</p> <p>Ongoing work concerns the preparation of Deliverable 1.2 (Inception report, including the database produced, and the provisional list of the main stakeholders associated with the activity) and Deliverable 2 (Report showing sedimentation efficiency / sedimentation rates of reservoirs in the two pilot cases, etc.)</p> <p>A mission to the pilot sites was successfully organised on the 4th, 5th and 6th of May 2022. A mission report was prepared and shared with the Ministry.</p>	<p>Work to involve the following:</p> <ul style="list-style-type: none"> <li>• Finalise and submit a combined Deliverable for 1.2 and 2</li> <li>• Develop a conceptual study of mitigation measures in the two pilot cases.</li> <li>• Study of the economic incentives for taking mitigation measures and the regulatory framework applicable to the implementation of these measures.</li> </ul>

Dimension / Topic / Sub-Topic	Activity title/Description	Progress made / Challenges encountered	Future Planning
	<ul style="list-style-type: none"> <li>study of economic incentives and regulatory framework to support and optimize protective measures, with priority given to green infrastructure/Nature-based solutions (NbS);</li> <li>disseminating the results to the scientific community and writing a book containing the guiding principles for the implementation of sustainable mitigation measures.</li> </ul> <p><b>The activity is operationally linked with N-W-IL-2, N-W-JO-2 and RW-4-REG.</b></p>		

**TABLE 5: PROGRESS IN REGIONAL LEVEL ACTIVITIES (EFFICIENT USE OF WATER)**

Dimension / Topic / Sub-Topic	Activity title/Description	Progress made / Challenges encountered	Future Planning
<p><b>Capacity Building</b> <b>Topic 4:</b> Enhancing Water Efficiency and Productivity in Agriculture <b>Subtopic 4.2:</b> WEFE Nexus</p>	<p><b>RW-1-REG: Training on the practical application of the water-energy-food-ecosystems (WEFE) nexus and related policies and regulations.</b></p> <p>Activity supports the UfM water agenda on the nexus, namely the output related to the "Knowledge shared and capacity built on Nexus methodologies, policies and technologies" as well as the UNEP/MAP priorities.</p>	<p><b>Activity under conceptualisation</b></p> <p>Due to the COVID-19 pandemic, the meeting was postponed. The possibility to co-organise a major regional capacity building activity in 2023 with key regional partners is under exploration.</p>	N/A
<p><b>Topic 2:</b> Promotion of Circular Economy <b>Topic 3:</b> Prevention and reduction of pollution reaching the Mediterranean from specific industrial sectors <b>Sub-Topic 2.2:</b> Waste management schemes and streams <b>Horizontal:</b> Promoting PPP &amp; Access to sustainable investment</p>	<p><b>RW-3-REG/ P2P: Regional Training on Water Demand Management (WDM)</b></p> <p>The objective of this regional activity was to build the capacity of the Partner Countries (PCs) on Water Demand Management (WDM) as a mean to influence the water demand and usage of water to meet any of the following objectives and/or combination of them: economic efficiency, social development, social equity, environmental protection, sustainability of water supply and services, and political acceptability. The activity focused on the customers' demand management targeting mainly management of water demands in the non-agricultural sector, namely in the domestic, touristic and industrial uses.</p> <p>The objective of the P2P activity is fully aligned with the related UfM water program and Action on Water and Climate Change in addition to the United Nations Sustainable Development Goals.</p>	<p><b>Completed activity (pending report finalisation)</b></p> <p>The five sessions of the regional training were successfully held in January and February 2022.</p> <p>The Peer-to-Peer process was facilitated by virtual meetings and regular e-mail communication among and between the WES designated experts and the Peers from relevant institutions in the beneficiary countries. The process spanned over almost a year. Two meetings were held during this period:</p> <ul style="list-style-type: none"> <li>3rd P2P meeting on the 6th of June 2022</li> <li>Final P2P meeting on the 13rd of October 2022</li> </ul>	
<p><b>Capacity Building</b> <b>Topic 2:</b> Investigation and Introduction of Water Efficiency Gains at the Decentralized Level <b>Subtopic 2.1:</b> Non-Conventional Water Resources (NCWR)</p>	<p><b>RW-4-REG/ P2P: CB on NCWR focusing on water harvesting including through retention &amp; aquifer recharge with storm water</b></p> <p>The <b>purpose of this regional activity</b> is to introduce the concept of Water Harvesting (WH) and Natural Water Retention Measures (NWRMs) as an alternative and efficient tool to minimize flood risk and increase the potential for water storage whether on the surface or in the aquifer.</p>	<p><b>Completed activity</b></p> <p>The regional training included 5 sessions (total of 15 hours) held online, in October 2021. A total 67 persons participated in the training. There were 3 invited speakers and 4 speakers from the PCs for exchanging practices and experiences.</p> <p>The P2P exchange was facilitated by virtual meetings and continuous e-mail communication among and the Peers and the NKEs. According to their preference/experience, the Peers have formed two focus groups: one on Urban environment and one on Rural &amp; Natural environment.</p> <p>The last P2P session combined meetings on Themes 5 &amp; 6: "Design Methods and Computational Tools for the Appropriate Use of WH and NWRMs", and</p>	



