



La Méditerranée, une mer de plastique : quelles solutions de terrain ?

The Mediterranean, a sea of plastics: what solutions on the field?

24/03/2021

monaco
ocean week

S'engager pour une Méditerranée sans plastique

A commitment for a plastic free Mediterranean

Les objectifs de BeMed

BeMed's objectives

- Soutenir et mettre en réseau les acteurs méditerranéens
Support and develop a network of Mediterranean stakeholders
- Mettre en œuvre des solutions efficaces et durables
Implement effective and sustainable solutions
- Partager la connaissance et les bonnes pratiques
Raise awareness and disseminate best practices

BEYOND
PLASTIC
MED

La Méditerranée : Mare plasticum

The Mediterranean : Mare plasticum

Mercedes Muñoz Cañas

Union Internationale pour la Conservation de la Nature

(UICN)

International Union for the Conservation of Nature (IUCN)



The Mediterranean:
Mare plasticum

Julien Boucher and Guillaume Billard



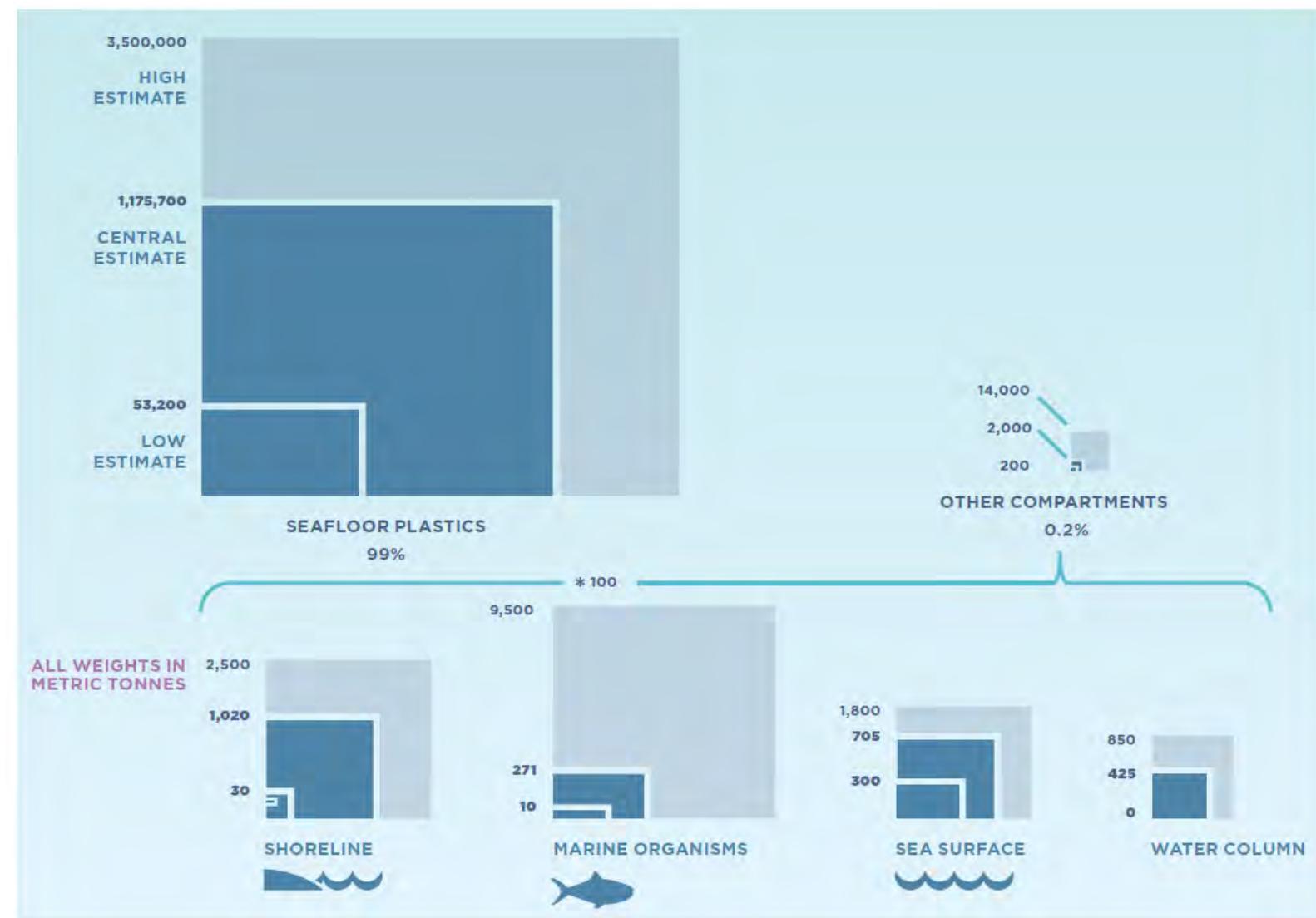
INTERNATIONAL UNION FOR CONSERVATION OF NATURE



Current situation

How much plastic is accumulated in the Mediterranean sea?

