

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



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Catalunya

Legal frame



**Initial
legislation**

1975

*Directive 75/442/CEE, on
waste*



1993

Law 6/93, on waste



1998

*Law 10/1998, on
waste*

**Current
legislation**

2008

*Directive 2008/98/CEE, on
waste and repealing
certain Directives*

2009

*Legislative decree 1/2009,
on waste*

2022

*Ley 7/2022, on waste
and polluted soils for a
circular economy*

**Circular
Economy
Package**



New Catalan law are going on



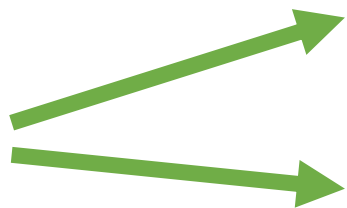
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Needs and effects of the legislation



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:

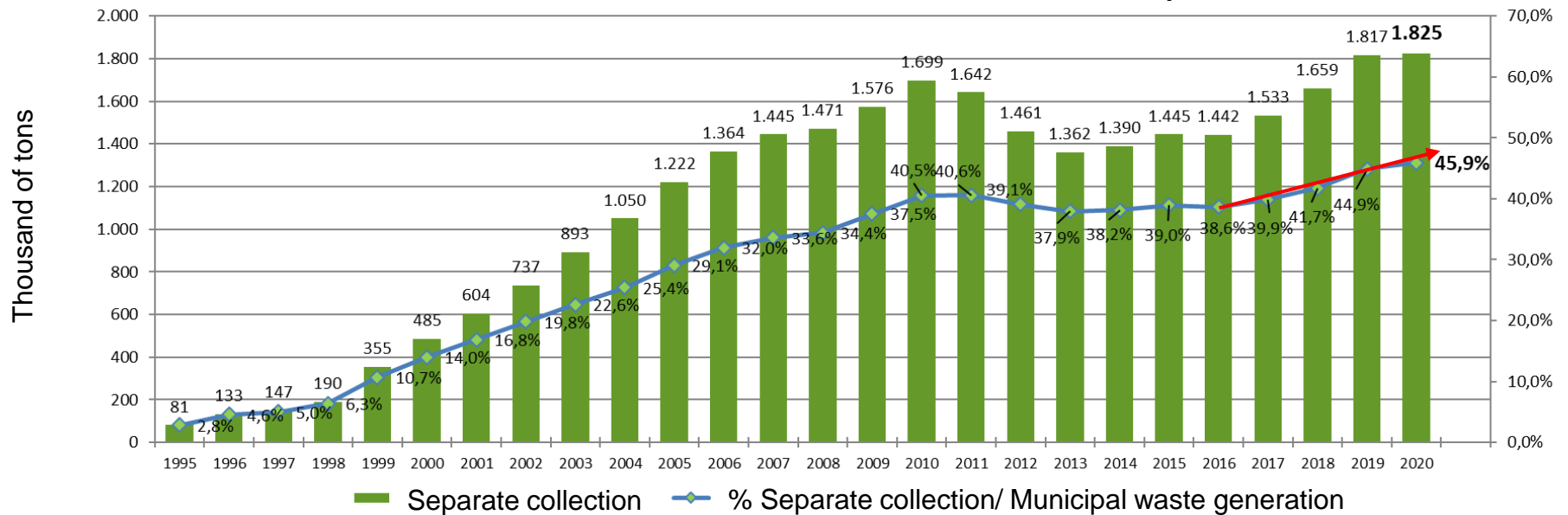
- Increase and improvement of collection systems
- More biowaste collected
- More compost and biogas produced
- **Less mixed waste**

