

COLLECTORS

WASTE COLLECTION SYSTEMS ASSESSED AND GOOD PRACTICES IDENTIFIED

THESSALONIKI (11-12-2019)

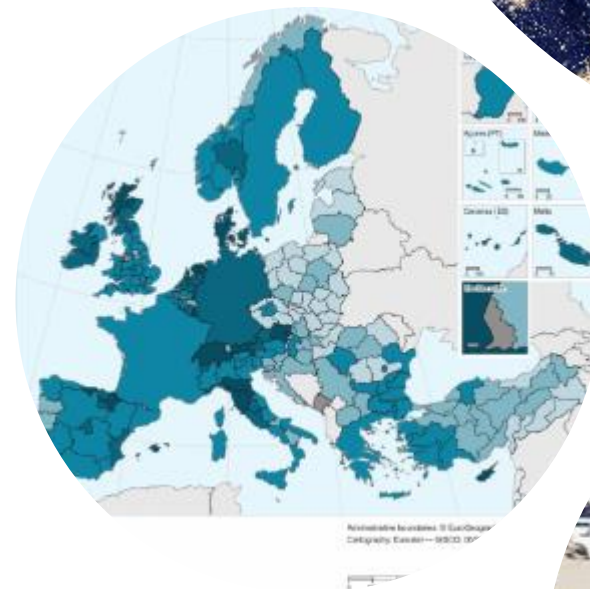
Tjerk Wardenaar
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COLLECTORS objective

Identify good practices in waste collection and increase knowledge sharing; to ensure that good performing regions and cities can serve as examples for regions with similar local contexts