Dimension / Topic / Sub-Topic	Activity title/Description	Progress made / Challenges encountered	Future Planning
		<p>“Environmental impacts of WH and NWRMs” in rural/natural areas was held on 16 June 2022.</p> <p>The training reports for both the training and P2P are under finalisation.</p>	
<p><b>Capacity Building</b></p> <p><b>Topic 2:</b> Investigation and Introduction of Water Efficiency Gains at the Decentralized Level</p> <p><b>Topic 3:</b> Water Resources Valuation, Cost-Recovery and Affordability of Water Services</p> <p><b>Subtopic 2.5:</b> Wastewater Treatment for reuse</p>	<p><b>RW-5-REG/ ST: Capacity building on Wastewater Treatment for reuse</b></p>	<p><b>Completed activity</b></p> <p>Four training sessions were held on 17 May 2022, 19 May 2022, 7 June 2022, and 9 June 2022.</p> <p>Each training session corresponded to a specific topic assessed as being important for the development of the sanitation sector in the WES Partner Countries; with particular reference to decentralised WWT and its reuse in agriculture, for municipal purposes (as applicable) and for nature through recipient water bodies (groundwater and surface water).</p> <p>During the training both plenary and break-out sessions took place. The plenary sessions were used for the presentations and the overall discussions. During the break-out sessions, the participants were engaged in group discussions and group work with the NKE, with the aim to apply what they have learnt during the training.</p> <p>The training report and the training manual were prepared and are under review by the KE.</p>	
<p><b>Capacity Building</b></p> <p><b>Topic 1:</b> Assessment and Estimation of Water Use (per sector)</p> <p><b>Topic 2:</b> Investigation and Introduction of Water Efficiency Gains at the Decentralized Level</p> <p><b>Topic 3:</b> Water Resources Valuation, Cost-Recovery and Affordability of Water Services</p> <p><b>Subtopic 2.2:</b> Non-Revenue Water (NRW) Management</p>	<p><b>RW-6-REG / P2P/ST: Training on Non-Revenue Water</b></p>	<p><b>On-going activity</b></p> <p>The activity has been initiated.</p> <p>The KOM of the P2P exchange was held on the 21st of November 2022 and the Regional training and the Study Tour in Greece from 16 to 20 January 2023. The premises of Athens Water and Sewage Company (ΕΥΔΑΠ) were visited during the Study Tour inclusive of presentations from representatives of the Company.</p>	<ul style="list-style-type: none"> <li>• Prepare Training Report</li> <li>• P2P exchange still ongoing</li> </ul>
<p><b>Capacity Building</b></p> <p><b>Topic 2:</b> Water Efficiency Gains at Decentralised Level</p> <p><b>Topic 4:</b> Enhancing Water Efficiency and Productivity in Agriculture</p> <p><b>Subtopic 4.1:</b> Water Use Efficiency in Agriculture</p>	<p><b>RW-7- REG/ ST:</b> Study tour and Training(s) of WUAs on optimal irrigation management and practices using appropriate irrigation methods for improved irrigation efficiency and soil fertility, highlighting the benefits of using treated wastewater and rainwater harvesting.</p>	<p><b>Activity under conceptualisation</b></p>	<p>Activity planned to be held in 2023.</p>