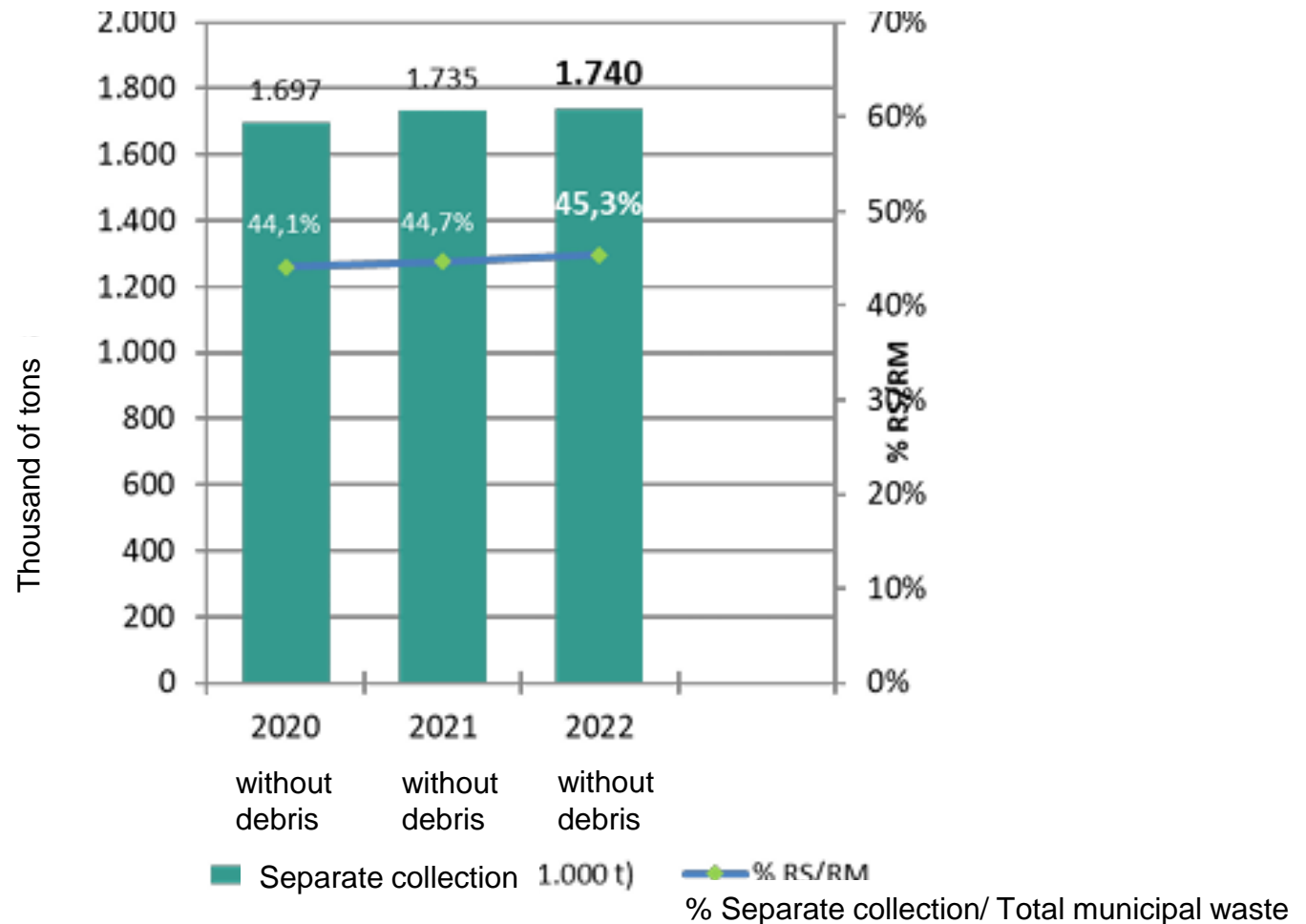
25 years after →



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Evolution in separate collection in Catalonia





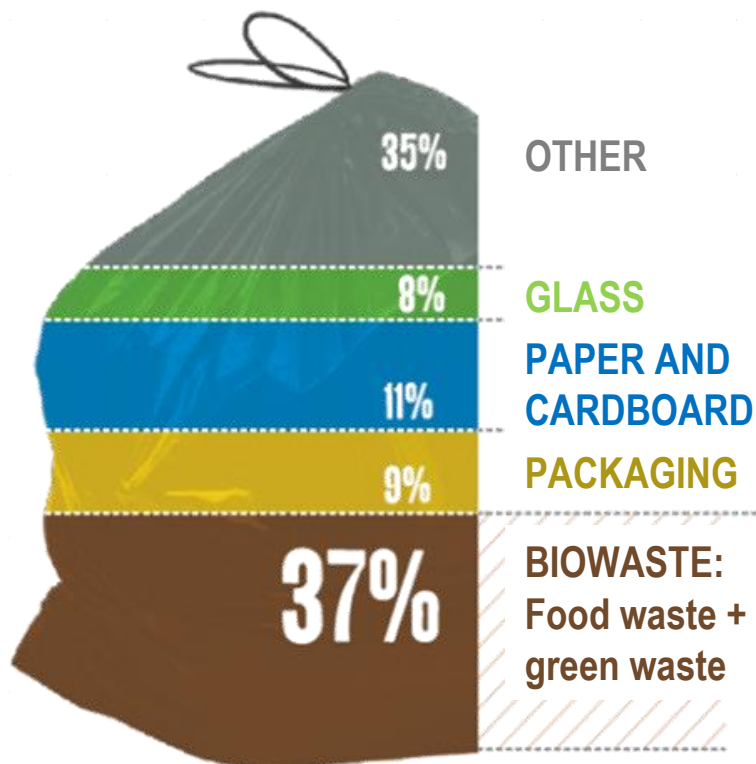
In 2022 the selective collection rate (without construction waste) was more than **45%**

