

Separate collection challenges in Catalonia (Spain)

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The Waste Agency of Catalonia



A public waste management agency with more than 200 people, mostly technicians

- Legislation
- General Plan
- Economical support
- Technical support

Catalonia



Population: 7,500,000 inhabitants
947 municipalities in 42 counties

Municipalities are responsible for collection and treatment of waste



Legal frame



Initial legislation



Current legislation



Circular Economy Package



New Catalan law are going on

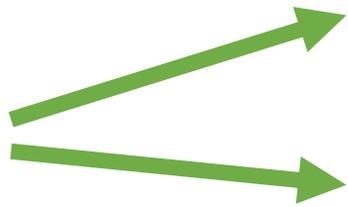


Needs and effects of the legislation



1993

Law 6/93, on waste



- Separate **collection** of municipal waste, particularly biowaste
- Technical and Biological **treatments**



Need of:

- Construction of several composting and anaerobic digestion facilities
- Implementation of the separate collection system at source and in the street
- Awareness campaigns

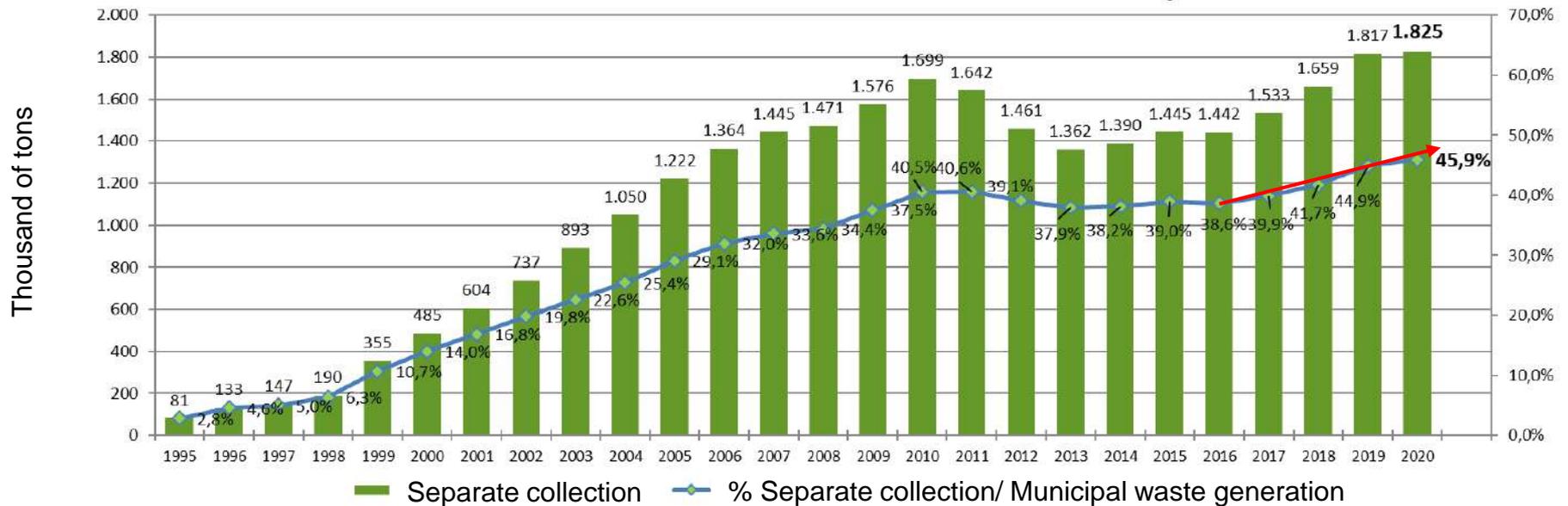
Effects on:

