

Monthly E-Bulletin of the Project “Zero Waste Strategy for Good Environmental Status-BSB257”

E-Bulletin No:25

Common borders. Common solutions

This project is funded by the 1st Call for Proposal of the Joint Operational Programme “BLACK SEA BASIN 2014-2020”

BSB257 ZEWSGES (Zero Waste Strategy for a Good Environmental Status) Project

Marine Litter Monitoring Activities of ZEWSGES Project and Achievements

Why marine litter monitoring?

It is necessary to recognize the quantity and quality of marine litter which gets into our marine areas in order to develop policies and strategies to decrease that litter or to raise the effectiveness of current precautions. The European Marine Strategy Framework Directive (MSFD), which has defined the marine litter to assess “The Good Environmental Status” of the sea environment, comprises the commitment of monitoring beach litter.

OSPAR (OSPAR Commission, 2010) prepared the guidelines as a data collection tool for monitoring the marine litter with a standard methodology.

Marine litter monitoring activities have been planned for ZEWSGES Project on four coastal areas in four countries on the Black Sea Coastline including Turkey, Ukraine, Bulgaria and Georgia, regarding the detailed methodology specified in the earlier E-bulletins.

The selected coasts to treat

- Kiyiköy (Turkey)
- Sand Spit, Pomorie (Bulgaria)
- Kryzhansky, Odessa (Ukraine)
- Kvavilnari (Georgia)

Monitoring frequency and period

- Winter: Mid-December - mid-January
- Spring: April
- Summer: Mid-June - mid-July
- Autumn: Mid-September - mid-October

The number and dates of monitoring for the partner country in the selected coast are given in Table 1.

Item classification

The litter has been classified according to OSPAR Guidelines (Guideline for Monitoring Marine Litter on the Beaches in the OSPAR Maritime Area, OSPAR scoring lists (OSPAR Commission, 2010). The litter items on the OSPAR lists are connected to different sources. Such as shipping, fisheries, tourism, sanitation and others.

All the items of the sampling is recorded on OSPAR survey forms with an OPRAR identification number while unknown litter or unidentified items by OPRAR have been put into “other item box” with a short description.



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Data Management

Beach litter monitoring are recorded on the database after the activity in order to process the results. The copied monitoring surveys have also been scanned and saved in digital format. The data gathered about beach litter will be used to have trend analysis on annual basis. The analysis done are trend analysis, calculation of total item counts, source analysis and material analysis.

Marine litter monitoring data is available at: <http://mlw.zerowastebsb.com/Home/Index>

Table 1: Number and date of monitoring activities for the partnering countries.

No of Monitoring	Date of monitoring for the partner countries			
	Turkey: https://zerowastebsb.net/Events/Category/16/TR	Bulgaria: https://zerowastebsb.net/Events/Category/15/BG	Ukraine: https://zerowastebsb.net/Events/Category/17/UKR	Georgia: https://zerowastebsb.net/Events/Category/18/GE
1	30.01.2019	23.01.2019	16.02.2019	27.01.2019
2	11.05.2019	22.04.2019	16.03.2019	24.04.2019
3	03.07.2019	11.07.2019	25.05.2019	24.08.2019
4	16.10.2019	30.09.2019	27.07.2019	22.11.2019
5	23.01.2020	22.01.2020	19.09.2020	02.02.2020
6	28.05.2020	30.04.2020	22.01.2020	27.05.2020
7	27.07.2020	31.08.2020	27.05.2020	17.07.2020
8	28.10.2020	23.09.2020	13.10.2020	30.11.2020
9		07.11.2020		02.02.2021
10		06.01.2021		
11		29.01.2021		
12		06.02.2021		

Project targets have been achieved in Marine Litter Monitoring Activities of ZEWSGES Project in all partnering countries.

The editor of the material: Tekirdağ Namik Kemal University

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