>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

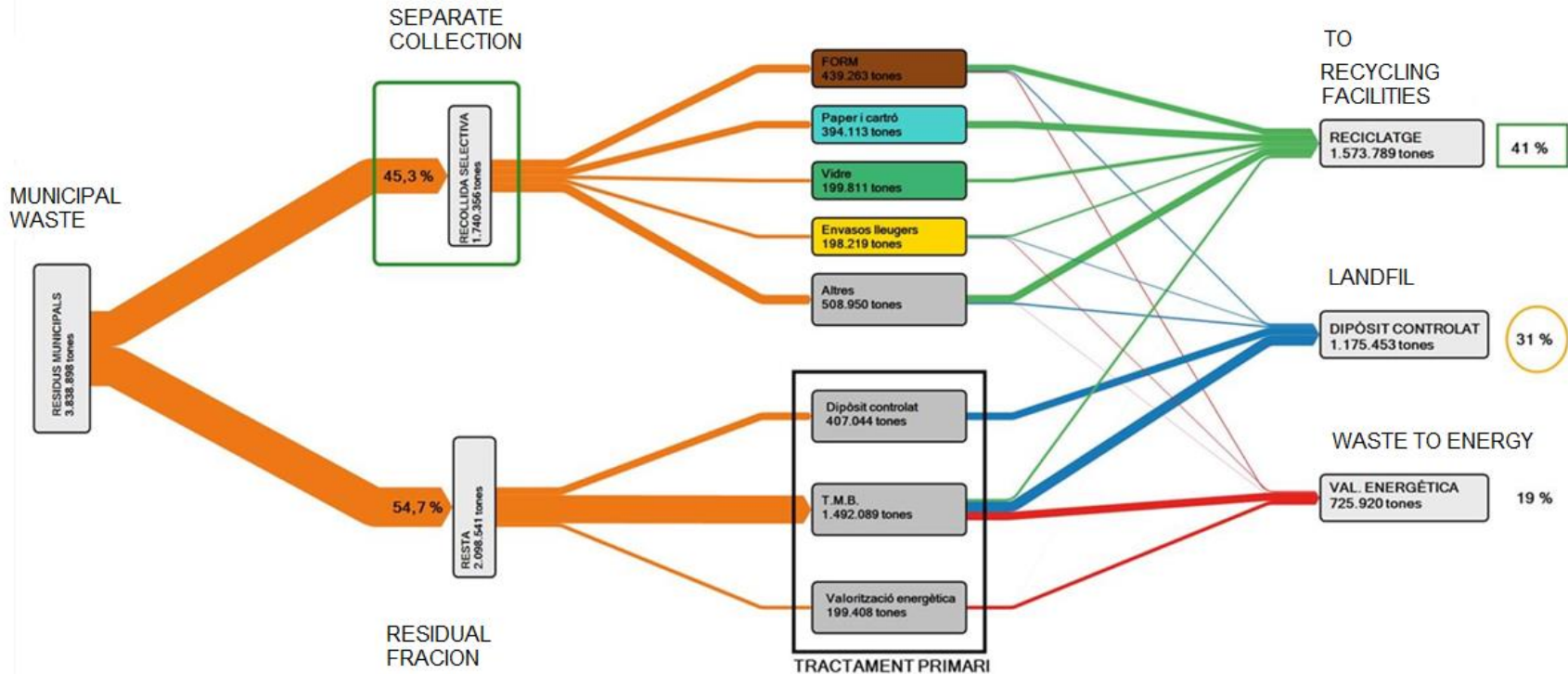
7,7%

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

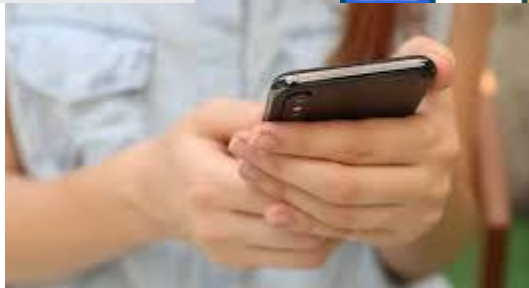
- Recycling objectives

Objective	Year
55 %	2025
