



Development of a draft strategy for plastic waste management with focus on single-use plastics (SUPs) in Palestine (N-E-PS-2)

Inception meeting

8 May 2024 on-line

- Mr. Anis Ismail, WES Environment Key Expert
- Mr. Matias Rodrigues, Technical Coordinator of the activity
- Mr. Tom Clark, Senior Expert in Plastic Pollution Prevention Measures
- Mr. Amer El Hamouz, Senior Environmental research Expert (Local)
- Mr. Mohammad Hmaidj, Senior Environment Expert (Local)
- Dr. Emad Adly, WES Stakeholder Engagement and Impact Assessment Non-Key Expert



Agenda



Water and Environment Support
in the ENI Southern Neighbourhood region

Ramallah Time

09:45 -10:00

Connecting to the platform

10:00-10:10

Opening and introduction to the meeting

- *Mr. Ahmad Abu Thaher, Director General for Projects and International Relations Environment Quality Authority (EQA) & WES Focal Point – Palestine*
- *Mr. Anis Ismail, WES Key Environment Expert*

10:10-10:25

Updates on policy actions, strategies, legislation and instruments for waste and plastic waste management

- *Open discussion moderated by Mr. Mohammad Hmaidid and Mr. Amer El Hamouz, WES senior experts*

10:25-10:35

Update on global and regional efforts to combat plastic pollution

- *Mr. Tom Clark, Senior Expert in Plastic Pollution Prevention Measures, WES NKE*

10:35-10:50

Discussion about criteria and options for selecting priority SUP items

- *Mr. Amer El Hamouz, Senior Environmental research Expert (Local), WES NKE*
- *Mr. Mohammad Hmaidid, Senior Environment Expert (Local), WES NKE*

10:50-11:05

Validation of detailed methodology and plan of work

- *Mr. Mohammad Hmaidid, Senior Environment Expert (Local), WES NKE*
- *Mr. Matias Rodrigues, Technical Coordinator of the activity WES NKE*

11:05-11:20

Open discussion on the main issues and the components of the strategy to combat plastic pollution

- *Moderated by Mr. Mohammad Hmaidid, Senior Environment Expert (Local), WES NK*

11:20-11:30

Evaluation of the meeting, impact assessment, next steps and closing

- *Mr. Matias Rodrigues, Technical Coordinator of the activity WES NKE*
- *Dr. Emad Adly, WES Stakeholder Engagement and Impact Assessment Non-Key Expert*
- *Mr. Anis Ismail, WES Key Environment Expert*



Opening and introduction to the meeting



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

- Mr. Ahmad Abu Thaher, Director General for Projects and International Relations
Environment Quality Authority (EQA) & WES Focal Point – Palestine

- Mr. Anis Ismail, WES Key Environment Expert



Review of actions to tackle plastic pollution in Palestine



Water and Environment Support
in the ENI Southern Neighbourhood region

Updates on policy actions, strategies, legislation and instruments for waste and plastic waste management:

➤ Open discussion moderated by

Mr. Mohammad Hmaidid and Mr. Amer El Hamouz, WES senior experts



Update on global and regional efforts to combat plastic pollution



Water and Environment Support
in the ENI Southern Neighbourhood region

- Mr. Tom Clark, Senior -Expert in Plastic Pollution Prevention Measures, WES NKE



The policy framework for WES marine litter and plastics related actions



Water and Environment Support
in the ENI Southern Neighbourhood region



EU Green Deal
New Agenda for the Mediterranean
Marine Strategy Framework Directive
EU Strategy for Plastics in the Circular Economy
Single-Use Plastics Directive



UfM Ministerial Meetings on Environment and Climate Action
The UfM's 2030 GreenerMed Agenda

WES linked to Axis 1 and 2: Green and Circular Economy/ Pollution Prevention, Management, Removal



COPs and 2-year Programmes of Work (PoW)
Ecosystem Approach & IMAP
Regional Plan for Marine Litter Management in the Mediterranean
International legally binding instrument on plastic pollution

