

Water and Environment Support

in the ENI Southern Neighbourhood region

Activity: WES N-E-DZ-1

Training on marine litter monitoring & mitigation

Water and Environment Support (WES): an overview

The WES marine litter activities in Algeria

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Member of the UNEP/MAP CORMON Group

WP Leader of Plastic Busters MPAs & Plastic Busters CAP



WES OBJECTIVES



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- WES aims at **protecting the environment and improving the management of scarce water resources in the Mediterranean.**
- It strives to address the country needs for creating the enabling environment and **enhancing the capacities of stakeholders in the Partner Countries (PCs) to tackle problems** related to pollution prevention and water use efficiency.
- WES capitalises on previous successful EU funded regional projects running for more than 10 years (Horizon 2020 CB/MEP; SWIM SM; SWIM-Horizon 2020 SM).



WES FACTS & FIGURES



**Water and
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in the ENI Southern Neighbourhood region

Facts & Figures	
Partner Countries:	Algeria, Egypt, Israel, Jordan, Lebanon, Morocco, Palestine and Tunisia
Project value:	9,508,054 Euros
Duration:	May 2019 – November 2024 (66 months)
Project team:	<p>Team Leader: Professor Michael Scoullos, scoullos@wes-med.eu Water Expert: Ms Suzan Taha, taha@wes-med.eu Environment Expert: Mr. Anis Ismail, a.ismail@wes-med.eu Communication & Networking Expert: Ms Lisa Papadogeorgaki, lpa@ldk.gr Stakeholder Engagement Expert: Dr. Emad Adly, wes.gc@raednetwork.org</p>



WES CONSORTIUM



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LDK Consultants Global EEIG (Leader)



Gopa Infra GmbH



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



**MedWaves the UNEP/MAP Regional Activity
Centre for SCP**



**Arab Network for
Environment and Development (RAED)**



Ramboll Denmark A/S



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



Royal HaskoningDHV



**CIHEAM – Mediterranean Agronomic Institute
of Bari (CIHEAM Bari)**



TECHNICAL ASSISTANCE, CAPACITY BUILDING, NETWORKING OF STAKEHOLDERS



**Water and
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Regional level:

- Around **20 Regional Activities** on major water and environment issues such as **Trainings/Workshops, Study Visits** to European and Southern Mediterranean countries, **Webinars** and coached **Peer-to-Peer exchanges**.
- **+3 Regional Activities on plastic pollution** (environment)

National Level:

- Around **4 National Activities** (2 on water and 2 on environment) **per Partner Country**
- **+ Activities on plastic pollution** (environment)
- **National WES Meetings:** collaboration platforms to assess progress, plan next steps, enhance synergies with other programs/ projects, etc.

Follow the WES work programme:
[Component 1 Work Programme](#)
[Component 2 Work Programme](#)



ASSESSING IMPACT OF WES CAPACITY BUILDING



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• **Committed trainers and trainees** → **significant impacts**

• WES measures **direct results** during the implementation of CB activities:

- quizzes, exercises, etc.
- evaluation form → *make sure to complete it!*
- **commitment form** → *be realistic but also be ambitious on what you commit to achieving by 2023*

WES measures **mid-term results** after the CB activities have taken place based on **commitments** made, e.g.:

- on-line post-impact survey sent to all trainees
- direct contact/interview with some selected trainees