Situation actuelle
Combien de plastique est accumulé dans la mer Méditerranée?

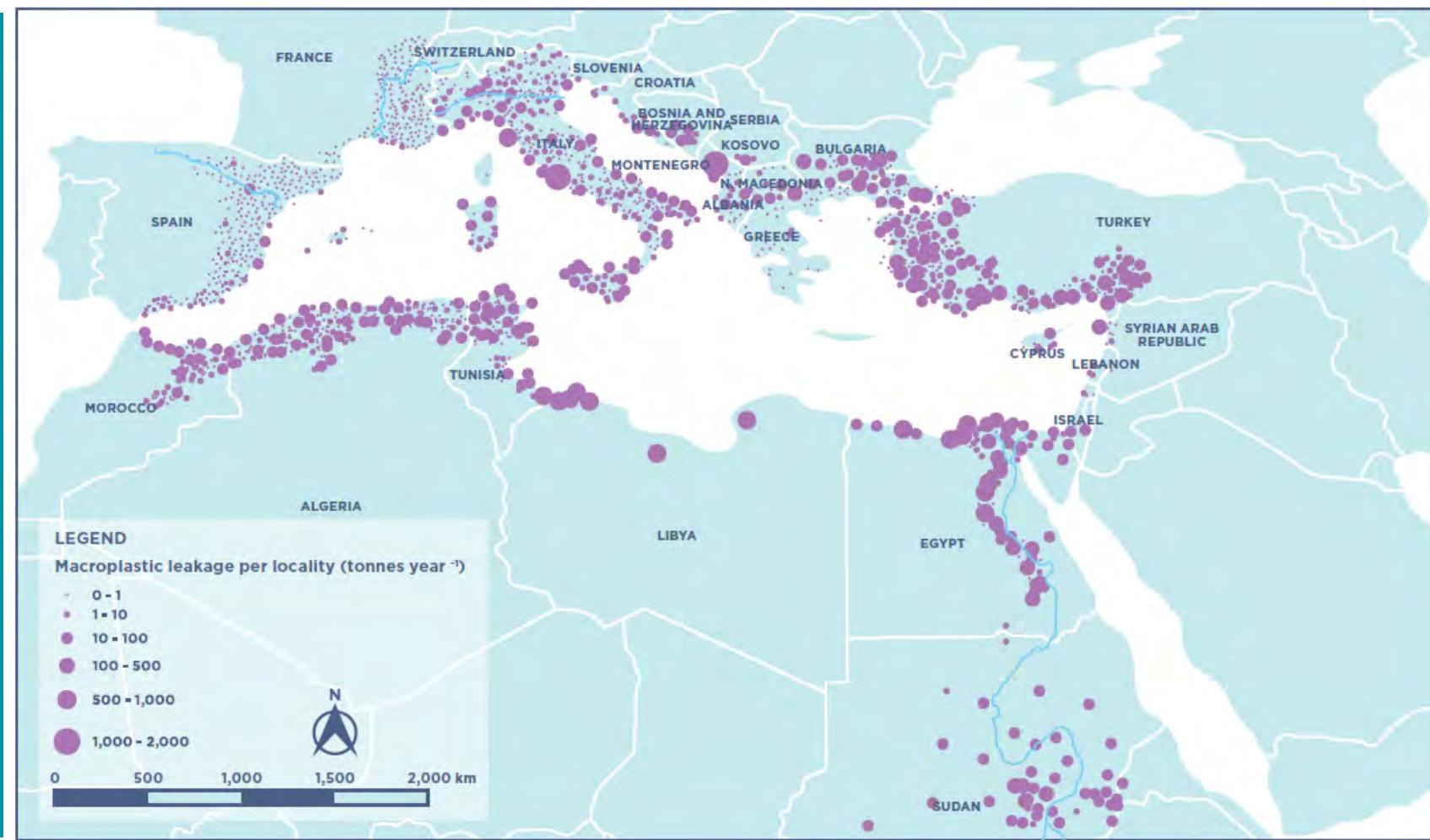


Plastic footprint

How much plastic is leaking into the Mediterranean sea every year?