Direct contribution of WES to the Regional Guidelines on measures to phase out Single-Use Plastic items



International experience on SUP priority items



Water and Environment Support
in the ENI Southern Neighbourhood region

	Considerations	International experience
Lightweight SUP bags	<p>Large volumes and high environmental impact</p> <p>Difficult to recycle</p> <p>Alternatives available</p>	<p>Established international priority. for action</p> <p>By far the most commonly targeted SUP product in policies and regulations</p> <p>Over 80 countries and jurisdictions have some form of ban or other restriction</p>
PET drinks bottles	<p>Large volumes and high environmental impact</p> <p>Alternatives not always readily available or economic</p> <p>Relatively easy to recycle</p> <p>Suitable for take back, EPR/DRS</p>	<p>Accounts for most plastics recycling.</p> <p>Over 50 countries and jurisdictions have deposit refund schemes.</p> <p>There are few examples of bans to encourage alternatives or reuse e.g Vanuatu, a Pacific Island Country.</p>



International experience on SUP priority items



Water and Environment Support
in the ENI Southern Neighbourhood region

	Considerations	International experience
Expanded polystyrene (PS)	<p>Hgh environmental impact</p> <p>Recycling possible but difficult</p> <p>Alternatives available for takeaway containers and most other applications</p>	<p>Over 70 countries and jurisdictions have some form of ban or other restriction</p>
Plastic takeaway containers (mainly polypropylene)	<p>Large volumes used.</p> <p>Recyclable but need for rinsing a barrier.</p> <p>Alternatives available but not common.</p>	<p>Some countries have imposed bans and requirements for compostable containers, some a tax.</p> <p>There are few examples of DRS and only localised.</p>



International experience on SUP priority items



Water and Environment Support
in the ENI Southern Neighbourhood region

	Considerations	International experience
Miscellaneous products: Plastic cups, stirrers, straws, plates, cutlery, cotton buds and other items	High collective volumes and environmental impact Recycling difficult Alternatives available	Their ubiquitous nature and common problem, lend themselves to being addressed together in legislation. The EU and a growing number of countries have initiated bans and phase-outs.
Rigid polystyrene and PVC	Sometimes PS currently needed for food packing. PS recyclable, PVC not. PVC toxicity issues Alternatives possible.	A few countries have banned PVC in packaging



Regional efforts to combat plastic pollution



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

In general prioritisation, policy and regulation has been limited and piecemeal

- Focus on plastic bags, sometimes PET bottles, sometimes straws or other products

There are few examples of systematic plans for phasing out and banning difficult-to-recycle SUPs.

- The main exception is the EU with major legislation supporting its Plastics Strategy which targets all of the above SUPs.
- Regionally Jordan has identified priorities
- New Zealand has developed a 3 phase programme for phase-out.



Preparation of the choice of priority SUP items : example of Jordan



Water and Environment Support
in the ENI Southern Neighbourhood region



SUP	SUNP	MU	Practices avoiding the need
Plastic bags	<ul style="list-style-type: none"> Kraft paper bags 	<ul style="list-style-type: none"> Reusable PE bags (often called “bag-for-life”, and characterised by a minimum thickness e.g. 50 microns) Woven and non-woven polypropylene bags (or others such as nylon and polystyrene bags). Shopping trolleys Cardboard boxes Back pack Baskets 	
Plastic drink bottles, caps and lids	<ul style="list-style-type: none"> Metal cans Tetra-bricks Glass bottles 	<ul style="list-style-type: none"> Reusable plastic bottles (more robust, and usually made of polypropylene or copolyester) Metal bottles Glass bottles Flasks 	<ul style="list-style-type: none"> Water fountains Improvement/ supply of tap water quality Soda machines for use with refillables bottles Cap attached to the bottle (reducing the littering potential)
Food containers including fast food plastic packaging	<ul style="list-style-type: none"> Cardboard containers without plastic liners 	<ul style="list-style-type: none"> Crockery Tiffins/lunch boxes 	<ul style="list-style-type: none"> Allowance to bring-your-own container Availability of eat-in space
Plastic Cutlery, plates and trays	<ul style="list-style-type: none"> Wood cutlery Cardboard items 	<ul style="list-style-type: none"> Crockery Metal cutlery Reusable plastic items (more robust) 	<ul style="list-style-type: none"> Allowance to bring-your-own Availability of eat-in space