TOGETHER
WE CAN WORK TOWARDS
A SUSTAINABLE
MEDITERRANEAN REGION



WES SUPPORT TO MARINE LITTER MONITORING AND MANAGEMENT IN ALGERIA



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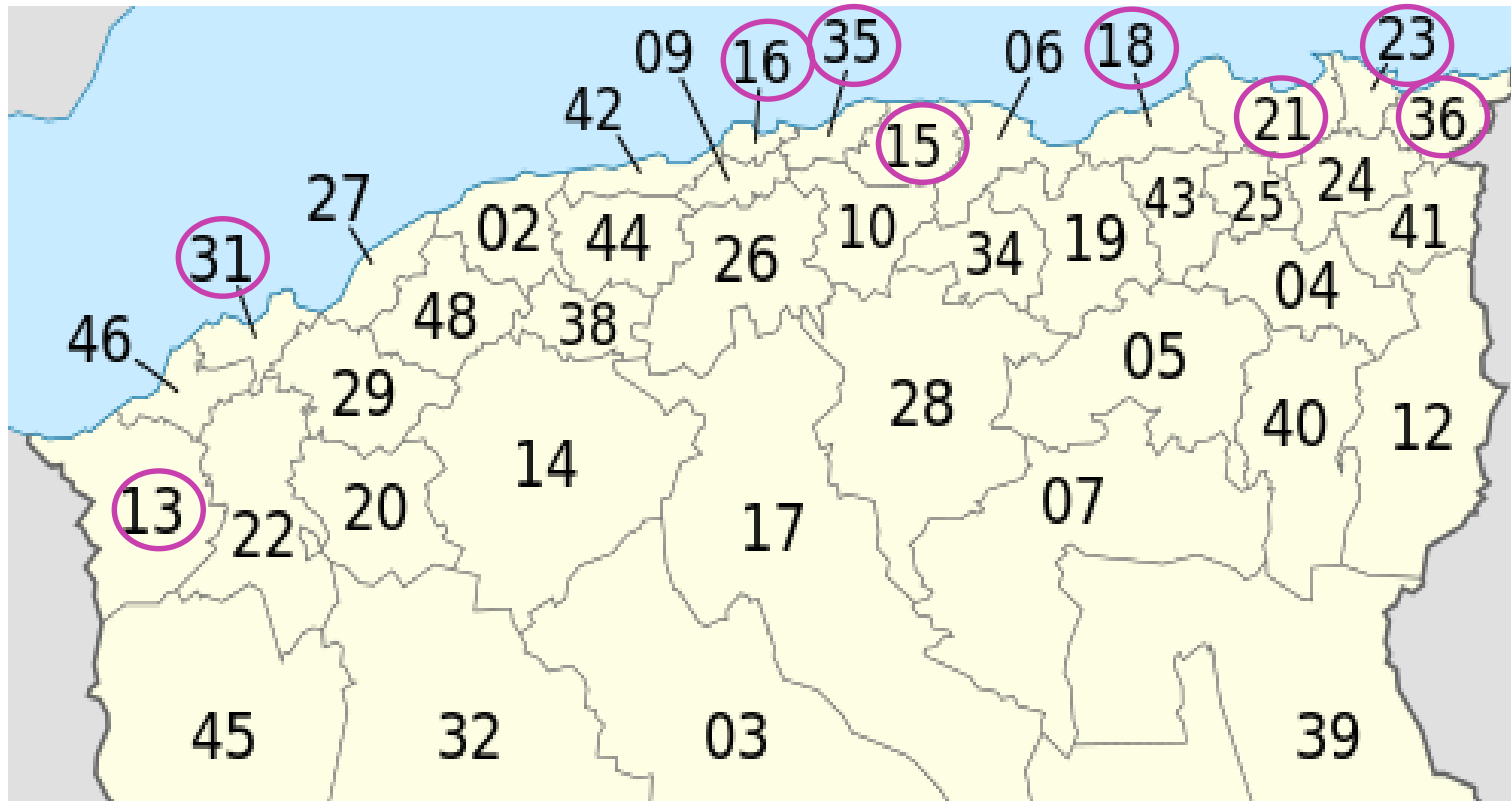
COMPONENT	Component 1 – Pollution prevention
WES TOPIC:	Topic 1: Curbing Plastic Pollution & Marine Litter
WES SUBTOPIC	Sub-Topic 1.1: Marine litter monitoring and management
DIMENSION	Technical Assistance & Capacity Building