TABLE 6: PROGRESS IN ACTIVITIES UNDER OTHER COMPONENTS

Activity title/Description	Progress made / Challenges encountered	Future Planning
<b>COMPONENT 3 – Support to the Demonstration projects</b>		
<p><b>Activity 3.2: Support to the demonstration project implementation</b></p>	<p>The 1st Monitoring Report was submitted to DG NEAR was approved by DG NEAR on the 7th of November 2022. The report was based on the inception report (application), the reports submitted during the first year by each project, questionnaires that were filled out by the lead partners within the period Jan-2022 to Apr-2022, as well as interviews carried out by the monitoring team with a few selected stakeholders. It covered the period between Aug-20 to mid-May-22. The next round of visits, interviews and collection of reports is ongoing towards the preparation of the 2nd monitoring report.</p>	<ul style="list-style-type: none"> <li>• Monitor and provide support to the Demo projects.</li> <li>• Prepare and submit the 2nd monitoring report.</li> </ul>
<b>COMPONENT 4 - Support to the UfM Water and Environment Agendas</b>		
<p><b>Activity 4.3: General support to the UfM Water and Environment work</b></p>	<p>WES was invited by the UfM Secretariat to actively contribute to the 12th UfM Water Expert Group Meeting that took place on 23-24 May 2022 in Amman, Jordan. A presentation was made on the WES Demonstration projects. Similarly, WES actively participated in the 3<sup>rd</sup> UfM WG on Environment and Climate Change that took place in March 2022 and the 6th UfM Task Force on Environment that took place on November 3<sup>rd</sup> 2022.</p> <p>Following discussions with the Environment Division on the needs for support to be provided by the WES project and related ToRs for the year 2023, the TOR of this work was provided and approved in December 2022. The 2021 Ministerial Declaration and the 2030GreenerMed Agenda with its three priority axes of work will be guiding the work.</p> <p>In addition, support to potential meetings of the UfM groups on environment (UfM Working Group on Environment and Climate Change, UfM Environment Task Force) that may take place till the end of 2023, will also be expected from WES (both technical and logistical).</p> <p>WES will also continue to provide support to the UfM in identifying complementarities and establishing operational partnerships with relevant projects labelled by the Union for Mediterranean (as well as other projects) in the field of green economy, prevention of marine pollution and blue economy. WES networking, youth, gender equality efforts will be linked with this activity.</p> <p>As a result of the above, WES will contribute to a strengthened regional dialogue in the field of environment.</p>	<ul style="list-style-type: none"> <li>• Continue on-going support actions</li> <li>• On-going coordination with UfM labelled projects relevant to WES</li> </ul>
<b>COMPONENT 5 - Capitalisation, sharing knowledge and visibility</b>		
<p><b>Activity 5.3: Organise a networking system between the various stakeholders</b></p>	<p>WES collaboration with Med4Waste has been formalised. A survey is under preparation that WES will complete in due time. Under the marine litter actions in the region, WES has been engaged along with other relevant initiatives in the capitalisation events of the PlasticBusters MPAs project and the new PlasticBusters CAP project; mentioned in the first UfM Policy Brief on marine litter. WES continues to enhance its outreach to the hundreds of youth and women’s organisations it has mapped and tries to engage within its activities. WES has started mapping Youth and Gender contact persons in the PCs’ Ministries of Water and Environment.</p> <p>Also, at the national level, significant efforts to network and synergise with key relevant projects (e.g. Marine Litter Med II, TouMaLi, CLIMA) are on-going.</p> <p>On June 15, 2022, a WES environmental expert, took part, on behalf of the TL and WES project, in the event organized in Bizerte on the revitalization of the charter for the sustainable development of Lake Bizerte as part of the integrated depollution program for the Lake Bizerte region. More than 200 actors, including officials from the Ministry of the Environment and representatives of the delegation of the European Union in Tunis participated in this event. The objective of this event was to revitalize the commitment to the sustainable development of the lake, in particular within the framework of the charter for sustainable development of Lake of Bizerte. WES and its predecessor projects have been vital in supporting Tunisia in its efforts for integrated de-pollution programs and stakeholders’ engagement.</p>	<ul style="list-style-type: none"> <li>• Sustain the networking system created so far</li> <li>• New opportunities for networking</li> </ul>
<p><b>Activity 5.4 Production and dissemination of material on pollution prevention and the efficient use of water</b></p>	<p>The production of five (5) WES videos on the following topics has been launched, as per the project’s Communication Strategy:</p> <ul style="list-style-type: none"> <li>• Water demand management (WDM) and Non-revenue water (NRW)</li> <li>• Construction and Demolition Waste Management (CDWM)</li> <li>• Circular Economy and waste reduction”</li> </ul>	<ul style="list-style-type: none"> <li>• In accordance with the tailored communication plans for each activity, specific visibility and promotional material to be produced in order to raise awareness of</li> </ul>