Preparation of the choice of priority SUP items : example of New Zealand



Water and Environment Support
in the ENI Southern Neighbourhood region

Phasing out problem plastics in Aotearoa

Te whakamoe i ngā kirihou whakapōraruraru

Plastics waste is one of our generation's greatest environmental challenges – regularly ending up in landfills or the ocean.

To support our country's move towards a low-emissions, low-waste economy, we're phasing out these plastics:

1 October 2022

- PVC food trays and containers*
- Polystyrene takeaway food and drink packaging
- Expanded polystyrene food and drink packaging
- Plastic with pro-degradant additives, eg, oxo and photo-degradable plastics
- Plastic drink stirrers
- Plastic stemmed cotton buds

* The scope is limited to pre-formed trays used for produce, baked goods, and meat

1 July 2023

Single-use:

- Plastic produce bags
- Plastic plates, bowls and cutlery
- Plastic straws*
- Plastic produce labels**

* Plastic straws will be available for disabled people and medical use
** See the Ministry's website for further information on scope

Mid 2025

- All other PVC and polystyrene food and drink packaging

For more information, visit <https://environment.govt.nz/waste/plastic-phase-out/>
Published in February 2023 by the Ministry for the Environment | Publication number: INFO 1077

He taiao tōnuī mō ngā reanga katoa – a flourishing environment for every generation.

Criteria and decision on the selection of the priority SUP items



Water and Environment Support
in the ENI Southern Neighbourhood region

- Mr. Amer El Hamouz, Senior Environmental research Expert (Local), WES NKE
- Mr. Mohammad Hmaid, Senior Environment Expert (Local), WES NKE



Preparation of the choice of priority SUP items



Water and Environment Support
in the ENI Southern Neighbourhood region

The selection process will be based on the objectives, ongoing and recent efforts led by Palestine to tackle plastic waste. This includes but not limited to:

- Finding **viable SUP substitutes**: based on interviews and a review of the literature to show how they are currently used in Palestine
- Considering items presented in the **draft SUP bylaw**
- Consider the priority list presented in the **Barcelona guide documents**.
- Adherence to **international agreements or treaties**
- Identification of **relevant measure to assess the potential impacts** (environmental, economic and social) of these measures on reduce SUP
- Potential impacts on current **work force/employment** (Environmental/social and economic impact)
- The **level of dependance** of Israeli market for both currently used and alternatives
- Distribution among different **categories of use**



Preparation of the choice of priority SUP items



Water and Environment Support
in the ENI Southern Neighbourhood region

Relevant aspects to be taken into account before arriving to four SUP items :

- Significant presence in litter
- High visibility in litter
- Large quantities in waste stream
- Existence of practices avoiding the need
- Economic viability of alternative solutions
- Easy implementation and effectiveness of limitation or banning measures
- Existence of substitute products (Multi Use or Single Use Non Plastics)



Existence of substitute products (Multi Use or Single Use Non Plastics)



Water and Environment Support
in the ENI Southern Neighbourhood region

Table 4.
Degree of availability of alternatives for suggested top-10 SUPs.