WES CAPITALIZES ON SWIM-H2020 SM ACTIVITIES ON MARINE LITTER CARRIED OUT IN ALGERIA



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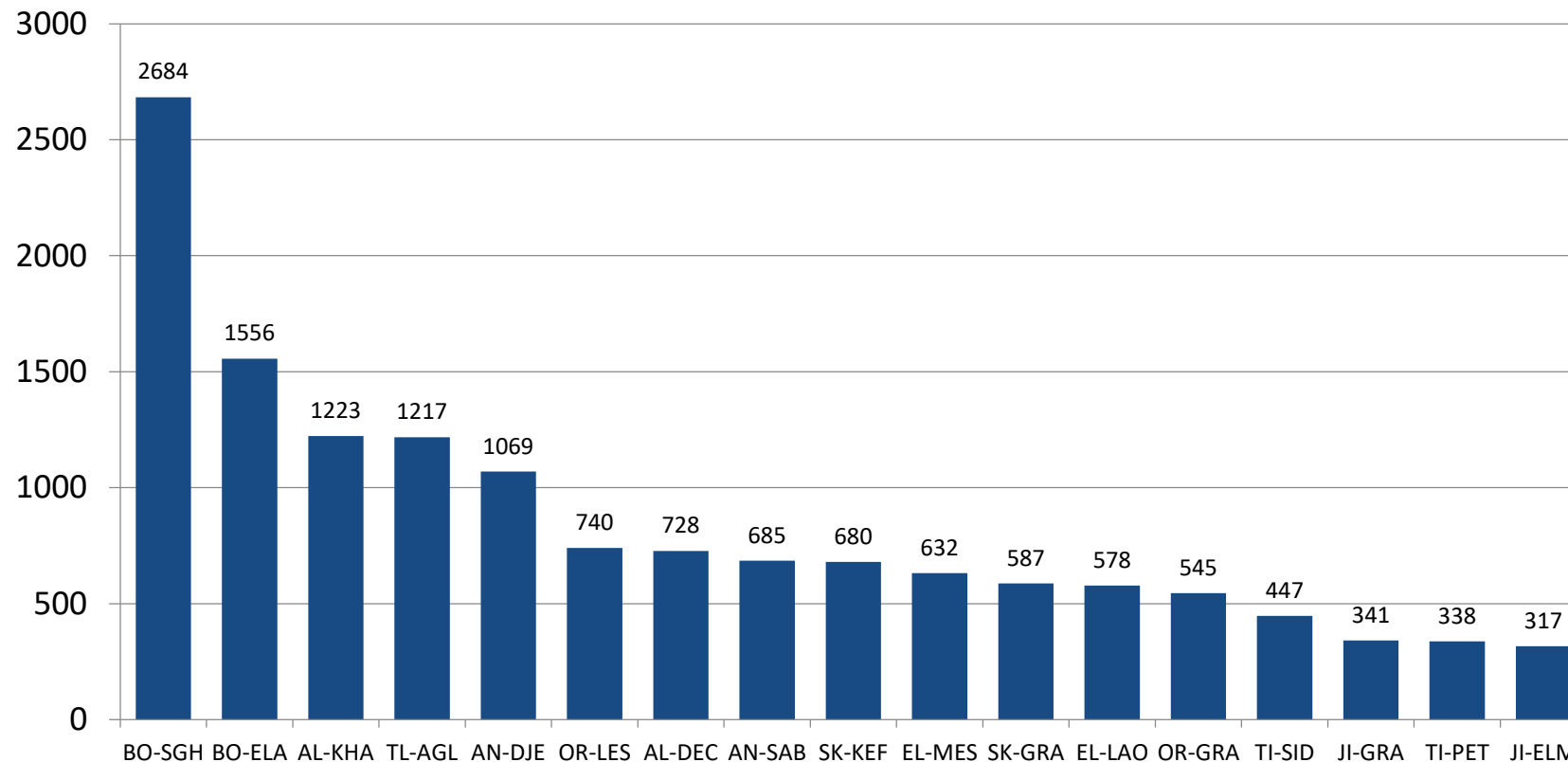
Four sets of surveys were performed in each site; in April 2018 (spring surveys), from mid-June to mid-July 2018 (summer surveys), from mid-September to mid-October 2018 (autumn surveys) and from mid-November to mid-December 2018 (winter surveys). **A total of 111 beach transects were surveyed, which extended over a distance of 11,900m and covered a surface area of 574,992 m².**



