


# **CONTARINA SPA**

## **Integrated waste management**

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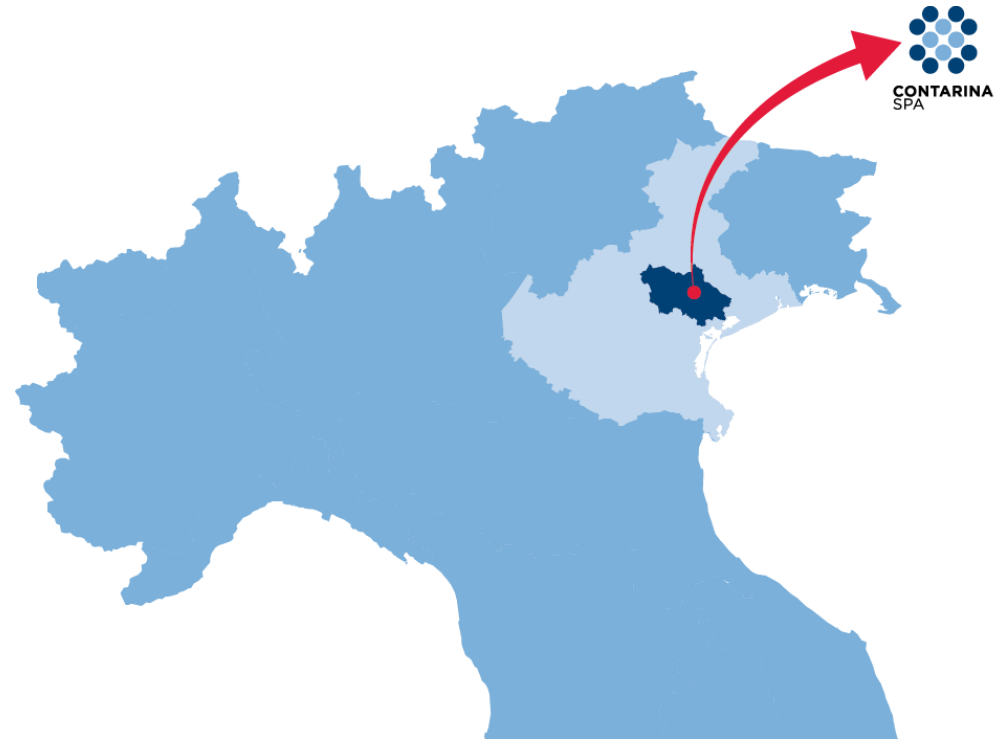
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# Our location

## CONTARINA 100% Public Company

<b>Square Kms</b>	1.300
<b>Municipalities</b>	50
<b>Inhabitants</b>	~554.000
<b>Users</b>	~260.000
<b>Employees</b>	701
<b>Annual turnover</b> 2017	83,6 M. €