ITEMS WITH NONE OR DIFFICULT ALTERNATIVE	ITEMS WITH SOME ALTERNATIVES	ITEMS WITH CLEAR ALTERNATIVES / CONVENIENCE USE
Cigarette filters	Food containers including fast food packaging	Sanitary applications (cotton buds)
Drink bottles, caps and lids	Drinks cups and cup lids	Cutlery, plates and trays
Crisp packets and sweet wrappers	Sanitary applications (wet wipes)	Straws and stirrers
Sanitary applications (sanitary towels)	Personal protective equipment (masks and gloves)	Plastic bags



Validation of detailed methodology and plan of work



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

- Mr. Mohammad Hmaid, Senior Environment Expert (Local), WES NKE
- Mr. Matias Rodrigues, Technical Coordinator of the activity WES NKE



Methodology of work ...



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

1. “Desk top” work:
 - A. Collection of related studies (local team) knowledge of studies and work already carried out in Palestine on the subject or on related topics (review and analysis international team)
 - B. Review of recent publications/works related to SUP , (local team)
 - a) Number of importers and volume of imported plastics and % of SUP (MOI)
 - b) Number of producers, locations, volumes and % of SUP (MOI)
 - c) Volume of plastic wastes and %of SUP (MOLG records)
 - d) # of workers in the plastics industries
 - e) List of SUPs and Categorization per use.
 - f) Key findings and recommendations
2. Current waste management practices with emphasis on SUP (local team)
3. Review legal frameworks and policies, encompassing international agreements concerning plastics, with a specific focus on identifying gaps relevant to SUP. (Local team)
4. Explore how the concept of Extended Producer Responsibility could diminish the usage of SUP in Palestine.
5. Mapping Key stakeholders including mandates/responsibilities (local team)



...Methodology of work



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

6. Prepare an inventory for SUP, then classify according to use and priorities according to socio-economic/environmental impacts.
7. Explore potential substitutes for SUPs through a review of international experiences, existing literature and interviews, showcasing their current application in Palestine..
8. Suggestion of innovative alternatives to single-use plastics, reusable products, or packaging redesign. (International and local team)
9. Suggest possible suggestions for an incentives and disincentives to encourage behavior change program structure. (international team)
10. Review and summaries international best practices and standards
11. Preliminary discussions with EQA and MoLG (and if necessary, with other stakeholders) on the policy recommendations (local team)
12. Draft strategy with its implementation roadmap (international team)



Initial macro plan of work



Task	March '24	April '24	May '24	June '24	July '24	August '24	September '24	October '24
Task 0: Kick-off meeting	█							
Task 1: Organise an inception meeting		█						
Task 2: Define the baseline situation of plastic generation and waste with focus on the selected SUP items in Palestine.		█	█	█	█			
Task 3: Identify and discuss priorities and recommendations for policy measures to tackle plastic pollution and phase out SUPs		█	█	█	█			
Task 4: Develop a draft strategy to tackle plastic waste including SUPs in Palestine, with a clear vision and a roadmap for its implementation				█	█	█	█	█
Task 5: Compile a synthesis report								█