Plastic Footprint

Combien de plastique rejeté dans la mer Méditerranée par an?





Drawdown scenarios

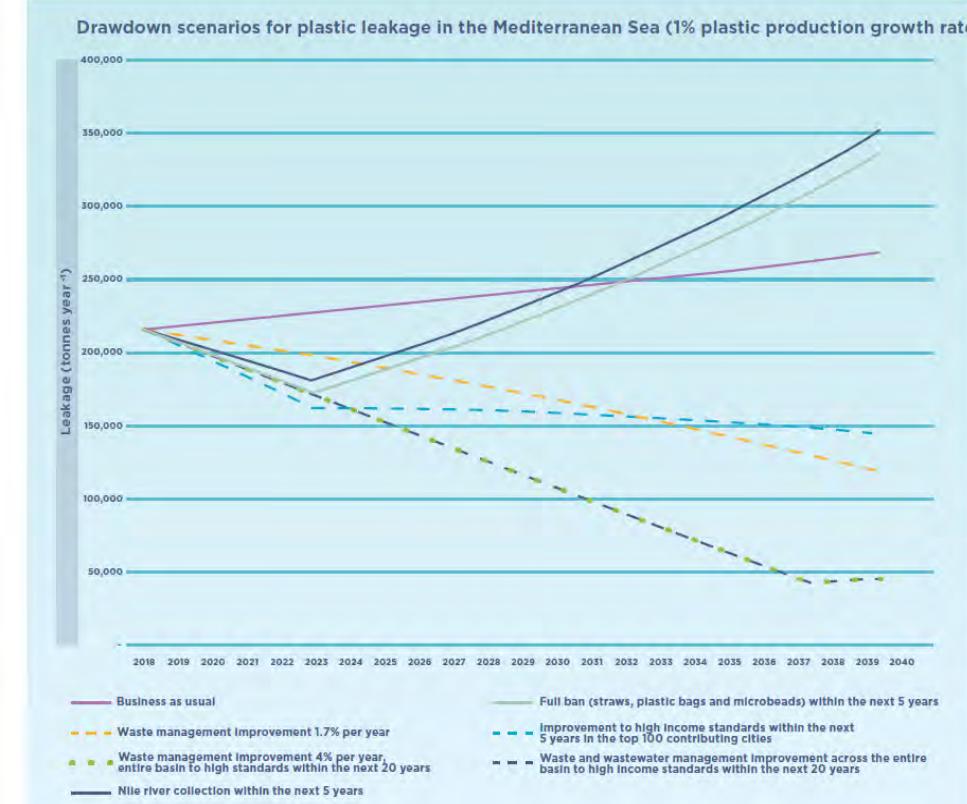
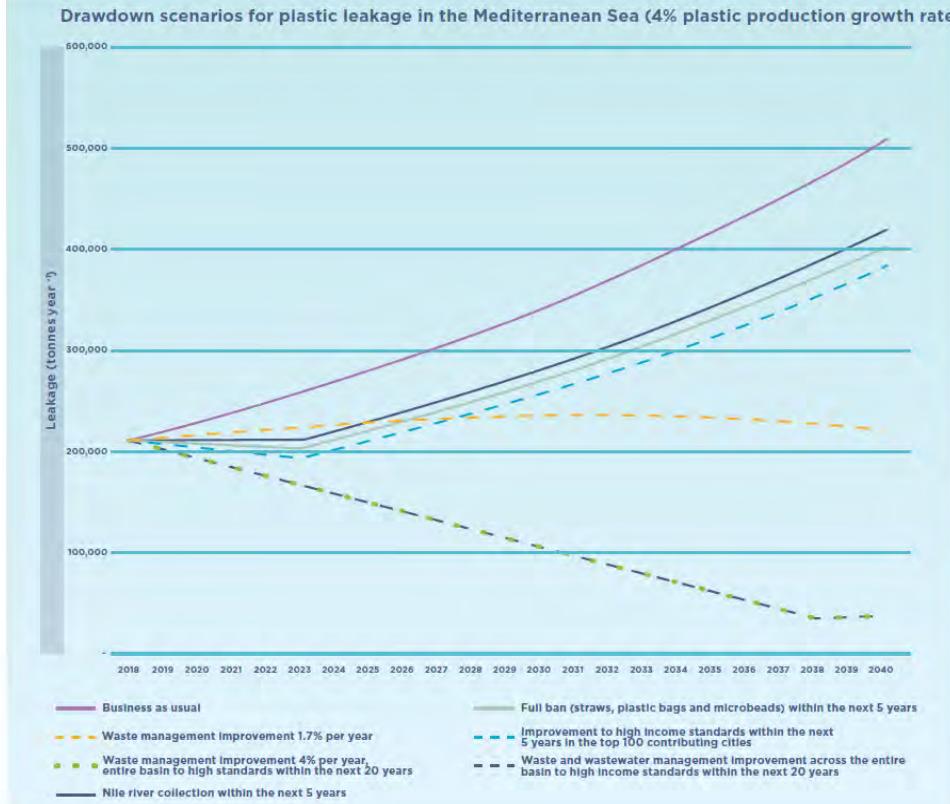
What are the key actions that could ensure plastic leakage abatement in the Mediterranean Sea?