Identify

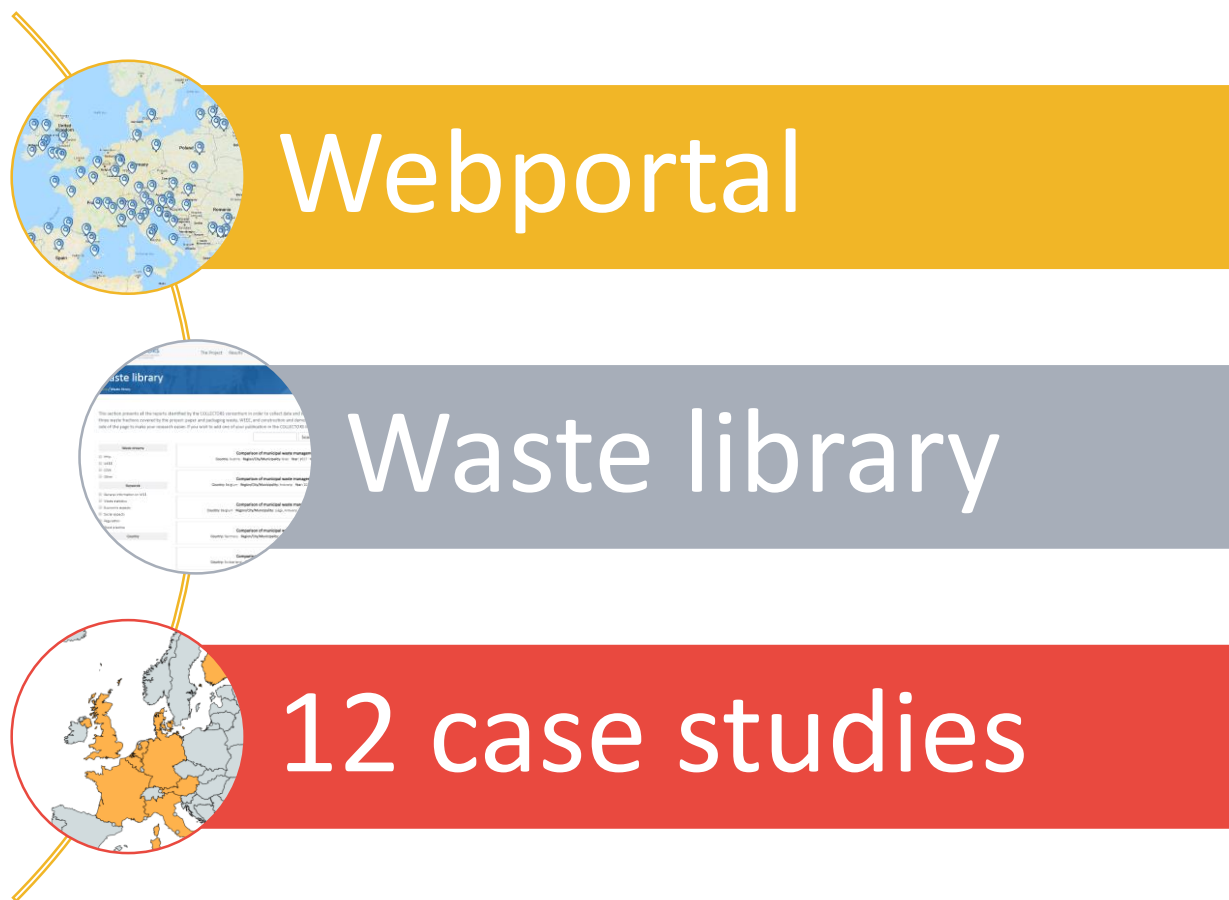
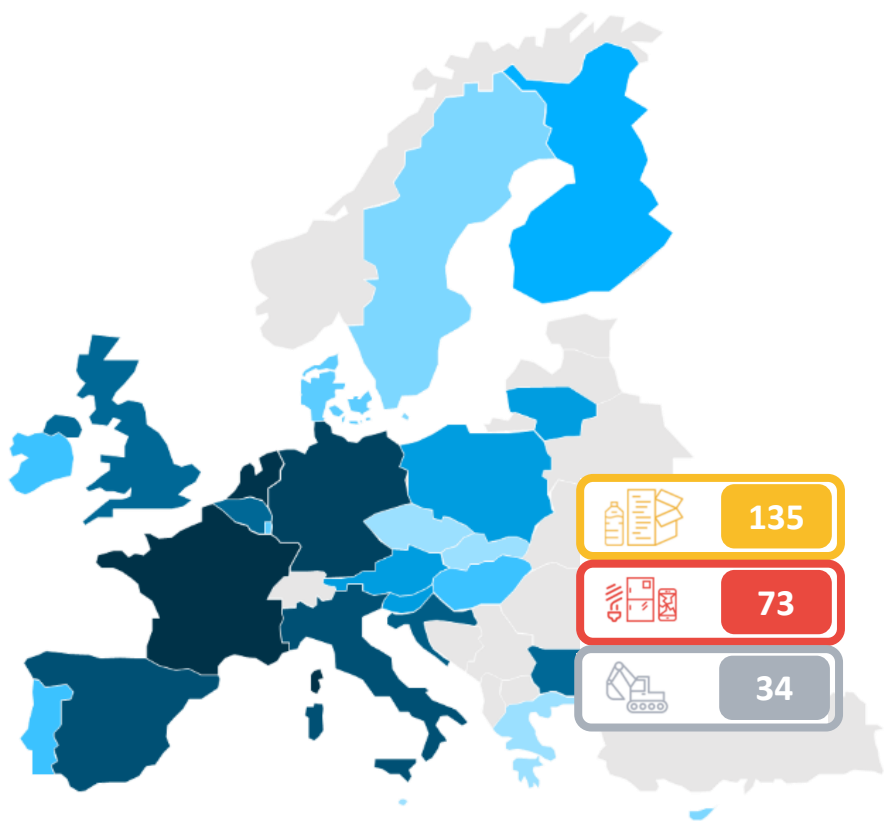
- Mapping of waste collection systems
- Analysis of selection parameters and criteria
- Selection of 12 case studies for further analysis
- Development of webportal

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



COLLECTORS

LA RIOJA (ES)

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

DESCRIPTION OF THE WASTE COLLECTION SYSTEM

SCOPE OF WEEE COLLECTED

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

COLLECTION MODES

	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					
Surveillance or control instruments					
Washing 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.cheriker.es/wp-content/uploads/2018/04/Memento-Cheriker-2017.pdf>