Detailed plan of work Tasks 0, 1, 2



#	Task/Subtask	Involved Experts		Timeline																																						
				March	April		May		June		July		August		September		October																									
		Lead	Support	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35				
	KICK Off and Inception phase																																									
<i>Task 0</i>	Kick Off Meeting		all																																							
<i>Task 1</i>	Inception meeting		all																																							
<i>T1.1</i>	Choice of the 4 SUP's		all																																							
<i>D1.1</i>	Deliverable 1.1: inception report	SNKE1	all																																							
<i>Task 2</i>	Define the baseline situation of plastic generation and waste with focus on the selected SUP items in Palestine.																																									
<i>T2.1</i>	Identification and liaising with other ongoing activities in Palestine to tackle plastic waste and reduce SUPs	SNKE4	SNKE3																																							
<i>T2.2</i>	Identification of the key actors and stakeholders (including plastic importers) involved in producing and using plastics and managing plastic waste and their roles, responsibilities, and capacities	SNKE4	SNKE3																																							
<i>T2.3</i>	Desk-based research including: policy and institutional, legal and monitoring, technical, finance and cost recovery, PSP, communication, public awareness, research and development, related to waste management and focusing on plastics;	SNKE4	all																																							
<i>T2.4</i>	Identification and analysis of the role of national institutions and ministries involved in monitoring the sector (including the activities of importers), developing policies and legislation, and implementing mechanisms and procedures to reduce plastic waste	SNKE4	SNKE3																																							
<i>T2.5</i>	Review and evaluation of existing policies, regulations, and initiatives related to plastic waste management and identify gaps, challenges, and opportunities for improvement	SNKE3	all																																							
<i>T2.6</i>	Research and screening available information on the production and management of plastic waste with focus on selected priority SUP items, sources: production/trade databases, market research reports, manufacturing/retail industry trade press, impact assessment model outputs, etc.	SNKE4	SNKE3																																							
<i>T2.7</i>	Conduct an analysis of the current state of plastic waste pollution in Palestine, (if possible, through consultations) including the main sources, types, and quantities of plastic waste generated, industries that use the selected plastic items;	SNKE3	SNKE4																																							
<i>T2.8</i>	Benchmark of international experiences of this type of plastic waste relevant in terms of procedures and policies implemented.	SNKE2	SNKE1																																							
<i>T2.9</i>	Review on the alternative solutions and business models to reduce plastic waste that are feasible in the Palestinian context, with focus on selected SUPs;	SNKE1	all																																							
<i>T2.10</i>	Analysis of agreements concluded by Palestine within the international and regional frameworks and context to tackle plastic pollution.	SNKE3	SNKE4																																							
<i>T2.11</i>	Redaction of Deliverable 2	SNKE1	all																																							
<i>D2</i>	Deliverable 2: Baseline information document on plastic generation and plastic waste management focusing on the selected SUPs.																																									



Detailed plan of work Task 3



Water and Environment Support
in the ENI Southern Neighbourhood region

#	Task/Subtask	Involved Experts		Timeline																																		
				March			April					May					June					July					August					September					October	
		Lead	Support	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
Task 3	Identify and discuss priorities and recommendations for policy measures to tackle plastic pollution and phase out SUPs																																					
T3.1	Present the results from the baseline study (task 2) and a first draft of policy recommendations.	SNKE4	all																																			
T3.2	Describe the pros and cons of the proposed recommendations as well as the national strategic priorities.	SNKE4	SNKE3																																			
T3.3	Elaborate a set of possible policy measures to address plastic pollution in Palestine focusing on SUPs and key tasks to implement each recommendation. This includes (but is not limited to): community awareness, technical instructions and procedures related to plastic waste collection and management, procedures for the development of treatment/recycling units, developing appropriate methods management and disposal of plastic waste, identifying new investments and technologies	SNKE4	SNKE3																																			
T3.4	Prepare second draft of policy recommendation and set of measures	SNKE1	all																																			
T3.5	Discuss policy recommendations and measures with the EQA and MoLG, and if possible, with other stakeholders, as appropriate	SNKE3	SNKE4																																			
T3.6	Select policy recommendations and measures	SNKE3	all																																			
T3.7	Redact Deliverable 3	SNKE1	all																																			
D3	Report on the proposed policy recommendations and measures to tackle plastic pollution and phase out SUPs																																					