Historical centers



Urban and  
suburban areas



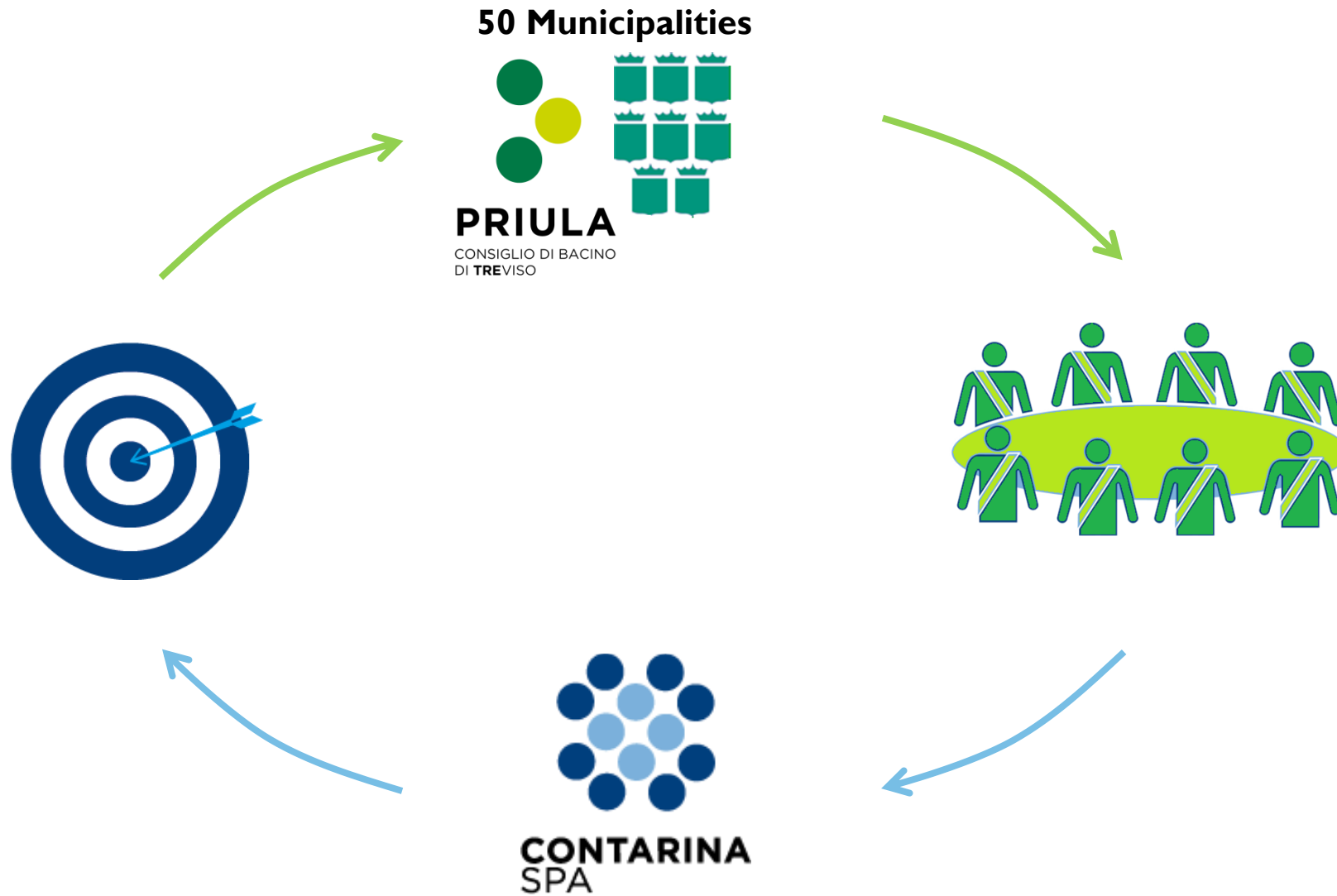
Rural areas



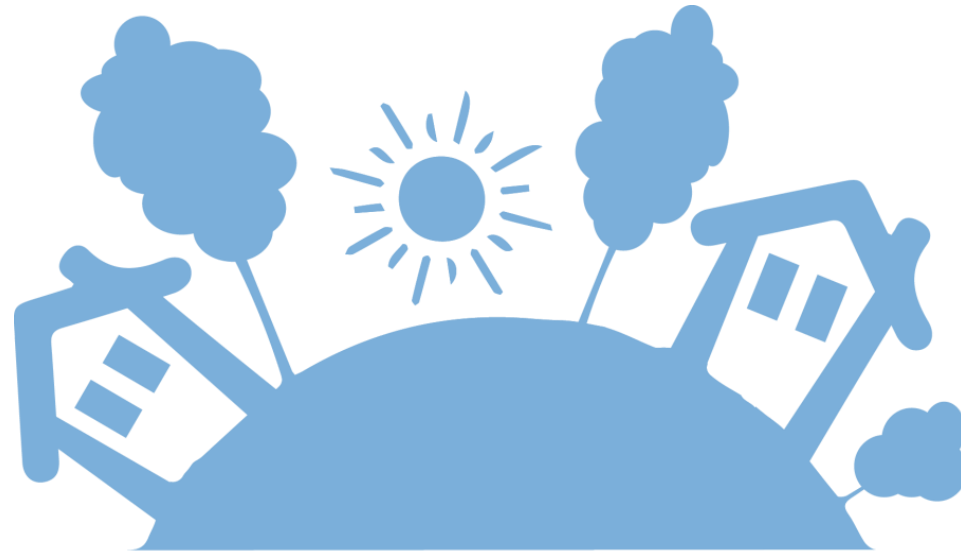
Remote areas



# Shared objectives



# Contarina's territory



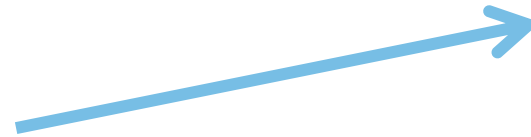
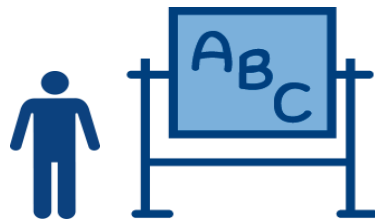
→ **No incinerators**

