



Mediterranean Action Plan Coordinating Unit
Barcelona Convention Secretariat



Proposal for the development of improvements on the solid waste management indicators in use

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Scope of work

- To open the discussion on the use of proper indicators that will link marine litter (ML) and municipal solid waste management (SWM).
- To identify the improvements required in order to have indicators that will be:
 - Better describe and reflect the linkages between SWM and ML
 - Representative of the recent findings on ML quantities and composition
 - Linked with the shift to Circular Economy (CE)
 - Suitable for decision makers and decision takers



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| INDICATORS | Drivers | Pressures | State | Impacts | Responses |
|---|---------|-----------|-------|---------|-----------|
| IND 1 - Municipal waste generation IND 1.A Municipal waste composition | | X | | | |
| IND 2 - Collected and treated municipal waste IND 2.A Number, type and location of landfills | | X | X | | |
| NAP 11: Proportion of urban SW regularly collected and with appropriate final discharge out of total urban waste generated by cities | | X | X | | |
| NAP 12: Share of recycled, landfilled or incinerated municipal waste with respect to collected amount | | | X | | |
| NAP 13: Amounts /trends of marine litter washed ashore and or deposited in coastlines, including analysis of composition, spatial distribution and where possible, source | | | X | X | |
| NAP 14: Index of coastal eutrophication and floating plastic debris density | | | X | X | |
| NAP 15: Share of existing illegal solid waste dumpsites on land that have been closed (in past 10 years) with respect to the total number | | | X | | |



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E. Proposed Indicators

IND 1 Municipal Waste Generation stays as it is, but special emphasis should be given to:

- Plastic Waste Generation per capita
- Touristic activities, and
- Coastal Areas.

IND 1 - Municipal waste generation

IND 1.A Municipal waste composition

IND 1.B Plastic waste generation per capita

IND 1.C % of population living in Coastal Areas / Total Population

IND 1.D % of Tourists / population living in Coastal Areas



IND 2 – “Hardware” of waste management

IND 2.A Waste Collection

Waste Collection Coverage: % households who have access to a reliable waste collection service.

Waste Captured by the solid waste management and recycling system: % of waste generated that is collected and delivered to an official facility.

IND 2.B Environmental Control

Controlled treatment or disposal: % of the total municipal solid waste destined for treatment or disposal which goes to either a waste treatment facility (MRF, thermal, mechanical-biological) or sanitary landfill.

IND 2.B.1 % of waste that goes to uncontrolled dumpsites

IND 2.B.2 Number of uncontrolled dumpsites in Coastal Areas

IND 2.B.3 Quantities of waste going to uncontrolled dumpsites in Coastal Areas

IND 2.C Resource Recovery

% of total municipal solid waste generated that is recycled. Includes materials recycling and organics valorization (composting, animal feed, anaerobic digestion).

IND 2.C.1 % of plastic solid waste generated that is recycled. Includes plastic recycled in formal and informal systems, both through source separation and MRFs.



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IND 3 “Software” of waste management

IND 3.A Is there a National Plan for ML? (Yes or No)

IND 3.B Are there mandatory targets for source separation of plastics? (Yes or No)

IND 3.C Are there Extended Producer Responsibility obligations and schemes for plastics? (Yes or No)

IND 3.D Is there legislation to stop the use of single-use plastics? (Yes or No)

IND 3.E Is there a national plan to close the dumpsites within next 10 years? (Yes or No)

IND 3.F Is there a government budget for investments in waste management infrastructure for closing the dumpsites, reducing landfilling and promoting recycling and waste treatment? (Yes or No)

IND 3.G Is there a legal framework for the creation of waste management authorities by municipalities?

IND 3.H Are there waste management authorities in the Coastal Areas? (Yes or No)

IND 3.H Are there green procurement rules in place? (Yes or No)

IND 3.I Are there policies to support sustainable tourism? (Yes or No)

IND 3.J Are there eco-labelling and eco-design procedures? (Yes or No)



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Thank you



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