Activity title/Description	Progress made / Challenges encountered	Future Planning
	<ul style="list-style-type: none"> <li>• “Plastic Pollution and Single Use Plastics”</li> <li>• An “Overall video” for the WES Project</li> </ul> <p>A short video was prepared on Water demand management (WDM) and Non-revenue water (NRW) with the title “Help Save a Drop”. The video aims to raise awareness on issues of water scarcity, natural resources protection and the role of the EU through WES in contributing to tackling these issues; it also aims to motivate the public to implement water saving measures presented through the video. A 5.5 min. and a shorter 3.5 min. versions of the video were produced with English audio and were subtitled in English, French and Arabic.</p> <p>Relevant communication and visibility rules were adhered to. The video was disseminated online (WES website / social media), was included in the Regional Cooperation Neighbourhood South Newsletter and was projected during relevant trainings.</p> <p>Preparatory work was immediately undertaken for the production of the second WES video on the topic of Construction and Demolition Waste Management (CDWM), in close cooperation with WES technical experts. An initial script was drafted, and the first generic part of the video was produced.</p> <p>The first live-action shooting took place during the study visit in Marseille under the activity RE-4-REG/ST/ P2P. Scenes and interviews recorded have been processed and are used to develop the final, full version of the CDWM video for which the development of the final script is nearly complete. The final video is expected to be fully produced by early 2023.</p> <p>Two (2) additional live-action shootings took place during on-site events under activities N-E-MO-2 and N-E-DZ-1 in Morocco and Algeria respectively that will primarily be used for the production of the videos on the topics of “Circular Economy and waste reduction” and “Plastic Pollution and Single Use Plastics”.</p> <p>The original material recorded, and interviews will be used as needed throughout all videos to compensate for the lack of stock footage specific to the project countries and topics, as well as for the final video on WES project benefits.</p> <p>Preparatory work for the development of the script of the “Circular Economy and waste reduction” video has started.</p> <p>All videos produced will be disseminated via the WES website, WES YouTube channel and other social media to achieve optimum visibility.</p>	<p>stakeholders, according to the target groups identified.</p> <ul style="list-style-type: none"> <li>• Finalize the production of the CDWM video.</li> <li>• Develop and produce the “Circular Economy and waste reduction” video.</li> <li>• Undertake the preparatory work on the remaining videos and the final live-action shooting in Jordan.</li> <li>• Disseminate the produced videos in line with the Communication action plan.</li> </ul>
<p><b>Activity 5.5 Development of a high-quality WES website</b></p>	<p>The website provides easy access to all information and deliverables related to the implementation of the activities to all stakeholders and the general public. It also shares news of the WES institutional partners and international environmental projects.</p>	<ul style="list-style-type: none"> <li>• The website’s contents in English, French and Arabic will be regularly updated following the activities’ progress.</li> </ul>
<p><b>Activity 5.7 Ad hoc participation in international, regional or national events, meetings, fora</b></p>	<ul style="list-style-type: none"> <li>• Prof. Scoullos, WES TL and Ms Suzan Taha, Key Water Expert, participated to the UfM’s Water Expert Group (WEG) meeting held on May 23rd and 24th 2022, in Amman, Jordan. The TL presented the WES DEMO projects during this meeting.</li> <li>• Ms A. Roniotes, Technical back-stopper for Pollution Prevention/Environment activities participated on the 1st day of the 23rd Steering Committee Meeting of the Mediterranean Commission for Sustainable Development (MCSD). Her presentations related to activities RE-7-REG and HE-4-REG/P2P.</li> <li>• WES supported the EC in water related bilateral cooperation.</li> <li>• Prof Scoullos participated in the 9th Environment for Europe Ministerial Conference that took place in Cyprus on 5-7 October 2022. Apart from this event, WES participated in and co-organised a number of side events linked to its Work Programme, such as on: <ul style="list-style-type: none"> <li>○ Marine Litter/Plastic Pollution, a major environmental and tourism problem: Monitoring and participatory science</li> <li>○ Making the management of Construction and Demolition Waste (CDW) circular and truly sustainable</li> <li>○ Environmental governance for transforming our planet - Promoting the Aarhus Convention in the whole of the Mediterranean region</li> <li>○ High Level Event of Education and Environment Ministers on the Mediterranean Strategy on Education for Sustainable Development and its Action Plan towards 2030.</li> </ul> </li> <li>• Prof. Scoullos was invited by "TouMaLi" project (Prevention of Tourism Marine Litter) to attend and participate in the International TouMaLi Conference on the 10th and 11th of October 2022 regarding the "Contribution of sound waste management systems to sustainable tourism and the protection of marine ecosystems". The conference was held in Alexandria, Egypt. The TL contributed to the finalisation of the final statement of the Conference that was to be presented and disseminated at the COP27 in Sharm El Sheikh.</li> </ul>	<p>Planned work involves the ad-hoc participation of members of the WES Team in international, regional or national events, meetings, fora.</p>