→ **No landfills**

# We invest in the future



**Lorries and plants**



**Citizens**

# Individual Awareness



**EcoGiornale**



**EcoSportelli**



**EcoCalendario**



**Open Days**



**School Education**



**Web site**



**Social media**



# Our philosophy

There is no more

~~**B 2 B**~~

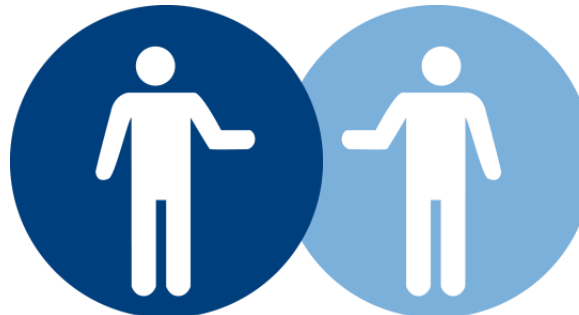


~~**B 2 C**~~



It's

**H 2 H**



# Waste management system

## Conceptual model

### KNOWLEDGE



Information;  
Education;  
Communication

### RESPONSIBILITY



### ACTION



#### Single

Waste separation at  
home;  
Curbside collection.

#### Collective

Waste transport;  
Waste treatment.

### OUTCOMES



Fee, Quantity,  
Outcomes, Evaluation



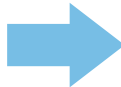
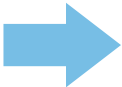
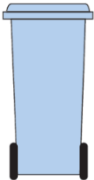


# Curbside collection

A flexible system



# PAYT Fee



Residual waste

Measurement and transmission of data

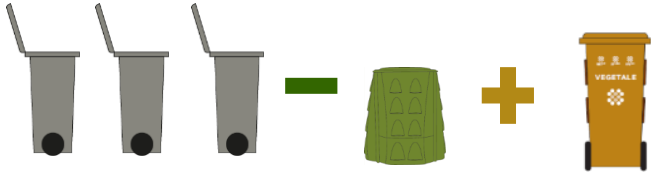
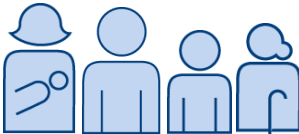
Fee

60%

40%

**Fixed Fee**

**Variable Fee**



Based on the number of household members

Based on the number of residual waste bin removals  
– 30% for home composting  
Based on the number of yard waste bin removals