Réduction Scénarios

Quelles sont les actions clés qui pourraient garantir la réduction des fuites plastiques?

	ACTION	DESCRIPTION	MAIN HYPOTHESIS	CALCULATION ROUTE FOR LEAKAGE (if applicable)	RESULT Plastic use reduction per year (tonnes)	RESULT Leakage reduction per year (tonnes)	
1	BANS	Ban straws	Ban plastic straws or small plastic items	$N_{straw} \cdot W_{straw} \cdot P$	5,850	211	
2	BANS	Ban plastic bags (current commitments)	Current commitment	Appendix 1.10	480,642	1,453	
3	BANS	Ban plastic bags (global ban)	Full ban in the watershed	Average per capita use: $N_{bag}=365$ bags weight of a bag $W_{bag}=8.5$ g population of the basin: 450 million inhabitants (P) MWI 67% and RR=5.4%	$N_{bag} \cdot W_{bag} \cdot P$	1,396,125	50,315
4	BANS	Ban microbeads (current commitment)	Full ban in the watershed	Bans in all EU countries	(based on the GIS model)	488	
5	BANS	Ban microbeads (global ban)	Full ban in the watershed	Average per capita use: $Q_{microbeads}=6$ g population of the basin: 450 million inhabitants (P) Share of wastewater treatment in the watershed	$Q_{microbeads} \cdot P \cdot ((1-SWT) + (SWT \cdot RR_{wrm}))$	2,700	1,597
6	PLASTIC-FREE LIFESTYLE & CITIZEN BEHAVIOUR	Decrease of the growth rate of the plastic production as a result of relying society preying less on plastic	Reduce plastic production (by reducing consumption)	Plastic production growth rate reduced from 4% to 2%, assuming a linear reduction of leakage, based on annual leakage of 216 269 tonnes	(based on the GIS model)	4,325	
7	PLASTIC-FREE LIFESTYLE & CITIZEN BEHAVIOUR	Campaigns to reduce littering	Reduce littering by 80%	Set littering rate to 0.4% instead of 2%	(based on the GIS model)	5,165	
8	WASTE AND WASTEWATER MANAGEMENT	Improve waste collection and management by 10%	Improve waste collection and management on average by 10%	MWI reduced from 67% to 57% as the average in the Mediterranean basin	(based on the GIS model)	32,279	
9	WASTE AND WASTEWATER MANAGEMENT	Improve waste collection and management in 100 key cities	Achieve the waste management standards of high income countries in the 100 most polluting cities	MWI reduced from an average of 67% to 6% in the Mediterranean basin	(based on the GIS model)	52,779	
10	WASTE AND WASTEWATER MANAGEMENT	Improve waste collection and management (up to best in class standard)	General improvement across all countries so that the average mismanagement index reaches that of high income countries	MWI reduced from 67% to 6% as average in the Mediterranean basin	(based on the GIS model)	196,902	
11	WASTE AND WASTEWATER MANAGEMENT	Improve wastewater collection and treatment	95% of water treated throughout the basin	Share of wastewater treated SWT=95%	(based on the GIS model)	522	
12	CLEAN-UPS	Waste capture at Nile river dams	The Nile, a big contributor to leakage, has 13 dams that offer great potential for recovery of floating waste	Recovery of 80% of plastic waste floating on the Nile river	(based on the GIS model)	44,023	



Sans changements radicaux, les fuites de plastique doubleront et dépasseront les 500 000 tonnes par an en 2040