Activity title/Description	Progress made / Challenges encountered	Future Planning
	<ul style="list-style-type: none"> <li>• Dr. Emad Adly, WES Stakeholder Engagement and Impact Assessment Expert attended the Cairo Water Week on the 18th of October 2022 as well as the Arab Ministerial Water Council at the end of November 2022.</li> <li>• WES was represented at the UNFCCC COP27 in Sharm El Sheikh by the Prof. Scoullos and Dr Adly in November 2022.</li> </ul>	
<b>COMPONENT 0 (Complementary activities)</b>		
<p><b>0.9. Communication and visibility Action Plan</b></p>	<p>The WES Communication and Visibility actions, regarding 33 WES activities, have been prepared and delivered according to the Communication Strategy. In detail:</p> <ul style="list-style-type: none"> <li>• 30 Press Releases (in English, French and Arabic) and 18 Announcements published via website and send out to the media (~770 contacts from 11 countries)</li> <li>• 2 Information Bulletins were prepared, in English and French, for RW-4-REG RE-7-REG and the Best Practices for Waste Reduction Repository/Site were sent out to stakeholders (~3.200 contacts from 38 countries) and media was prepared in English and French.</li> <li>• Informational material was prepared for various events</li> <li>• 171 Facebook, 80 LinkedIn, 168 Twitter posts in English, French and Arabic were published via the WES social media platforms. Several posts were published and reposts shared from partners.</li> <li>• 1 LinkedIn campaign was developed for this new WES social page.</li> <li>• 7 Communications Presentations for Kick-off Meetings</li> <li>• 7 Communication Plans for ToRs of activities</li> <li>• 3 Newsletters were prepared and published with a reference of 6 activities</li> <li>• 656 Articles, based on WES Press Releases and information sent, were published via news platforms, newspapers, social media and sites, in 10 countries namely Algeria, Israel, Jordan, Lebanon, Morocco, Tunisia, Belgium, Greece, Italy and Spain.</li> <li>• The communications database of media and stakeholders was regularly updated (~3.970 contacts from 38 countries).</li> </ul>	<ul style="list-style-type: none"> <li>• Every latest development on the project's activities will be communicated to the stakeholders and media via news items sent out via email and published via the WES website and social pages. If needed, special informational material, or campaigns, will be prepared for WES activities, the DEMO projects supported by WES and other events to ensure the dissemination of information and the visibility of WES and EU.</li> </ul>
<p><b>0.15 Gender and Youth Action Plans</b></p>	<p>The WES efforts for gender-balanced participation in its experts, activities, consultations and meetings are on-going and with good results. On average, gender balance is within its target value of 50% +/- 15% with both men and women well represented. A leaflet on "Enhancing the Gender and Youth related components of formal, non-formal and informal Education for Sustainable Development (ESD)" was prepared, as a tool to help strengthening the involvement of women and young adults in water and environment-related management, specifically through education. The e-leaflet provides tips on what educators in formal, non-formal and informal settings can do to break down gender and youth inequalities. The leaflet was submitted to the EC on the 30th of May and was approved on the 9th of June 2022. It can be found on the WES website (please click <a href="#">here</a> to reach the leaflet).</p>	<ul style="list-style-type: none"> <li>• Monitor the Action Plan</li> <li>• Continuous work on incorporating the gender and youth aspects in the WES activities</li> </ul>

