



Contarina Spa

Integrated waste management

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Budapest (Hungary)
November 2, 2015



**55 kg
residual
waste /
person**

85% recycling rate

**Green
jobs**

**Cost
efficient**

PAYT

**Zero
waste**

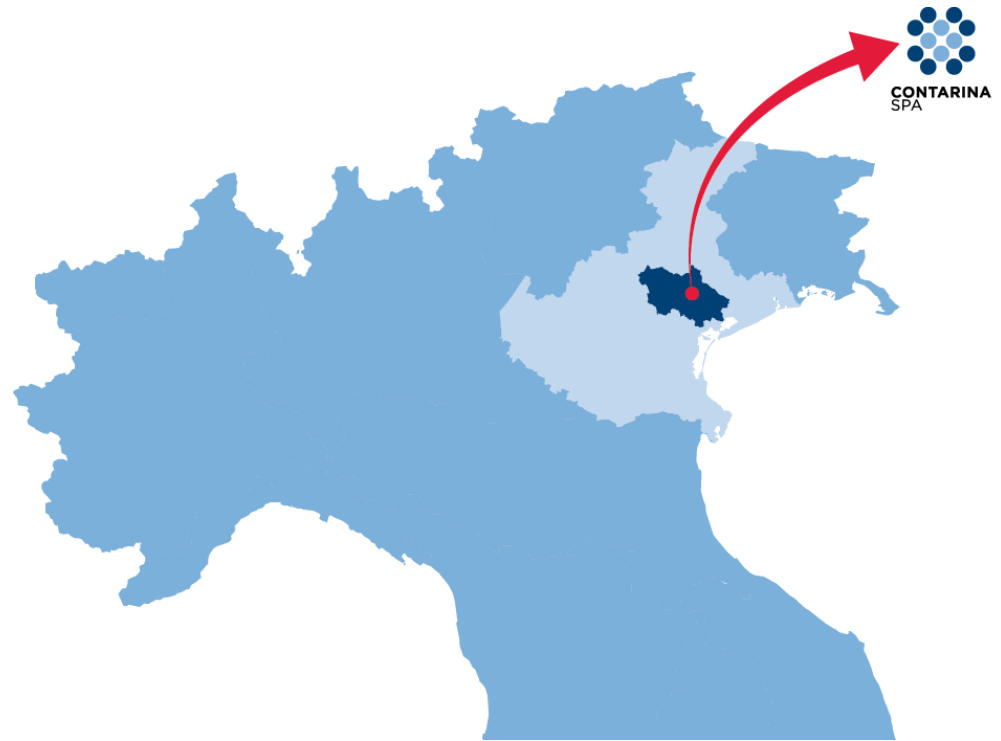
**Curbside
collection**



Our location

CONTARINA 100% Public Company

Square Kms	1.300
Municipalities	50
Inhabitants	~554.000
Users	~260.000
Employees	686
Annual turnover 2014	84 M. €