ASSESSING MARINE LITTER ON THE ALGERIAN COASTLINE



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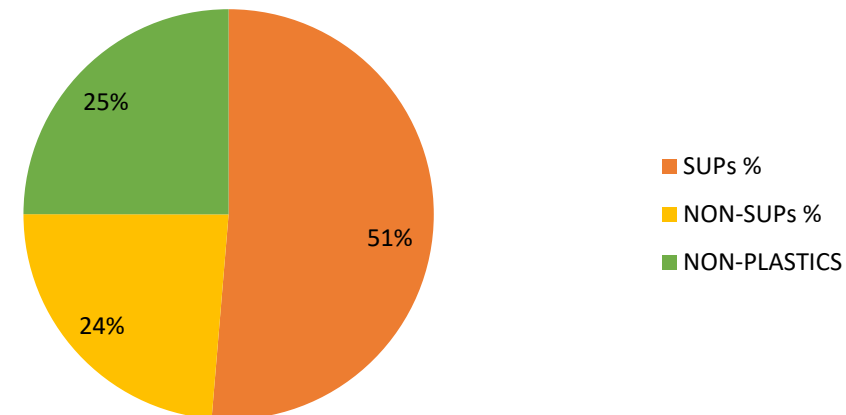
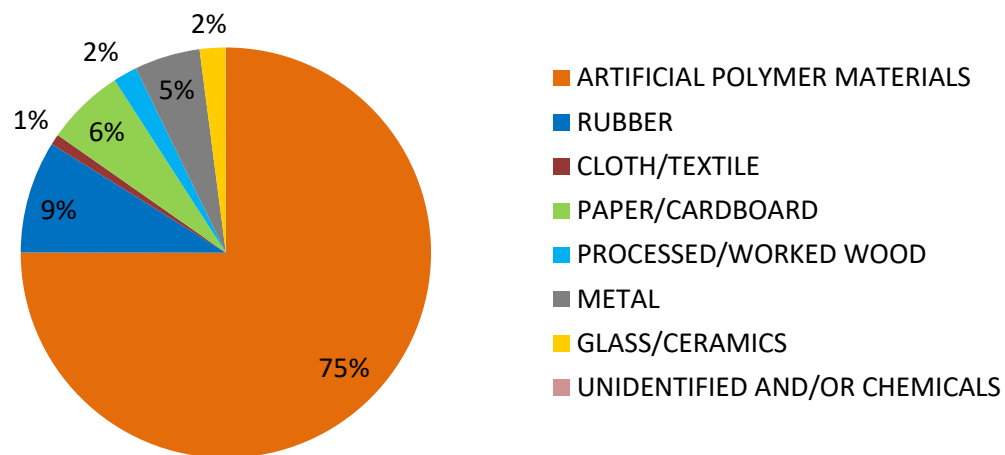
On the 17 sites surveyed, a total of 96,737 items were recorded, removed and classified. An average marine litter density of **872 items/100m** was calculated, ranging from 317 items/100m to 2,684 items/100m.



ASSESSING MARINE LITTER ON THE ALGERIAN COASTLINE



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	Item code	Item name	Items count	%
1	G21	Plastic caps/lids from drinks	19426	20,1
2	G125	Balloons and balloon sticks	8304	8,6
3	G27	Cigarette butts and filters	7557	7,8
4	G8	Drink bottles >0.5l	7253	7,5
5	G23	Plastic caps/lids unidentified	5335	5,5
6	G3	Shopping bags, incl. pieces	5281	5,5
7	G7	Drink bottles <=0.5l	3496	3,6
8	G175	Cans (beverage)	3012	3,1
9	G4	Small plastic bags	2638	2,7
10	G79	Plastic pieces 2.5 cm > < 50cm	2545	2,6



OBJECTIVES



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To generate fit-for-purpose data on the amounts, types, composition and sources of marine litter on the sea surface and the seafloor.

To identify management measures to tackle the identified sources and types of marine litter;

To contribute to the operationalization of marine litter measures addressing the whole management cycle from monitoring and assessment to prevention and mitigation



MAIN LINES OF ACTION



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Task 1:

Preparatory actions, including an inception mission to Algeria, to kickstart the activity

- ▶ Result 1.1: Aims, targets, steps (methodology), stakeholders to be engaged, modalities of intervention of stakeholders as well as their roles and commitments during and after the activity, are confirmed and agreed.
- ▶ Result 1.2: Algerian Peers for the WES Marine Litter Peer-to-Peer exchange identified/confirmed.