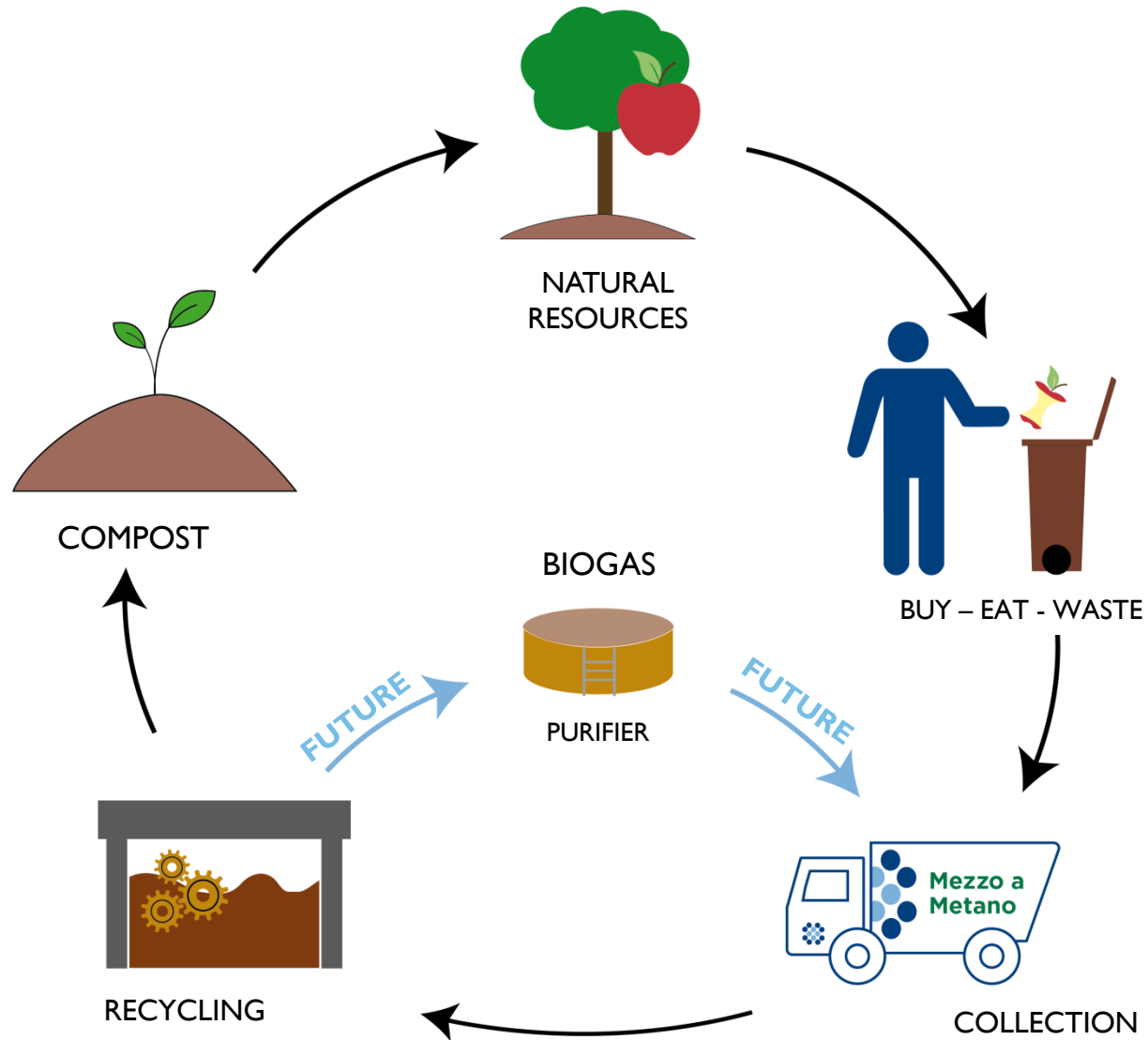
**DOMESTIC  
USERS**

# Recycling and Treatment



**SOURCE**  
Contarina 2017

# Organic and yard waste



# Main features of the new composting plant

- Complete autonomous treatment of organic waste;
- Higher enhancement of waste collected;
- Total investment: 21.400.000 Euros.