60%	2030
65 %	2035

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

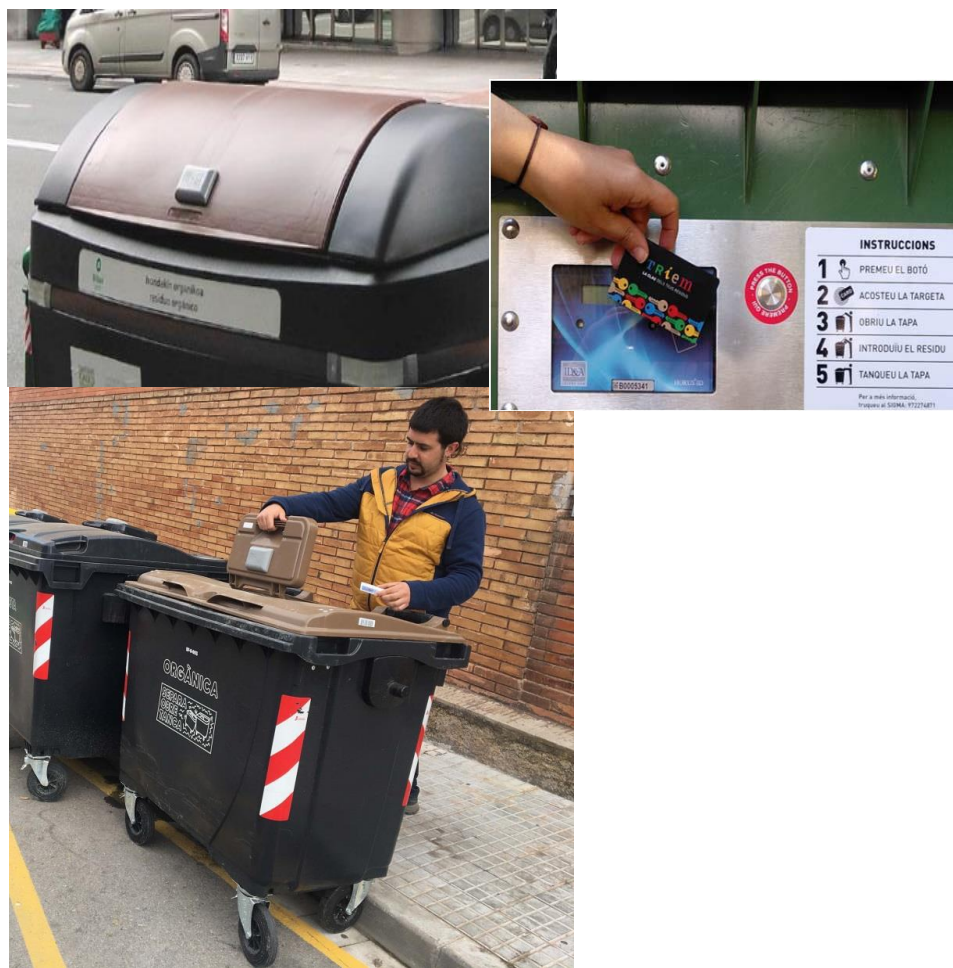
- Separate collection of biowaste is mandatory for commercial & industrial activities and must be transparent and traceable.