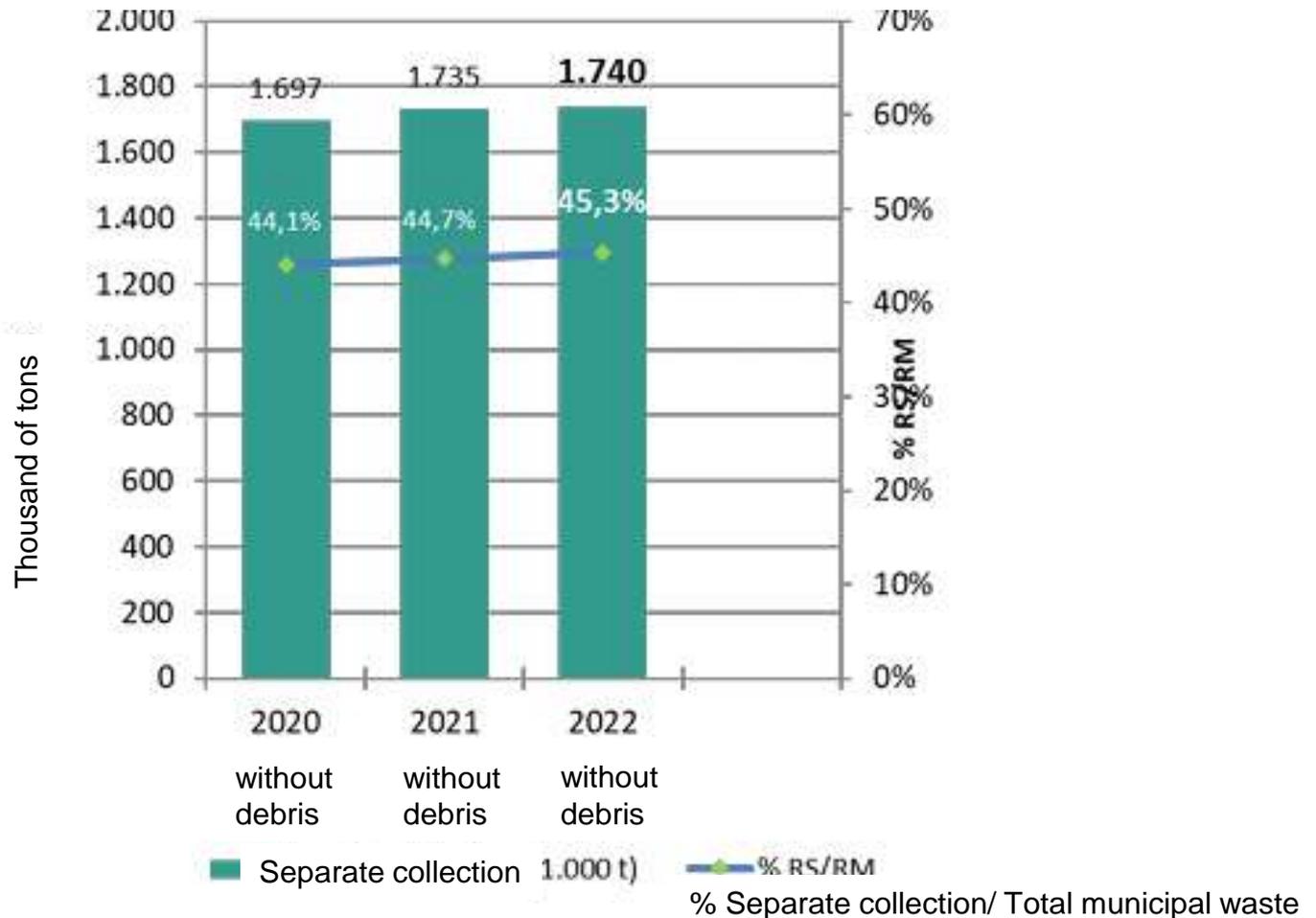
- Increase and improvement of collection systems
- More biowaste collected
- More compost and biogas produced
- **Less mixed waste**