**Organic and yard waste treated: 73.000 ton/year** (45.000 ton of organic waste and 28.000 ton of yard waste).

**Compost production: 26.800 ton/year.**



# Main features of the new composting plant

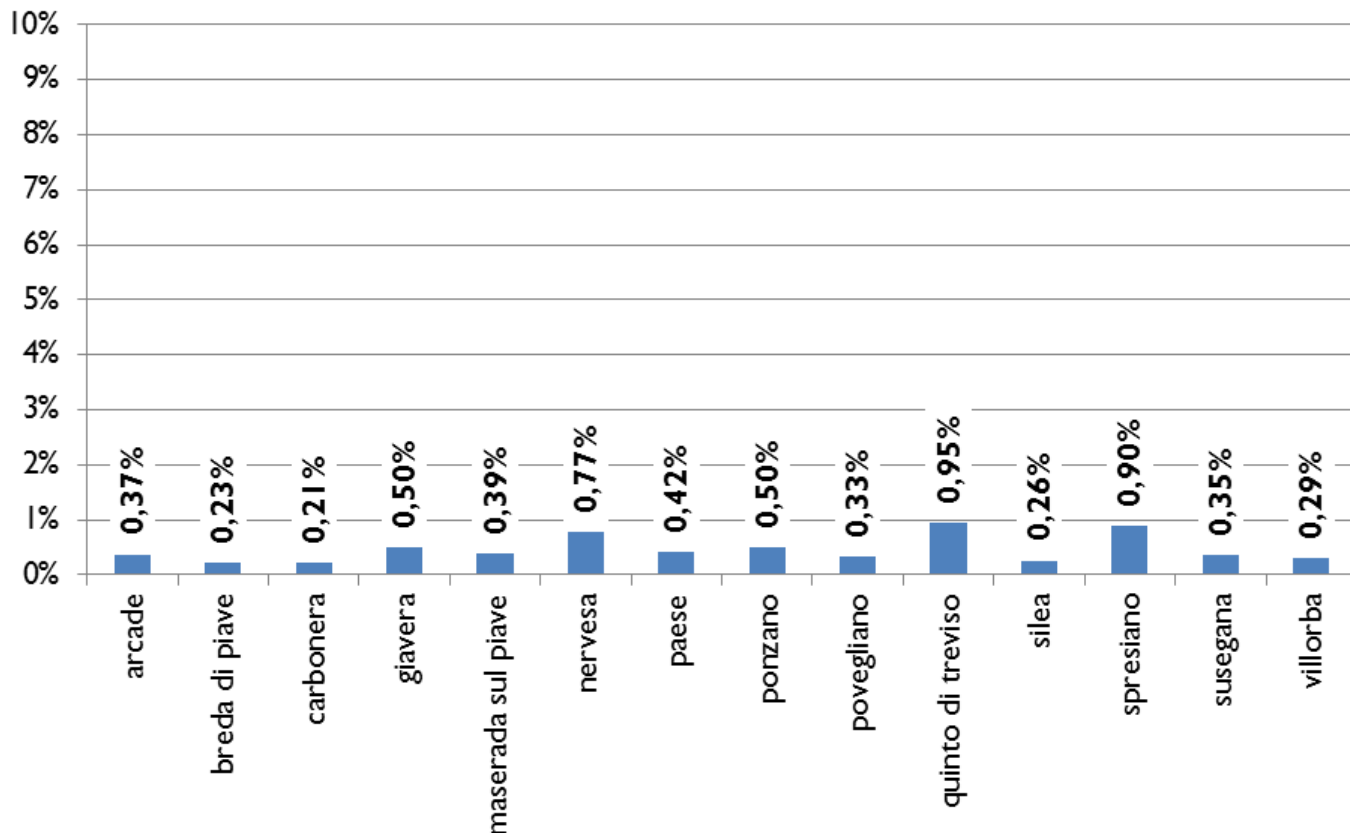
- Mitigation in environmental impact thanks to a significant reduction of CO<sub>2</sub> and odours emission;
- Improvement of composting process.





UMIDO

# Content of impurities



# EcoBus

Service created for the historical center of Treviso

- 6 different routes
- It stops for 30 minutes at fixed times
- It collects two different types of waste at the same time
- Users deliver the waste to the EcoBus





# EcoStop

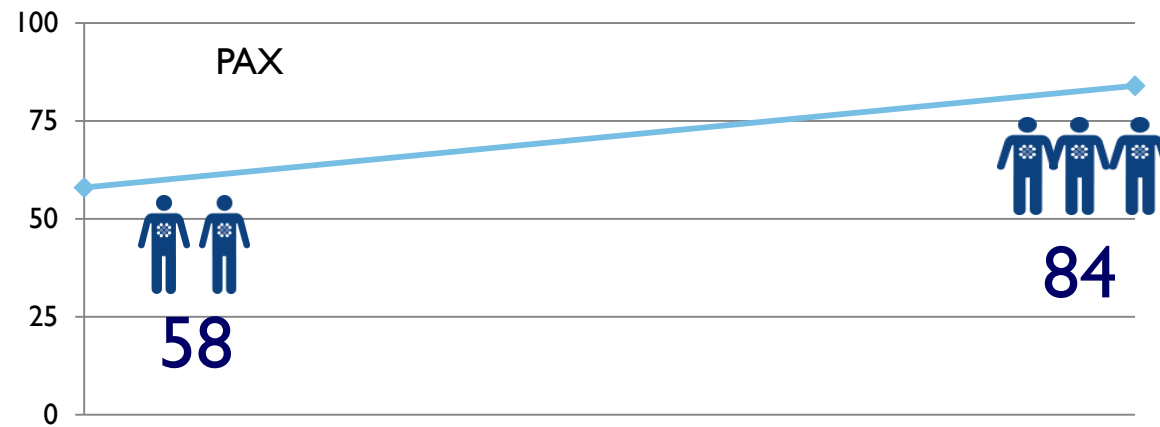
Service created for the historical center of Treviso

- 2 different routes
- It stops for 1 hour at fixed times
- It collects 4 different types of waste at the same time
- Users deliver the waste to the EcoStop

