

MARLENA: Marine and River Litter Elimination  
New Approach, BSB – 139



## *INVESTMENT activities within MARLENA project*



*MARLENA project paid particular attention to development of environmentally and responsible citizenship and ecological behavior among citizens and youth. The "good" international practices to address the problem with waste were examined and presented in two of the participating regions - Demirkoy and Malko Tarnovo. MARLENA project promoted good environmental management practices and technologies related to the treatment and disposal of waste, the reduction of illegal dumping and the prevention of their adverse effects. In Malko Tarnovo municipality were implemented investments for separate collection of waste and promoted among local community.*

This publication has been produced with the financial assistance of the European Union. The contents of this publication are the sole responsibility of Malko Tarnovo municipality and can in no way be taken to reflect the views of the European Union.

## Construction and introduction of a system for separate waste collection on the territory of the town of Malko Tarnovo within MARLENA project



*Almost 40% of the landfilled waste in Malko Tarnovo municipality is: paper, cardboard, plastic, glass and metal. The large amount of waste that could fall into a separate collection system is the main reason for the municipality to take action to introduce such a system in order to reduce the landfilled waste and unregulated environmental pollution.*

*There was no practice in the municipality of Malko Tarnovo for separate collection of wastes. According to the elaborated Programme for waste management on the territory of municipality Malko Tarnovo, as a weakness in the SWOT analysis is recorded "There is no system for separate collection of recyclable waste in the municipality" and one of the reported threats is "Insufficient recycled waste". This is another reason for the realization of the current project proposal.*





## Investment activities and supplies in Malko Tarnovo, Bulgaria

The main objective of the investment activities is to contribute to the sustainable development of the Municipality of Malko Tarnovo through the implementation of an **Integrated Waste Management System** that will reduce the environmental impacts caused by the generated waste, improve the efficiency of the waste utilization as a resource, increase the responsibilities of polluters, stimulating investment in waste management.

### Purposes:

- Reduce the harmful impact of waste;
- Increasing the quantities of recycled and recovered waste by creating conditions for the construction of a network of facilities for the treatment of the entire amount of waste generated, reducing the risk to the population and the environment;
- Waste management, ensuring a clean and safe environment;
- Making the public a key player in implementing the waste management hierarchy.

2020 - at least 50% of the total weight of waste paper, cardboard, plastics, metals and glass are prepared for reuse and recycling.



This publication has been produced with the financial assistance of the European Union. The contents of this publication are the sole responsibility of Malko Tarnovo municipality and can in no way be taken to reflect the views of the European Union.

## Investment activities and supplies in Malko Tarnovo, Bulgaria

Construction of 9 separate waste collection sites - pouring of a foundation and delivery of stands for "Bob" containers

Supplied 27 "Bob" containers with a capacity of 1.1 m<sup>3</sup> / On the site will be stored three "bob"s- yellow, green and blue respectively for paper and cardboard, plastic and glass

Supplied of a collection truck for separately collected waste





## Large-scale Separate Waste Collection Campaign “Book for garbage” was held in the Municipality of Malko Tarnovo in the period 17-27 August 2019



Art Workshop: Let's Think Greener and Blue, very beautiful drawings were prepared for the exhibition "Collect Separate and Recycle for Clean Rivers, Sea and Forests."

Let's collect separately! - a demonstration and an open lesson at Yuri Gagarin Kindergarten in Malko Tarnovo.

Strandzha Handmade - a workshop inspired children's creativity to work with outdoor waste materials. Separate collection demonstrations and quizzes with attractive prizes were prepared for the children.



This publication has been produced with the financial assistance of the European Union. The contents of this publication are the sole responsibility of Malko Tarnovo municipality and can in no way be taken to reflect the views of the European Union.



Newsletter of the MARLENA project

Common borders. Common solutions.

6-th newsletter,  
May, 2020

MARLENA

Large-scale  
Separate  
Waste  
Collection  
Campaign  
“Book for  
garbage”  
was held in  
the  
Municipality  
of Malko  
Tarnovo in  
the period  
17-27  
August 2019



This publication has been produced with the financial assistance of the European Union. The contents of this publication are the sole responsibility of Malko Tarnovo municipality and can in no way be taken to reflect the views of the European Union.



Project funded by  
EUROPEAN UNION



CROSS BORDER  
COOPERATION



Black Sea  
CROSS BORDER  
COOPERATION



## Investment activities in Turkey



Investment works in the region of Demirköy, Turkey aim realization of construction works for elimination of illegal dumping area trough cleaning of the river bed and implementation of landscape works in Demirkoy city, namely cleaning and construction of river channel with length – 200 m.

The works started in May 2019 and will be finalized in June 2020. Through this serious investment and small scale works the river waters, crossed the city center were collected in special pipes and covered with soil and by this way was ensured there release from polluters. The ground above the river bed was transformed to creative place for the local people and visitors of Demirkoy – now the place has been turned to place for recreation and there will be placed playground for children.

The river waters crossed the city are very important at the view of the local nature, because the stream waters are connecting to the Bulanik River, that is passing the important Longoz Floodplain Forest in Igneada and flowing directly to Black sea waters. The protection of the habitat of these forests has crucial importance. Because, these forests are not only a rare natural value for Turkey but also for Europe.





By the local construction works very important results have been achieved. There was ensured fail to reach of The garbage to the water sources in Demirkoy and were stopped the pollution from the city to the local Bulanic river.

At the same time the local people and visitors won a special place for recreation, rest and play.

The works in Demirkoy will be finalized with placement of 50 info tables with notes for the protecting of the local biodiversity, water sources and minimization of the pollution.



*6<sup>th</sup> newsletter,  
May, 2020*

Newsletter of the MARLENA project

**Common borders. Common solutions.**



**Municipality Malko  
Tarnovo  
3, Malkotarnovska  
komuna Str.  
8162 Malko Tarnovo,  
Bulgaria**



**Joint Operational Programme Black Sea Basin 2014-2020**

**The editor of the material: Malko Tarnovo Municipality;  
May, 2020**

**Joint Operational Programme Black Sea Basin 2014-2020 is co-financed by the European Union through the European Neighborhood Instrument and by the participating countries: Armenia, Bulgaria, Georgia, Greece, Republic of Moldova, Romania, Turkey and Ukraine.**

This publication has been produced with the financial assistance of the European Union. The contents of this publication are the sole responsibility of Malko Tarnovo municipality and can in no way be taken to reflect the views of the European Union.