25 years after →



Evolution in separate collection in Catalonia





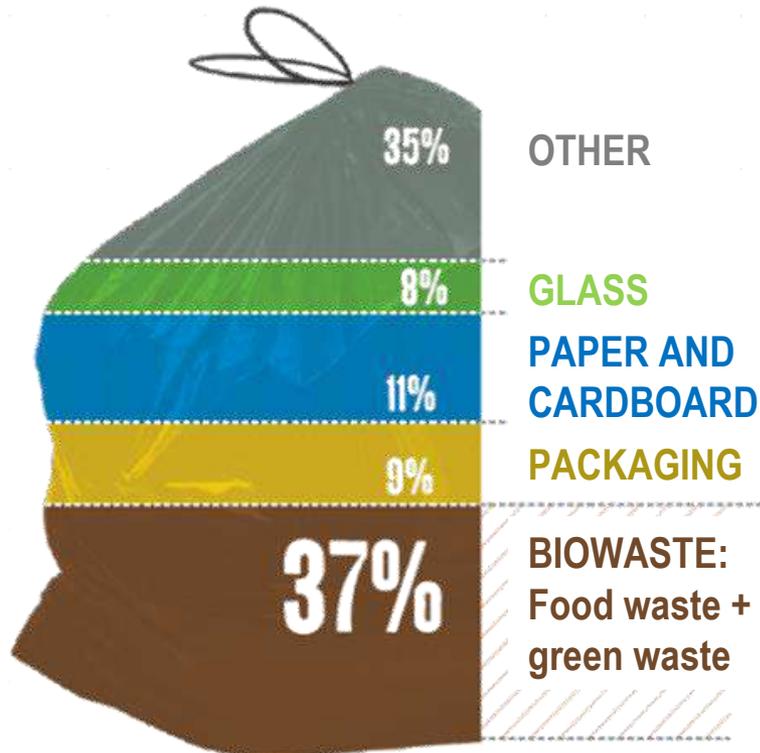
In 2022 the selective collection rate (without construction waste) was more than **45%**