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



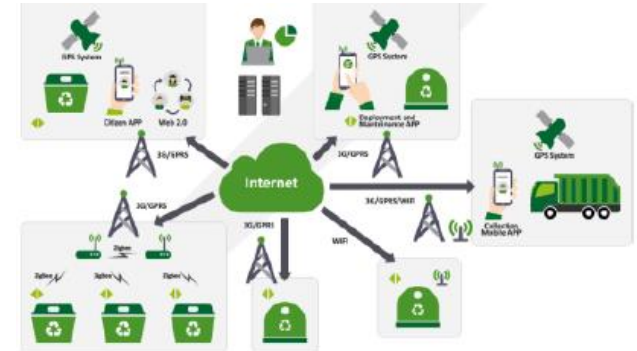
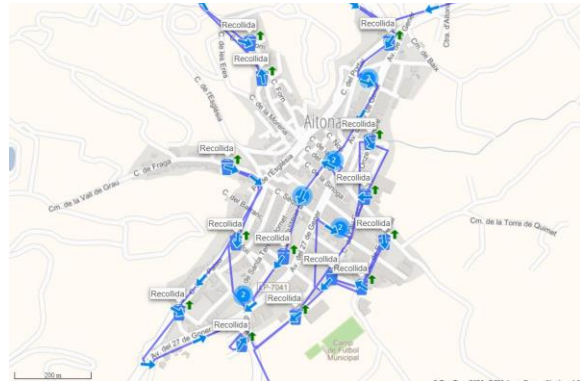
Low frequency
collection

1 / week or
1/ 15 days

5.- Control and traceability



Technological and Organizational Innovation





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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/>



Bidirectional
communication
channel

Fair Tax video

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

Video of Fair Tax in Catalonia

FAIR TAX



Generalitat de Catalunya
Departament de Territori
i Sostenibilitat



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LIFE18 GIE/T/00156 - LIFE - RETHINKWASTE

With the contribution of the LIFE
Programme of the European Union



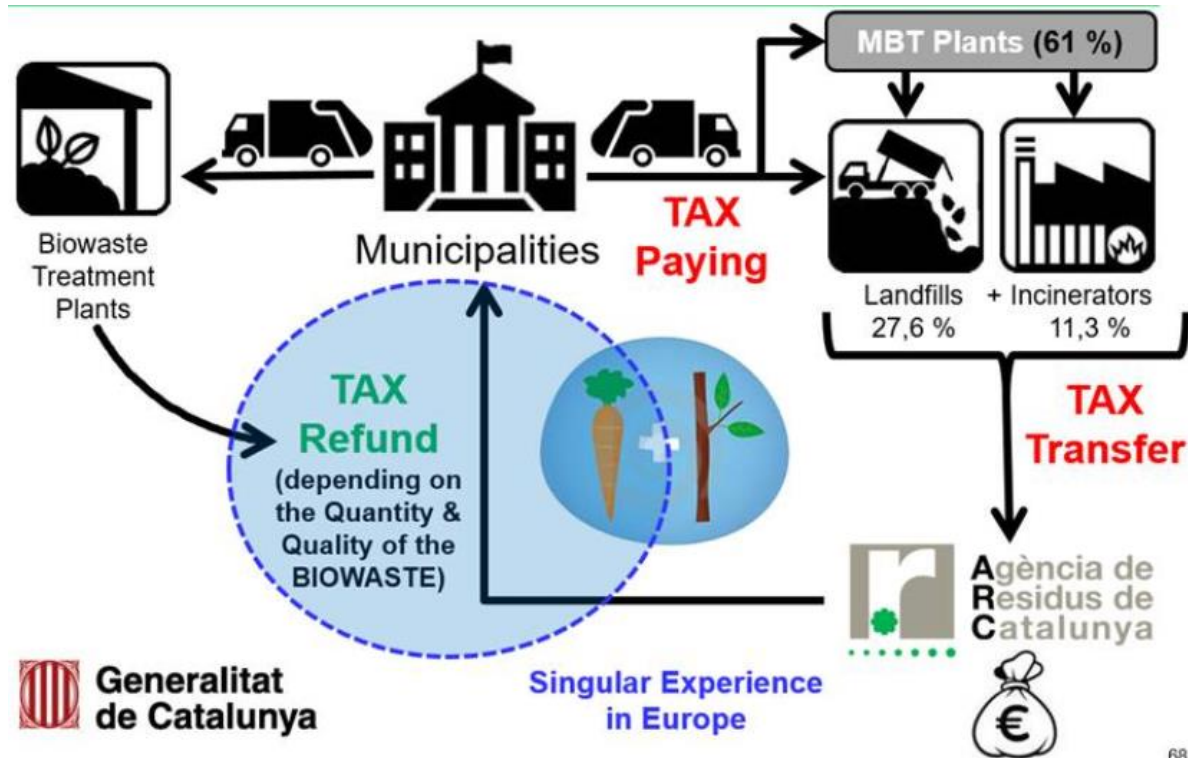
Ajuntament
d'Argentona



Ajuntament
de Vilobí del Penedès

Landfill tax and return system

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