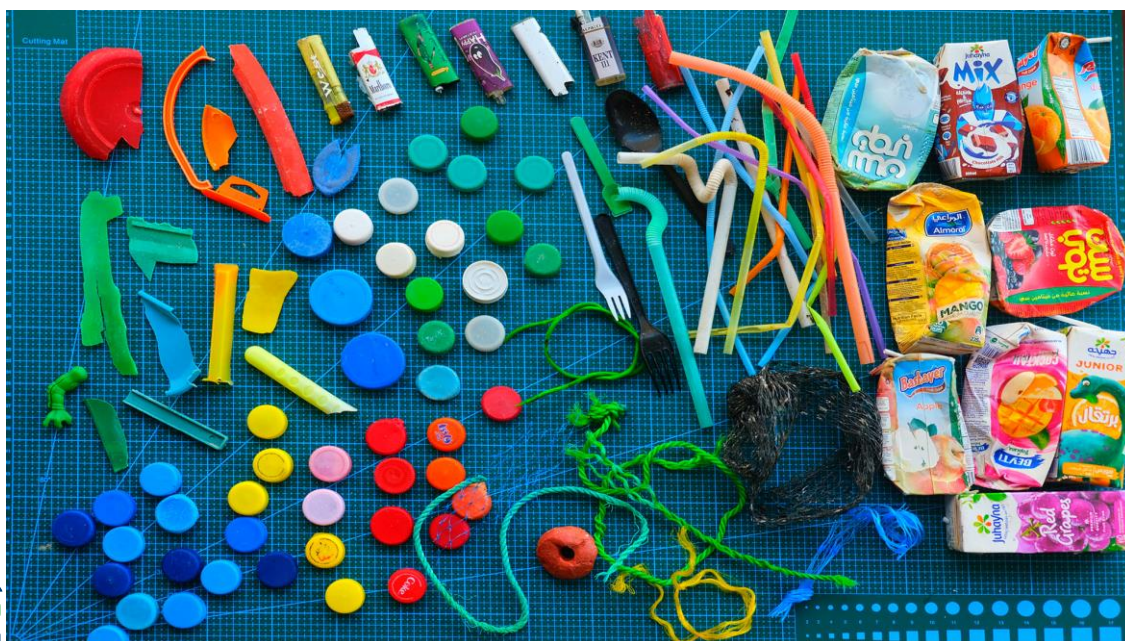
MAIN LINES OF ACTION



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Task 2:

Carry out marine macrolitter pilot surveys on the sea surface and the seafloor, including a hands-on training & peer mentoring



Result 2.1: Marine macrolitter datasets from the pilot monitoring surveys on the sea surface and the seafloor.

Result 2.2: The core group will be trained (pilot surveys, training workshop, peer-to-peer process) on how to properly monitor marine macrolitter (and microlitter) on the sea surface and macrolitter on the seafloor.



MAIN LINES OF ACTION



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Task 3:

Assess the amounts, types, composition and sources of marine litter and identify management options to feed into the Marine Litter Action Plan of Algeria



Result 3.1: Comprehensive assessment of the amounts, types, composition and sources of marine litter in Algeria.

Result 3.2: Identification of management options for tackling marine litter in Algeria to feed into the Marine Litter Action Plan of Algeria



MAIN LINES OF ACTION



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Task 4:

Build capacities for informed decision-making with regards to marine litter and for operationalizing best practice marine litter measures via a workshop

Result 4.1: A core set of professionals trained on how to make informed decisions based on sound scientific evidence.

Result 4.2: A shortlist of marine litter priority measures.

Result 4.3: A wider group trained on how to operationalize best practice marine litter measures.

Result 4.4: Follow up actions agreed.



DELIVERABLES



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Tasks	Deliverables
Task 0 Kick-off meeting Task 1 Preparatory actions, including an inception mission to Morocco, to kickstart the activity	D.1.1. Inception mission report
Task 2 Carry out marine macrolitter pilot surveys on the sea surface and the seafloor, including a hands-on training & peer mentoring	D.2.1. Marine macrolitter datasets D.2.2. Training & peer-to-peer mentoring report
Task 3 Assess the amounts, types, composition and sources of marine litter and identify management options to feed into the Marine Litter Action Plan of Algeria	D.3.1. Assessment report, including a literature review and a section with the identification of management options
Task 4 Build capacities for informed decision-making with regards to marine litter and for operationalizing best practice marine litter measures via a workshop	D.4.1. Workshop report, including shortlist of marine litter priority measures and the follow-up actions agreed by the stakeholders
Task 5 Synthesis Report	D.5.1 Synthesis Report





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Thank you for your attention!

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