Technology is revolutionising how waste is collected and treated. But the degree of adoption of innovative equipment and practices varies significantly from one territory to another.

The Interreg Europe WINPOL project offers to bridge the technology and information gap and to mainstream associated best practices and policies related to waste management, thus contributing to waste minimisation in European cities and regions.

Since June 2018, nine partners are cooperating to foster the use of intelligent equipment and policies in municipal waste management: eight public authorities represented by the municipalities of Antwerp (BE), Drobeta Turnu Severin (RO), Heraklion (GR), the county of Mehedinti (RO), the region of Crete (GR), EMULSA (ES), Snaga (SI), ERA (MT) and ACR+ (BE) as advisory partner.











www.interregeurope.eu/winpol



info@winpol.eu



@winpol_EU





WINPOL

Interreg Europe

Waste Management Intelligent Systems and Policies



This publication reflects the author's views only and the Interreg Europe programme authorities are not liable for any use that may be made of the information contained therein.

Four years and a half of knowledge exchanges towards concrete improvements at local level

From Good Practices...

- Of Civic Amenity site access control (ES)
- Connecting online with users: Citizen app, Sustainable businesses map and Reusapp (ES)
- Container sensors for optimized waste collection (GR)
- Customer portal for collected bulky waste at civic amenity sites (BE)
- Electronic closure on waste containers and use of information (ES)
- Information-based waste collection (NL)
- Mobile app on bulky waste for reuse and recycling (BE)
- Operating aid system and waste collection weighing (ES)
- Route optimization for waste collection (SI)
- Sharing data on waste and resources with the public (NL)
- 3 Smart bins to recycle anytime, anywhere (MT)
- Solar compact waste bins (MT)
- Waste management datacenter (PT)
- Waste management data warehouse (BE)
- COOMIDA Reducing surplus food waste and food needs (ES)
- From door-to-door collection to pay-as-you-throw (ES)
- G'scheit feiern Reducing waste of events and festivals (AT)
- Pay-as-you-throw to reach 80% recycling (IT)
- Pop-up civic amenity sites (BE)
- Raising awareness on plastic waste with the CAPS Contest (RO)
- Recycleservice 2025 A reversed waste collection system for residual waste (NL)
- Reuse Box New collection scheme for reusable items (AT)
- Second Chance Reuse on marketplaces (SI)
- Smart collection system to optimise used cooking oil to the biodiesel value chain (GR)
- The Collection Improving textile waste collection (BE)
- 26 Treatment of biodegradable waste (RO)

Antwerp

- Action 1: Development of an app based on image-recognition for citizens to report on waste littering
- Action 2: Development of an app providing information on the underground waste containers' availability and users' accounts
- **Action 3:** Favouring the reuse of bulky waste items that would otherwise be burnt



... to changes at local level

Maribor

- Action 1: Development of an underground waste collection system
- Action 2: Installation of small mobile civic amenity sites in the pedestrian zone







- Action 1: Development of a network of 67 waste collection points
- Action 2: Creation of 5 collection platforms for construction and demolition waste
- Action 3: Actions to prevent and minimize household waste generation through trainings targeting school students





you-throw scheme Action 2: Implementation of a new system of mowing and pruning waste collection in the peripheral and rural areas

Action 1: Implementation of a pilot pay-as-

Action 3: Use of a waste compactor roller to improve the service provided in the civic amenity site

Inspired by 16 18 25 G D E









Gijón

Malta

Action 1: Floating debris interception devices at sea (sea bins) and related waste monitoring activities

Inspired by 10







STUDY VISITS AND **EXCHANGES WITH PROJECTS**

A – Gijón (ES)

Antwerp (BE)

- C LIFE-REthinkWASTE
- PAYT for hotels in Hersonissos (GR)



- **Action 1:** Set-up of a data collection equipment for the bio-waste collected in Heraklion
- **Action 2:** Development of a platform to monitor waste flows and optimise the supply chain at municipal level
- Action 3: Development of a platform to monitor the waste of the Green Points at regional level and share data with users
- **Action 4:** Introduction of PAYT systems funding opportunities for municipalities

Inspired by 03 08 10 13 14 [] G []



Discover these Good Practices in detail in the WINPOL Good Practices Guide



ΔΗΜΟΣ ΤΡΑΚΛΕΙΟ