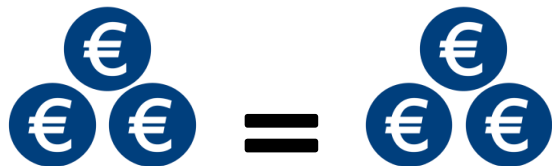


# 'Green jobs' means growth

## Contarina Staff



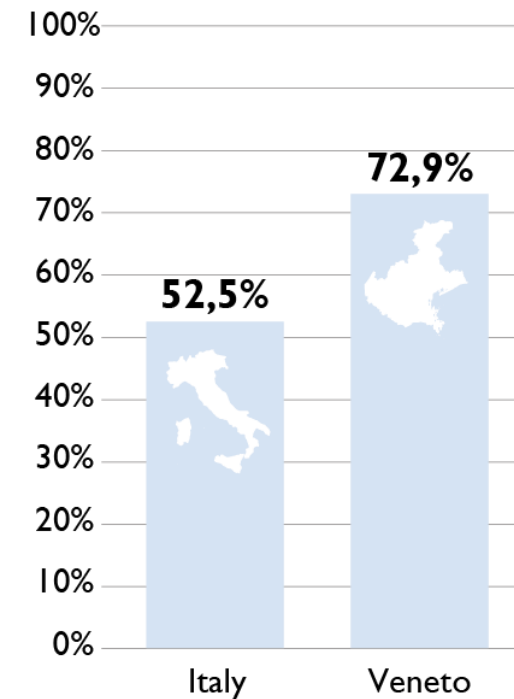
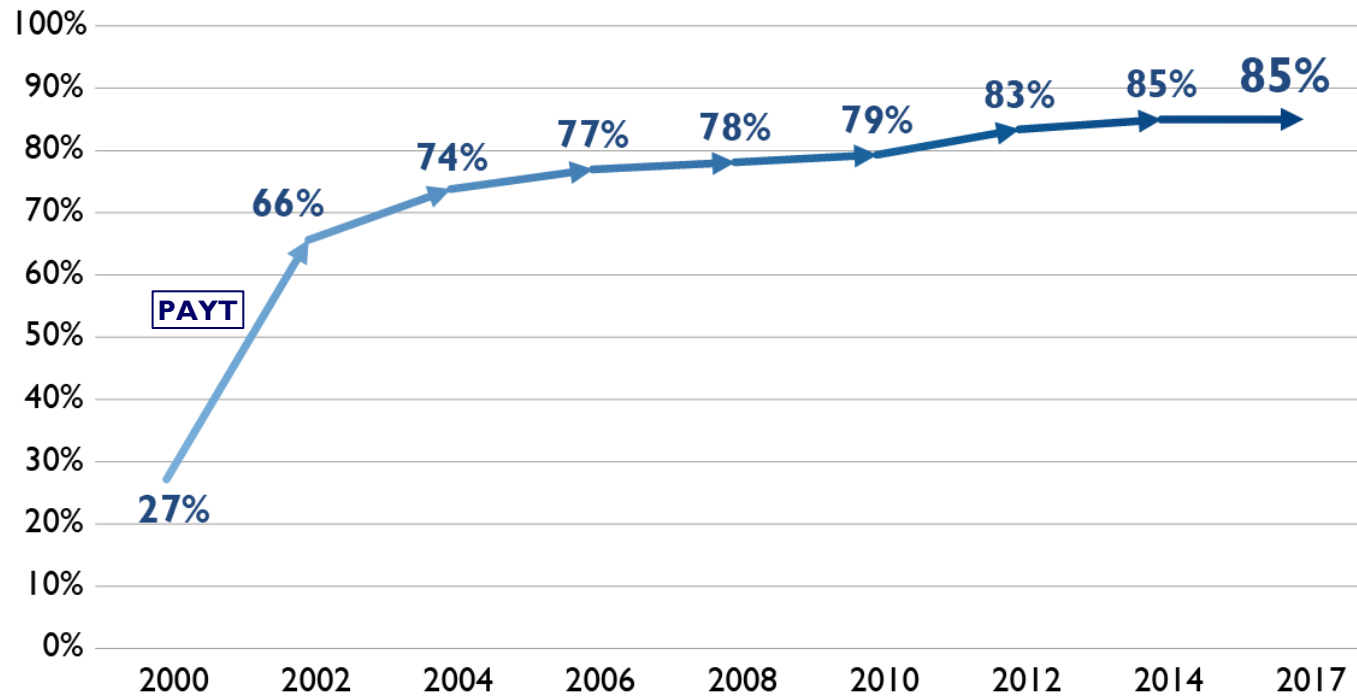
**Total costs**  
(management + disposal)