TABLE 7: NEXT 12 MONTH WORKPLAN

4th YEAR WORKPLAN (January 2023 to December 2023)												
	2023											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>Component 1: Pollution prevention</b>												
<b>Regional activities on key topics related to pollution prevention</b>												
RE-2-REG: Understanding better microplastics and identifying how to address the issue												
RE-3-REG: Innovative Circular Economy Business Models in the Mediterranean region												
RE-3-P2P: Innovative Circular Economy Business Models in the Mediterranean region												
RE-4-REG/ ST: Management of Construction & Demolition Waste (C&DW)												
RE-4-P2P: Management of Construction & Demolition Waste (C&DW)												
RE-5-REG: Supporting countries to implement NAPs (2016-2025)												
RE-6 -REG / ST: Decentralized management of organic waste												
RE-6 -P2P : Decentralized management of organic waste												
RE-8-REG-P: Mediterranean “Champions” of plastic pollution prevention												
RE-9-REG: SUPs-free coastal and marine protected areas												
RE-10-REG: Enhancing the Number of Responsible Tourism and Recreation Related Businesses in Coastal Areas												
<b>Activities at national level on key topics related to pollution prevention</b>												
N-E-DZ-1: Support for the monitoring and management of marine litter in Algeria (ALGERIA)												
N-E-DZ-2: Support for university training on green entrepreneurship and circular economy in Algeria (ALGERIA)												
N-E-EG-1: Support for an Extended Producer Responsibility scheme (EGYPT)												
N-E-JO-1: Contribution to the development of a joint public-private roadmap to transition to reduce the use of single-use plastics (SUPs) in Jordan (JORDAN)												
N-E-JO-2: Consolidation activities on green banking and support to green investment opportunities (JORDAN)												
N-E-LB-2a: Technical assistance in tackling the pollution of the Mediterranean Sea by combatting pollution from plastics: Marine Litter Monitoring (LEBANON)												
N-E-LB-2b: Policy support to address single-use plastic items in Lebanon (LEBANON)												
N-E-MO-1: Joint initiative for the establishment of the management chain for PET bottle packaging within the framework of EPR in Morocco (MOROCCO)												
N-E-MO-2: Consolidation actions for the ongoing marine litter activities in Morocco: expanding marine litter monitoring (MOROCCO)												
N-E-PS-1: Technical assistance on sustainable Medical Waste Management (PALESTINE)												
N-E-TN-1: Support for the implementation of Sustainable Public Procurement operations (TUNISIA)												
N-E-PS-2: New activity "Development of an action plan for the plastic waste management and to transition away from the use of single-use plastics (SUP) in Palestine"												
N-E-IL-P1: Contribution to the development of a joint public-private road map to effectively recycle plastic polymers in Israel												
N-E-LB-PL-P2: Investigating and developing a compendium with successful approaches of an Extended Producer Responsibility (EPR) system for plastics in Lebanon and Palestine												
N-E-LB-PS-P3: Identify small scale “model” approaches of separate collection and recycling for further replication, Lebanon & Palestine												