>300 municipalities with a **Door to Door** system, 65% SC

4 municipalities with **Door to Door** & **PAYT** system, 85% SC



Quantity and composition of municipal waste in Catalonia



Biowaste collection is crucial to achieve the objectives

29,6%

Food waste

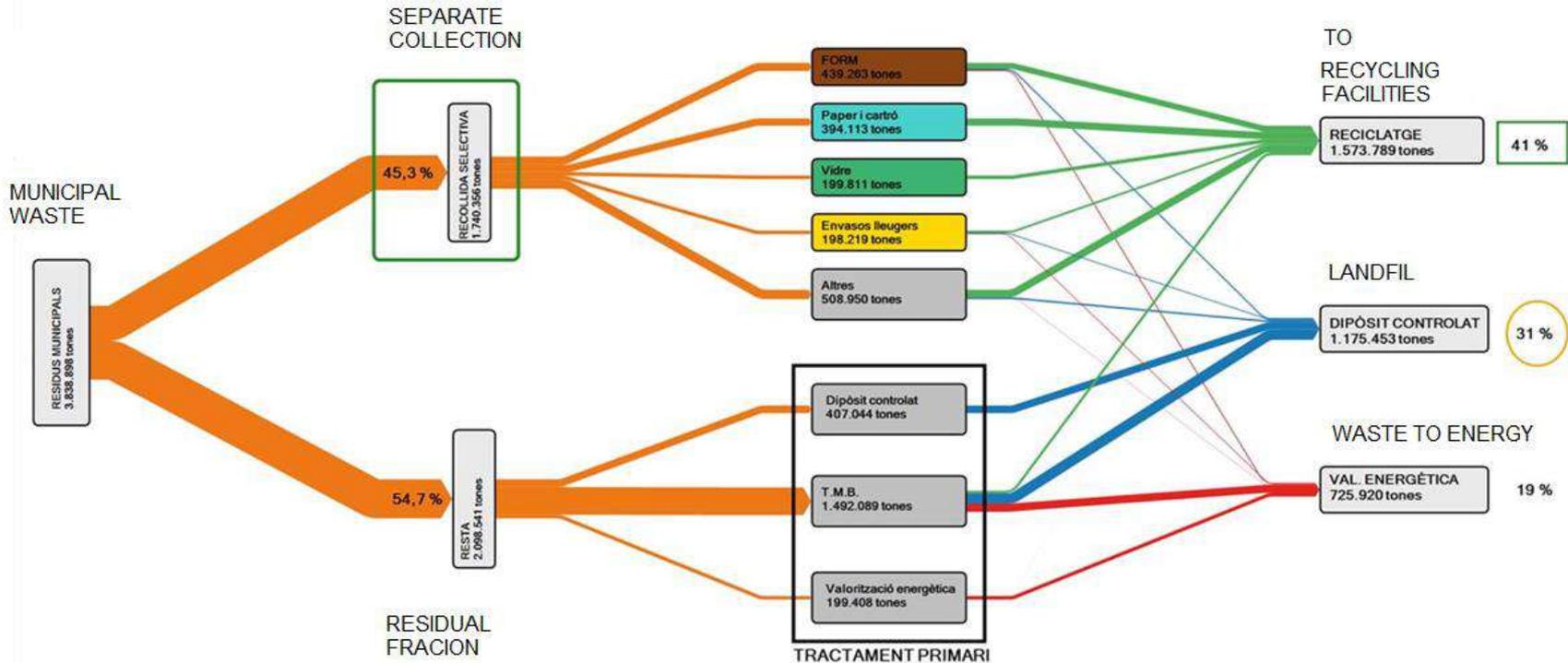
7,7%

Green waste



COMPOSITION OF MUNICIPAL WASTE
(PRECAT 2013-2020)
% IN WEIGHT

Recycling is not selective collection



45,3% Separate Collection rate → 41% Recycling rate

22 /05/ 2018
Approval



Circular Economy Package

Objectives

- Recycling objectives

Objective	Year
55 %	2025
60%	2030
65 %	2035



Agència de
Residus de
Catalunya

Strategies for improving separate collection

1.- Communication & awareness campaigns

- Bidirectional communication channel





2.- Commercial and industrial biowaste assimilated to municipal waste

It is a great contribution in terms of quantity, quality and impact on the public



Hotels & restaurants



Hospitals,
educational centres



Including industrial
canteens and restaurants
in industrial parks



Food distribution

- Separate collection of biowaste is mandatory for commercial & industrial activities and must be transparent and traceable.

3. User identification models

Door to door collection



Collection in locked containers



4.- Residual waste restrictions



Residual waste identification,
control and limitation



DILLUNS

DIMARTS
RESTA



DIMECRES
ORGÀNICA
ENVASOS



DIJOUS

DIVENDRES
ORGÀNICA
PAPER/CARTRÓ



DISSABTE

DIUMENGE
ORGÀNICA
ENVASOS



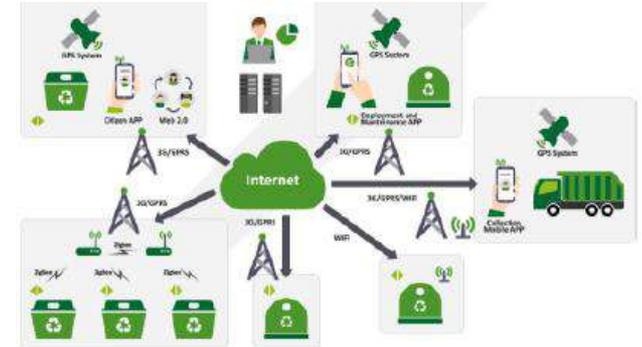
Low frequency
collection

1 / week or
1/ 15 days

5.- Control and traceability



Technological and Organizational Innovation



6. Fair taxation

Fair taxation modalities and citizen involvement

Pay As You Throw (PAYT)
Pre-paid bags



Bonus for Participation BxP

Comercial PAYT



LIFE RethinkWaste, system for citizen involvement
with instant messaging applications
Know As You Throw (KAYT)

