

COLLECTORS

WASTE COLLECTION SYSTEMS ASSESSED AND GOOD PRACTICES IDENTIFIED

Final conference (online)
17/11/2020

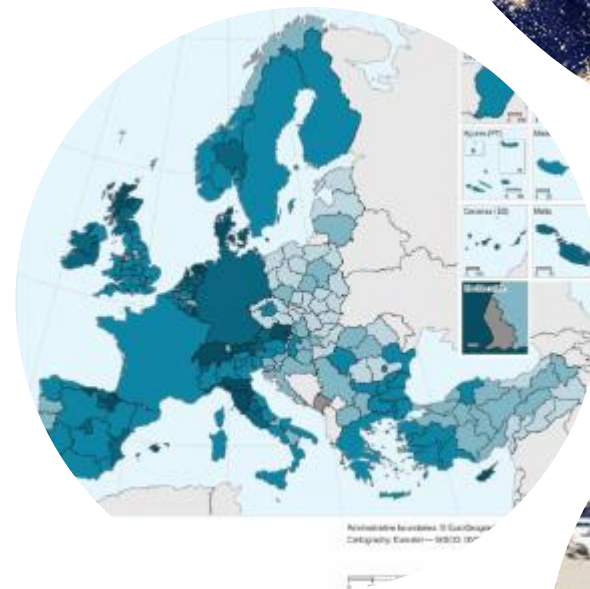
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COLLECTORS main objective

The main objective of the COLLECTORS project is to harmonize and disclose available information on different waste collection systems; to gain insight into the overall performance of systems; and to support decision-makers in shifting to better-performing systems via capacity-building and establishment of implementation guidelines.



Identify

- Mapping of waste collection systems
- Analysis of selection parameters and criteria
- Selection of 12 case studies for further analysis
- Development of webportal

Assess

- Environmental analysis of 12 case studies
- Economic analysis of 12 case studies
- Value chain & societal analysis of 12 case studies

Inform

- Publication of guidelines for succesful implementation of waste collection systems
- Policy recommendations to EC

CHARACTERISTIC OF THE REGION

Population

Density

GDP

Area characteristics
Please make a selection

Waste fraction

PPW | WEEE | CDW

Plastic packaging waste | Waste electrical and electronic equipment | Construction and demolition waste

AVAILABLE INFORMATION

only display waste collection systems with available data on

Waste fee | Information on the costs | Quality of sorted material

SEARCH > 71 waste collection systems found



LA RIOJA (ES)

Population: 215,381 inh.
Density: 62.5 inh./km²
GDP: 26,044 Ghn
Collected quantity of WEEE: 4.2 t/ghn
WEEE national generated quantity: 27.6 t/ghn

DESCRIPTION OF THE WASTE COLLECTION SYSTEM

SCOPE OF WEEE COLLECTED:

WEEE from household waste	Similar waste	Unclear	Other
0	0	0	0

COLLECTION MODE:

	Non-retail (bring points)	Local bring points	Civic amenity sites	Pick-up on request	Other
Large appliances			11.0		
Small appliances			5.5		
Computer equipment, equipment telecommunications			3.8		
Consumer electronics					
Lighting devices			0.3		
Electric and electronic tools					
Toys and sports or free-time equipment					
Medical devices					
Navigation or control instruments					
Vending machines					

WASTE PREVENTION AND RE-USE:

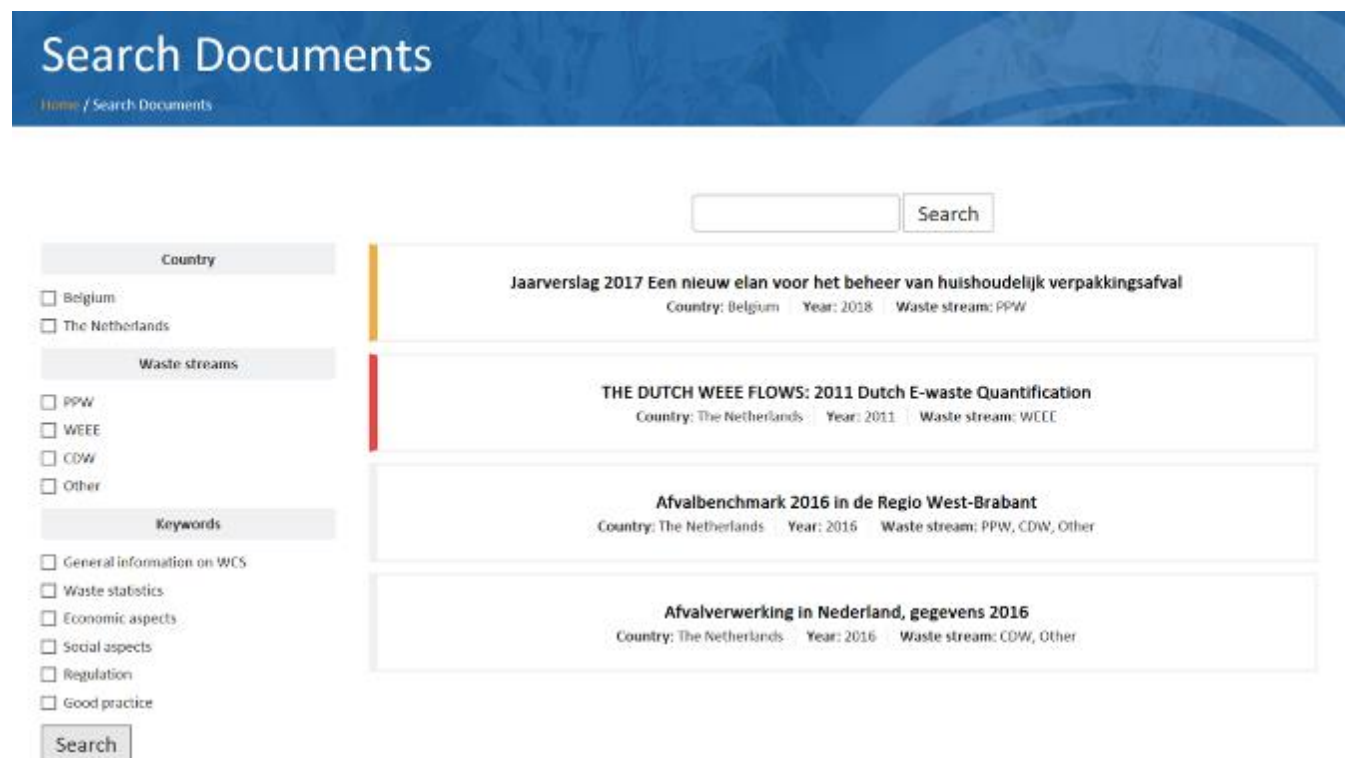
There is a social economy company that has an authorized facility in the Basque Country, very close to Logroño, for the preparation for the reuse of WEEE, during 2017, it was collected 400 tons of WEEE, of which the quantity destined for reuse is unknown. <https://www.chelcar.es/wp-content/uploads/2018/04/Memento-Chelcar-2017.pdf>

250+ information sources on waste collection, including reports on:

- *Waste statistics.*
- *Economic aspects of waste collection.*
- *Social aspects of waste collection.*
- *Regulation.*
- *Good practice.*

Reports covering:

- *24 Member States.*
- *3 waste streams*



The screenshot shows the 'Search Documents' page of the Waste Library. It features a search bar at the top right with a 'Search' button. On the left side, there are three filter sections: 'Country' with checkboxes for Belgium and The Netherlands; 'Waste streams' with checkboxes for PPW, WEEE, CDW, and Other; and 'Keywords' with checkboxes for General information on WCS, Waste statistics, Economic aspects, Social aspects, Regulation, and Good practice. A 'Search' button is located at the bottom of the filter section. The main content area displays four search results, each with a title, country, year, and waste stream information:

- Jaarverslag 2017 Een nieuw elan voor het beheer van huishoudelijk verpakkingsafval**
Country: Belgium | Year: 2018 | Waste stream: PPW
- THE DUTCH WEEE FLOWS: 2011 Dutch E-waste Quantification**
Country: The Netherlands | Year: 2011 | Waste stream: WEEE
- Afvalbenchmark 2016 in de Regio West-Brabant**
Country: The Netherlands | Year: 2016 | Waste stream: PPW, CDW, Other
- Afvalverwerking in Nederland, gegevens 2016**
Country: The Netherlands | Year: 2016 | Waste stream: CDW, Other

Good waste collection in Europe:

- ✓ Many good performing frontrunners and a lot of local support for better collection.
- ! Always remember the waste hierarchy – prevent first!
- ! A waste collection system is a socio-technical system -> align your decision-making process to this.
- ! Good waste collection in isolation doesn't provide actual benefits.
- ! Proper framework conditions are essential to compel and support local decision makers to improve waste collection.

Improve knowledge of local waste management and traceability of sorted waste:

- ✓ CEAP 2.0: Harmonise separate waste collection systems.
- ? Selection of indicators and measurement points: how can we accurately and justly measure collection for CE?
- ! Make data usable for secondary raw material companies and innovators.

How to make higher collection & recycling performance financially viable?

- ! Improving waste collection/recycling performance usually leads to increasing costs that are not automatically balanced with higher revenues.
- ? How can we effectively create a stable market demand for secondary raw materials (requirement for recycled content; adjust landfill/incineration taxes; subsidize recycling capacity)?
- ! Stimulate the waste hierarchy: PAYT (prevention), reduced taxation (re-use), eco-modulation (rethink)



OUR CONSORTIUM



Thank you!

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