4th YEAR WORKPLAN (January 2023 to December 2023)												
	2023											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
N-E-TN-P4: Enforcement of political and legal measures undertaken by Tunisia for the reduction and prohibition of certain types of single-use plastic packaging												
N-E-DZ-P5 (To be designed -Solving the separate collection problems in Algeria and compiling an Action Plan )												
N-E-P6 (to be designed - optional additional activity at national level )												
N-E-P7 (to be designed - on material for public awareness campaigns to be used by all PCs pioneered by Jordan and Morocco)												
IA 1.0 Stakeholder Engagement and Impact Assessment												
<b>Component 2: Efficient use of water</b>												
<b>Regional activities on key topics related to the efficient use of water</b>												
RW-1-REG: Training on the practical application of the water-energy-food-ecosystems nexus and related policies and regulations WEFE												
RW-6-REG / ST: Training on Non-Revenue Water												
RW-6-P2P: Training on Non-Revenue Water												
RW-7- REG/ ST: Study tour and Training(s) of WUAs on optimal irrigation management and practices using appropriate irrigation methods for improved irrigation efficiency and soil fertility, and highlighting the benefits of using treated wastewater and rainwater harvesting.												
<b>Activities at national level on key topics related to the efficient use of water</b>												
N-W-DZ-1: Conduct a diagnosis for the performance of NRW in a pilot utility and develop a plan for NRW improvements focusing on minimum cost of interventions with fast investment paybacks (ALGERIA)												
N-W-DZ-2: Potential of Water use efficiency and water saving in domestic water (ALGERIA)												
N-W-EG-1: Strengthen the water utilities capacities to manage/reduce NRW and detect leakage (EGYPT)												
N-W-EG-2: Assist Egypt in the development of financing mechanisms allowing the private sector to be involved and improve "water network management and resources efficiency at the on-farm level" (EGYPT)												
N-W-IL-1: Evaluation of new methods to reduce the cross subsidies in the agricultural water tariff in Israel (ISRAEL)												
N-W-IL-2: Storm water management and Natural Water Retention Measures (ISRAEL)												
N-W-JO-1: Elaboration of non-revenue water policy for Jordan (JORDAN)												
N-W-JO-2: Explore the potential of Natural Water Retention Measures (NWRM) at the catchment scale (JORDAN)												
N-W-MO-1: Support WDM in relation to water scarcity (MOROCCO)												
Additional activity for Morocco (water efficient building)												
N-W-MO-2: Elaboration of strategies for cost recovery, and development of tools for the evaluations of costs related to water (MOROCCO)												
N-W-PS-1: Design actions/modalities for improved water billing and fees' collection rates also with a view to support outsourcing and PPP and engagement through Micro PSP (PALESTINE)												
N-W-PS-2: Capacity building/trainings with pilot farmers' associations and relevant communities on optimal irrigation management and practices (PALESTINE)												
N-W-TN-1: Improving water use efficiency in agriculture (TUNISIA)												

### 4th YEAR WORKPLAN (January 2023 to December 2023)

	2023											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
N-W-TN-2:Reservoirs sedimentation risk and mitigation measures in favor of sustainability in Tunisia												
IA 2.0 Stakeholder Engagement and Impact Assessment												
<b>Horizontal Regional Activities</b>												
HE-2-REG: Awareness raising and Education for Sustainable Development												
HE-3-REG: Educating for Sustainable Development: focus on WWT for reuse and NCWRs												
HE-4-P2P: Overall environmental governance - promotion of the Aarhus Convention in the whole of the Mediterranean												
<b>Component 3: Monitoring and supporting Demonstration projects</b>												
Activity 3.2: Support to the demonstration project implementation												
Activity 3.3 Capitalisation of the lessons learned from the demonstration project activities												
Activity 3.4: Dissemination of the lessons learned from the demonstration projects												
Activity 3.5: Invite the demonstration projects to WES activities (Component 2)												
Activity 3.6: Involvement of the WES Water FPs in following the demonstration projects												
<b>Component 4: Support to the UfM Water and Environment agendas</b>												
Activity 4.3: General support to the UfM Water and Environment work												
<b>Component 5 - Capitalising the lessons learnt, good practices and success stories</b>												
Activity 5.1: Screening of the best practices and the best reference documents												
Activity 5.3: Organise a networking system between the various stakeholders												
Activity 5.4: Production and dissemination of material on pollution prevention and the efficient use of water												
Activity 5.5: Development of a high-quality WES website												
Activity 5.6: Organisation of national meetings												
Activity 5.7: Ad-hoc participation in international, regional or national events, meetings, fora												
<b>Other</b>												
0.9 Communication and Visibility Action Plan												
0.10 Steering Committee Meetings Preparations and Implementation												
0.15 Gender and Youth Action Plan												
Closing Conference												
<b>Legend:</b>												
non-continuous involvement/ activity												
continuous involvement/ activity												