Without radical intervention, the leakage will easily double and reach over 500,000 tonnes per year by 2040



Les solutions de terrains

The field solutions

Les lauréats BeMed 2020

The 2020 BeMed's awardees

Appel à projets dans les îles de Méditerranée

Call for projects in Mediterranean islands



Appel à micro-initiatives

Call for micro-initiatives



Les solutions de terrains

The field solutions



Rassembler et mobiliser les acteurs
Assemble and mobilize stakeholders



Sensibilisation
Spread the word



Rechercher et collecter des données
Experimentation and data collection



Améliorer la collecte des déchets
Improve waste management



Réutiliser et trouver des alternatives
Reuse and find alternatives



Aider à la mise en place de réglementations
Recommendation and new regulations

Rassembler et mobiliser les acteurs *Assemble and mobilize stakeholders*

Centre de Découverte Mer et Montagne CDMM

Delphine Lambert
France





Rassembler et mobiliser les acteurs *Assemble and mobilize stakeholders*

Association de la continuité des générations (ACG)

Fatma Dammak

Tunisie, Tunisia





Rassembler et mobiliser les acteurs *Assemble and mobilize stakeholders*

Association for nature,
environment and sustainable
development (SUNCE)

Tea Kuzmić Rosandić

Croatie, Croatia





Rassembler et mobiliser les acteurs
Assemble and mobilize stakeholders

Save the Med
&
Ibiza Preservation

Sandra Benbeniste
Espagne, Spain





Rassembler et mobiliser les acteurs

Assemble and mobilize stakeholders

Zibel

Andrew Schembri

Malte, Malta





Rassembler et mobiliser les acteurs
Assemble and mobilize stakeholders

Regional Activity Centre for
Sustainable Consumption and
Production (SCP RAC)

&

Small Islands Organisation (SMILO)

Magali Outters

Méditerranée, Mediterranean





Rechercher et collecter des données

Experimentation and data collection

Society for the protection of turtles (SPOT)