**Waste quality**



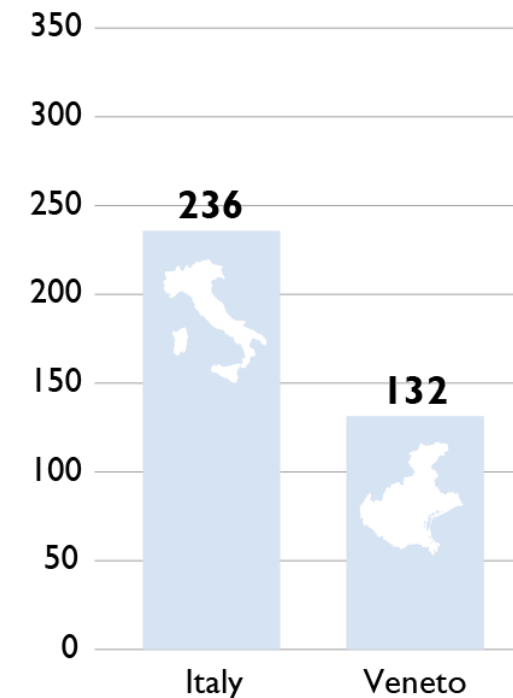
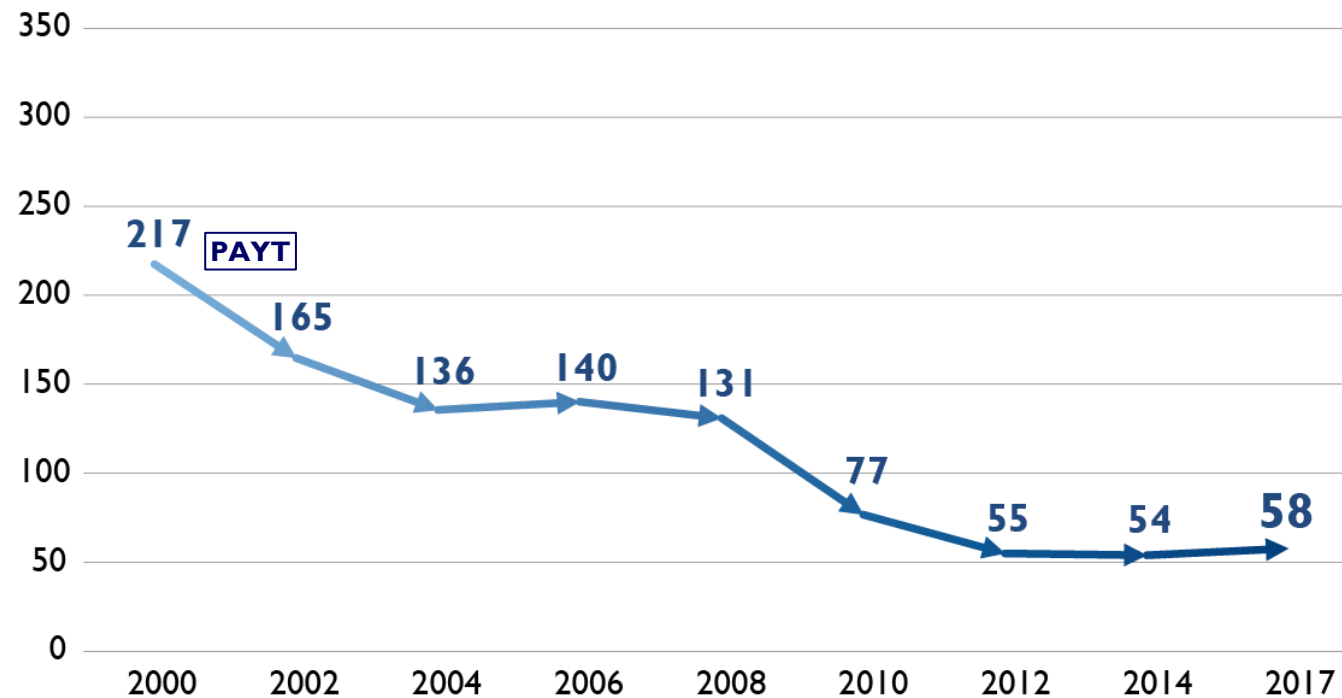
# Recycling Rate of the municipalities managed by Contarina



## SOURCE

Contarina 2017  
Rapporto Rifiuti ISPRA 2017 (dati 2016)