<https://rethinkwaste.eu/es/>

Fair Tax video

<https://www.youtube.com/watch?v=h5sh5s7yoCA&list=PLWQMeO43vsufNy7r5uPypF10LJJS3rWDw&index=3>



Bidirectional
communication
channel

Video of Fair Tax in Catalonia

FAIR TAX



 Generalitat de Catalunya
Departament de Territori
i Sostenibilitat

 Agència de
Residus de
Catalunya

 #RETHINK
WASTE



LIFE18-GEIT-00156 - LIFE - REUSEWASTE

With the contribution of the LIFE
Programme of the European Union

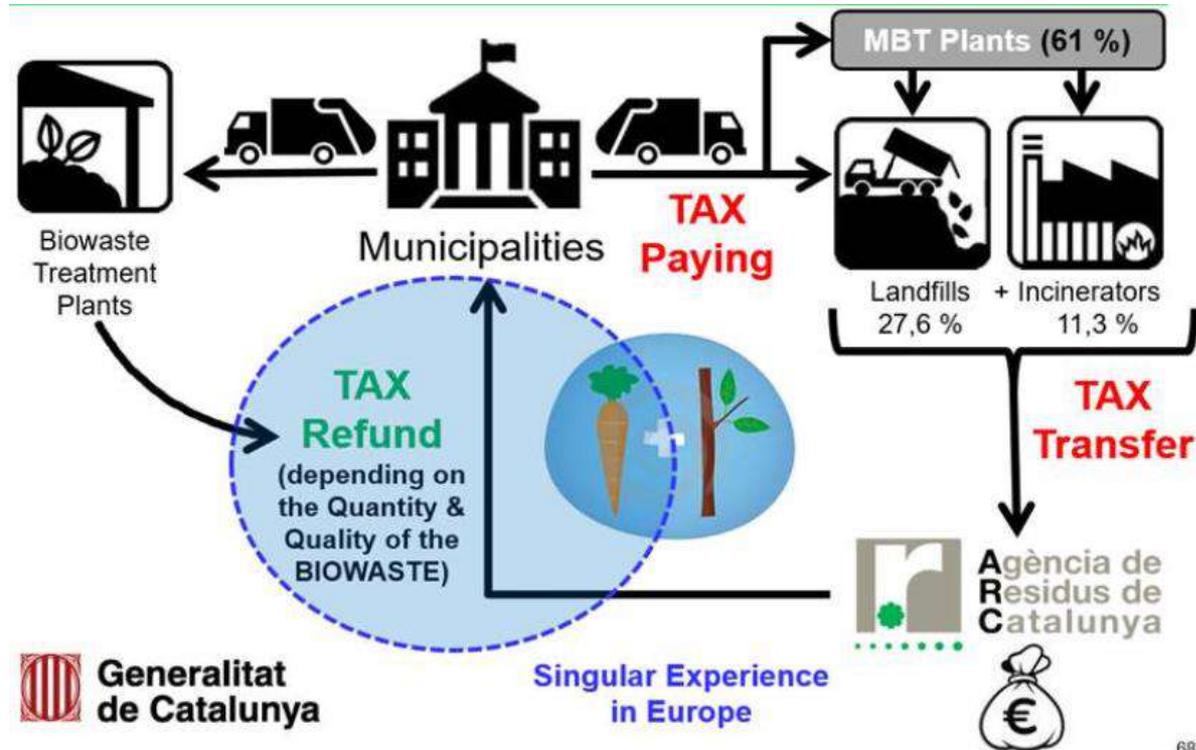


Ajuntament
d'Argentona



Ajuntament
de Vilobí del Penedès

Other complementary instruments in Catalonia:



- **LANDFILL TAX** increasing between 3 and 5€ / T per year until 2035, and review facilities fees and costs considering real ones. **2024=70€/t**
- **TAX REFUND system** returned DIRECTLY TO LOCAL ENTITIES and REVIEW/EXTEND SOME CONCEPTS of refund.

Thank you!

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Questions welcome