Ceren Barlas

Chypre, Cyprus





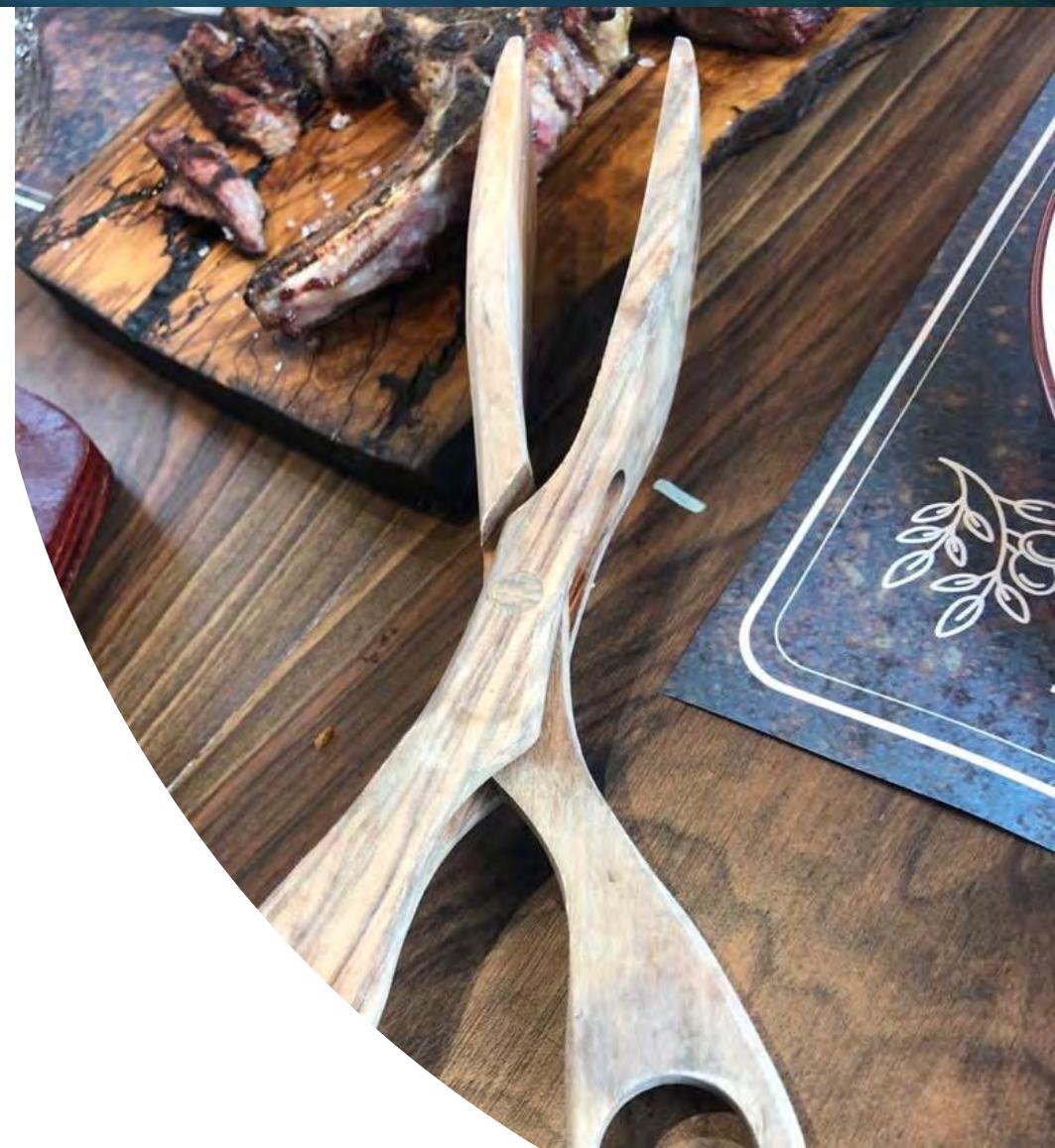
Réutiliser et trouver des alternatives

Reuse and find alternatives

Doctor Vet in Community

Daniel Ferko

Albanie, Albania



Réutiliser et trouver des alternatives

Reuse and find alternatives

Association citoyenne et
développement durable
(ACDD)

Abdelbasset Hamrouni

Tunisie, Tunisia





Réutiliser et trouver des alternatives
Reuse and find alternatives

Isotech LTD environmental
research and consultancy

Demetra Orthodoxou

Chypre, Cyprus





Réutiliser et trouver des alternatives
Reuse and find alternatives

Small Islands Organisation
SMILO

Sylvain Petit

France, Tunisie, Italie
France, Tunisia, Italia



Human environmental association for development (HEAD)

Marc Dib

Liban, Lebanon



Sensibiliser
Spread the word

Nature Trust - FEE Malta

Marvic Refalo

Malte, Malta



Sensibiliser
Spread the word

NGO Our Action

Dejan Besovic

Monténégro, Montenegro



Sensibiliser
Spread the word

VeryNile
Mona Elkateb
Egypte, Egypt





Améliorer la collecte des déchets

Improve waste management

Association pour la protection
de l'environnement et le
développement durables de
Bizerte (APEDDUB)

Najoua Bouraoui

Tunisie, Tunisia



Améliorer la collecte des déchets

Improve waste management

Tunisie Ecologie

Abdelmajid Dabbar

Tunisie, Tunisia





Améliorer la collecte des déchets

Improve waste management

Royal Albania Foundation

Klea Korro

Albanie, Albania





Améliorer la collecte des déchets

Improve waste management

Association Jlij pour
l'Environnement marin

Faiçal Ghzaiel

Tunisie, Tunisia





Questions ?

Rassembler et mobiliser les acteurs *Assemble and mobilize stakeholders*

CDMM – Delphine Lambert
ACG - Dr SANA TAKTAK KESKES
Wise Greece – Melina Taprantzi
SUNCE – Tea Kuzmičić Rosandić
Ibiza Preservation – Sandra Benbeniste
SCP RAC – Magali Outters
Zibel – Manya Russo

Rechercher et collecter des données *Experimentation and data collection*

SPOT - Ceren Barlas

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IUCN - Mercedes Muñoz Cañas

Réutiliser et trouver des alternatives

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SMILO – Sylvain Petit
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Isotech LTD – Demetra Orthodoxou

Sensibilisation *Spread the word*

Head – Marc Dib
Nature Trust - FEE Malta – Marvic Refalo
NGO Our Action - Dejan Besovic
VeryNile - Mona Elkateb
Zibel – Manya Russo

Améliorer la collecte des déchets *Improve waste management*

APEDDUB - Najoua Bouraoui
Tunisie Ecologie – Abdelmajid Dabbar
RAF – Klea Korro
AJEM – Faiçal Ghzaiel



Merci - Thank you

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CHANEL



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