# The production of municipal residual and bulky waste managed by Contarina (kg\*inhabitant/year)

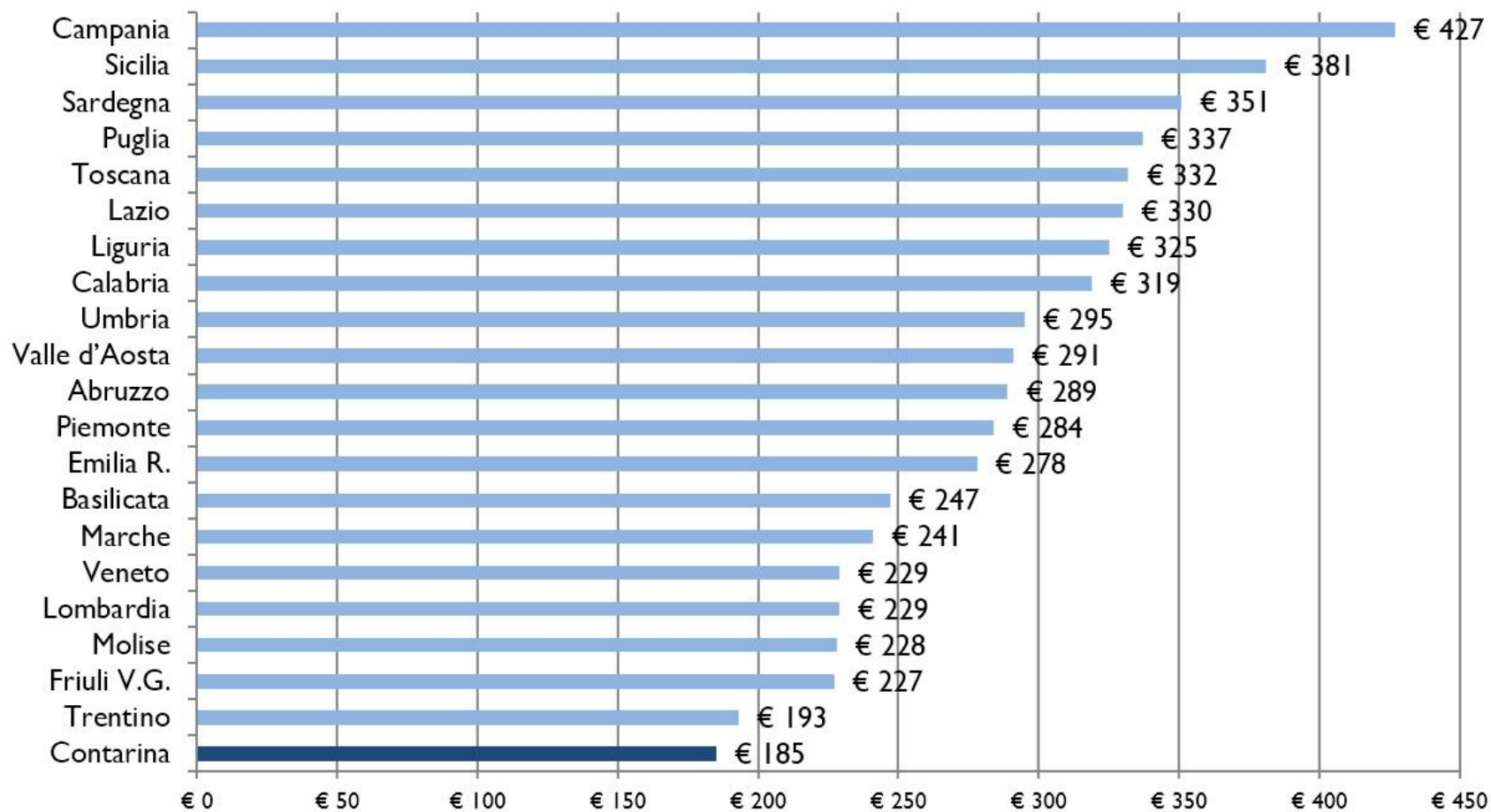


## SOURCE

Contarina 2017  
Rapporto Rifiuti ISPRA 2017 (dati 2016)

# The average household's fee\*

## Comparison of national data (2016)



\*Average household composition: 3 person

### SOURCE

Dati Contarina 2017 Cittadinanzattiva - Osservatorio prezzi e tariffe 2016 (Importi comprensivi di IVA e tributo provinciale)

# Thank you for your attention



ContarinaSpa



@contarinaspa



ContarinaSpA



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