COLLECTION SCHEMES

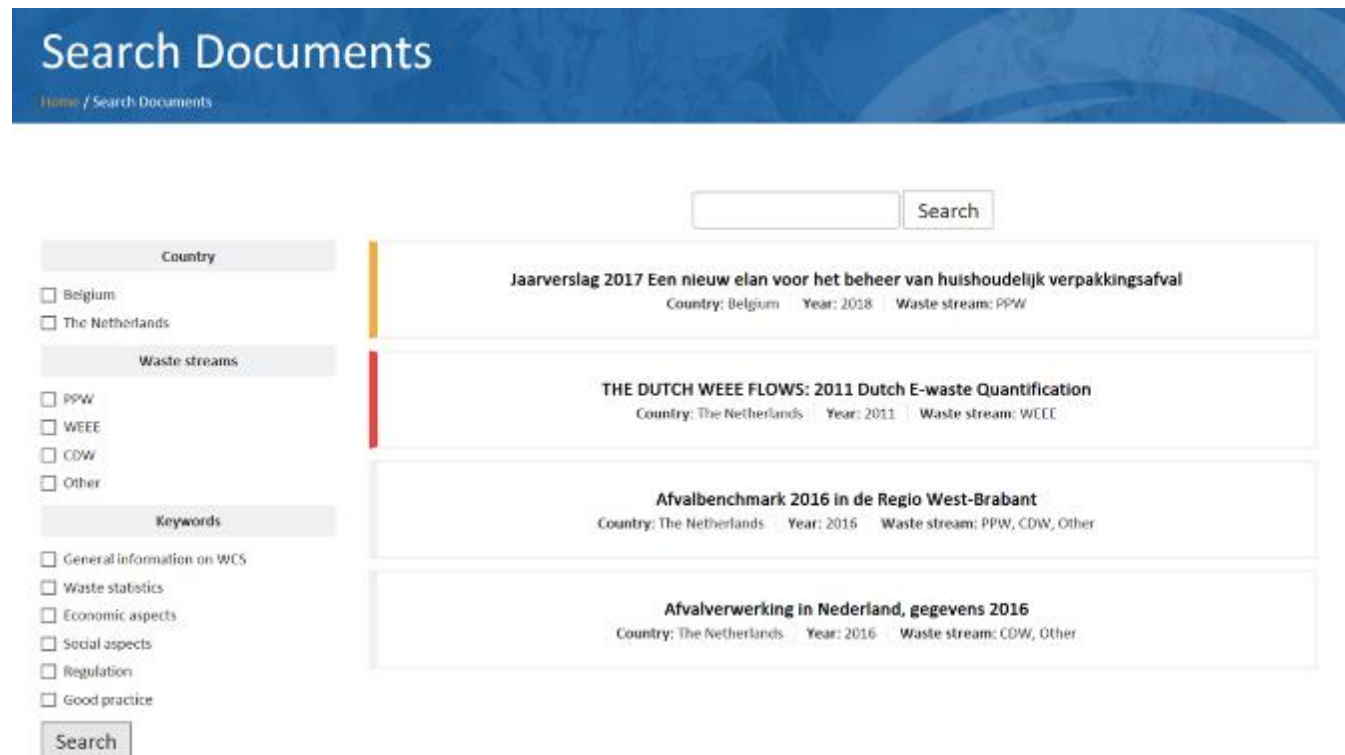
Collection

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 a search interface with a blue header 'Search Documents' and a breadcrumb 'Home / Search Documents'. On the left, 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 at the bottom of the filters. On the right, a search bar with a 'Search' button is at the top. Below it, four document results are listed, each with a title, country, year, and waste stream:

- 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

Different types of assessment:

- Environmental assessment (LCA).
- Value chain assessment (stakeholder analysis & citizen focus groups).
- Economic assessment (financial CBA).



PPW case studies:

Parma (Italy), Tubbergen (The Netherlands), Gent (Belgium), Berlin (Germany) and Rennes (France)



WEEE case studies:

Pembrokeshire (UK), Genova (Italy), Cyclad (France), Vienna (Austria), and Helsinki (Finland)



WEEE case studies:

Odense (Denmark) and Reimerswaal (The Netherlands)

Municipal waste management in the circular economy: how to reach high quality recycling ?





OUR CONSORTIUM



Thank you!

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