Detailed plan of work Tasks 4, 5



Water and Environment Support
in the ENI Southern Neighbourhood region

#	Task/Subtask	Involved Experts		Timeline																																		
				March	April	May	June	July	August	September	October																											
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
Task 4 Develop a draft strategy to tackle plastic waste including SUPs in Palestine, with a clear vision and a roadmap for its implementation																																						
T4,1	Develop a clear vision, objectives, and targets for a national strategy to address plastic waste pollution covering all aspects of waste management, including institutional, governance, legal, finance, public sector participation, technical, research, and public awareness, etc	SNKE4	all																																			
T4,2	Identify plastics sectors, types and sources of plastic to be covered by the work	SNKE4	all																																			
T4,3	Propose interventions and measures to address the entire plastic waste management chain, including prevention, reduction, reuse, recycling and disposal, prioritizing those with potential impact and feasibility and propose the implementation roadmap	SNKE4	SNKE3																																			
T4,4	Identify key stakeholders involved in implementing the strategy, their roles and responsibilities;	SNKE3	all																																			
T4,5	Identify and propose a national team of partners and competent authorities (eventually the national team for SWM) to monitor and assess the implementation of the strategy and the roadmap for its implementation.	SNKE3	SNKE4																																			
T4,6	Present and discuss the propositions and roadmap	SNKE4	all																																			
T4,7	Redact the Deliverable 4	SNKE1	all																																			
D4	A draft strategy with a roadmap for its implementation to tackle plastic waste focusing on SUPs in Palestine with a clear vision, objectives, key actions and timeline.																																					
Task 5 Compile a synthesis report																																						
T5.1	Drafting of a 2-page synthesis report on the progress, results and products of the activity and lessons learned.	SNKE1	SNKE4																																			

	Expert work
	Meeting
	Deliverable
	Approval



Open discussion on main issues and components of the strategy to combat plastic pollution



Water and Environment Support
in the ENI Southern Neighbourhood region

- Mr. Mohammad Hmaid, Senior Environment Expert (Local), WES NKE



Structure of Inception report

By Mr. Matias Rodrigues, Technical Coordinator of the activity WES NKE



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

1. INTRODUCTION TO THE PROJECT
 1. Context, main objectives and expected results of the activity
 2. Scope of work and deliverables
2. BACKGROUND INFORMATION
 1. Nature and extent of SUPS in Palestine
 2. Previous work in Palestine on SUPS or on related topics
3. REGULATORY FRAMEWORK
 1. Waste management legal frame
 2. Draft SUPS bylaw
4. SELECTION OF THE 4 SUPS
 1. Global and regional experience on SUPS
 2. Basis of selection process for Palestine
5. METHODOLOGY AND DETAILED PLAN OF WORK
 1. Validated methodology
 2. Detailed plan of work
6. STAKEHOLDER ENGAGEMENT
 1. Stakeholder identification and mapping



WES IMPACT ASSESSMENT METHODOLOGY

Dr. Emad Adly, WES Stakeholder Engagement and Impact Assessment Non-Key Expert



Water and Environment Support
in the ENI Southern Neighbourhood region

Interlinked aspects:



WES IMPACT ASSESSMENT METHODOLOGY



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

During Preparation

- Approval of Activities' ToRs (Impacts and Indicators)
- The selection and assessment process of candidates based on certain criteria to make sure that the right calibres are in place.

During Implementation

- Dynamic participatory activities involving quizzes, exercises etc.
- Evaluation *in situ* (e) questionnaires

After Implementation

- Follow-up and getting feedback (e-survey, interviews, capitalization questionnaires completed by FPs)



Evaluation of the meeting, impact assessment, next steps and closing

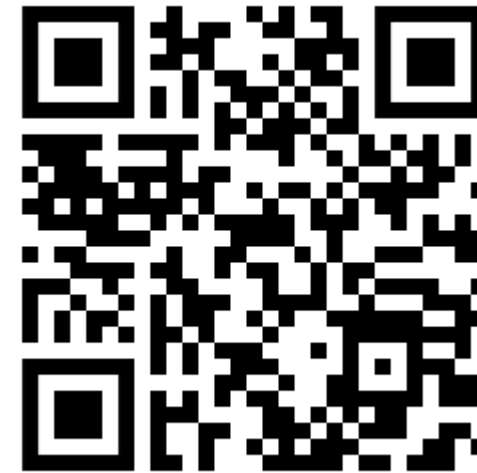


**Water and
Environment Support**
in the ENI Southern Neighbourhood region

Dr. Emad Adly, WES Stakeholder Engagement and Impact Assessment Non-Key Expert



Evaluation form



Commitment Form





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

Thank you for your attention!