Historical centers



Urban centers



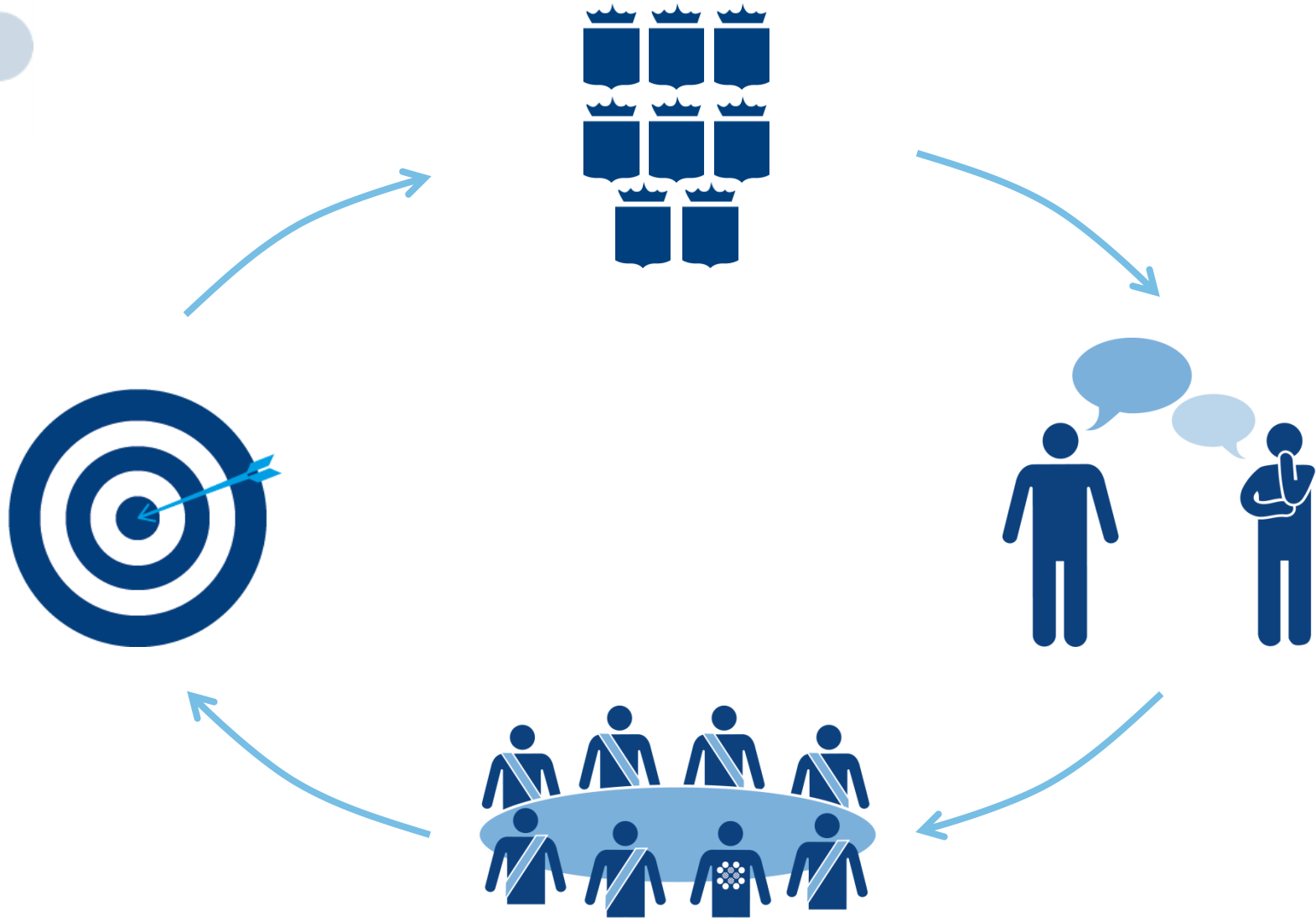
Outlying areas



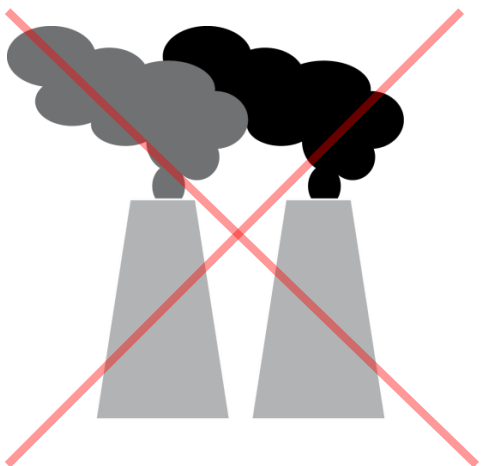
Remote areas



Shared objectives



No incinerators and landfills



Contarina's territory

What is Eco-Innovation?

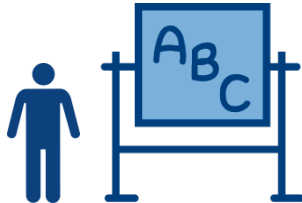


Today

**Short/mid term
investment**



Tomorrow



Today

**Long term
investment**



Tomorrow

Communication



EcoGiornale



EcoSportelli



EcoCalendario



Social



Web



Open Days



School Education



Individual Awareness

Our philosophy

There is no more

~~**B 2 B**~~

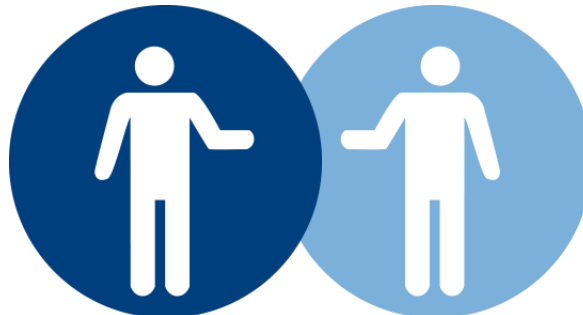


~~**B 2 C**~~



It's

H 2 H



Waste management system

Conceptual model

KNOWLEDGE



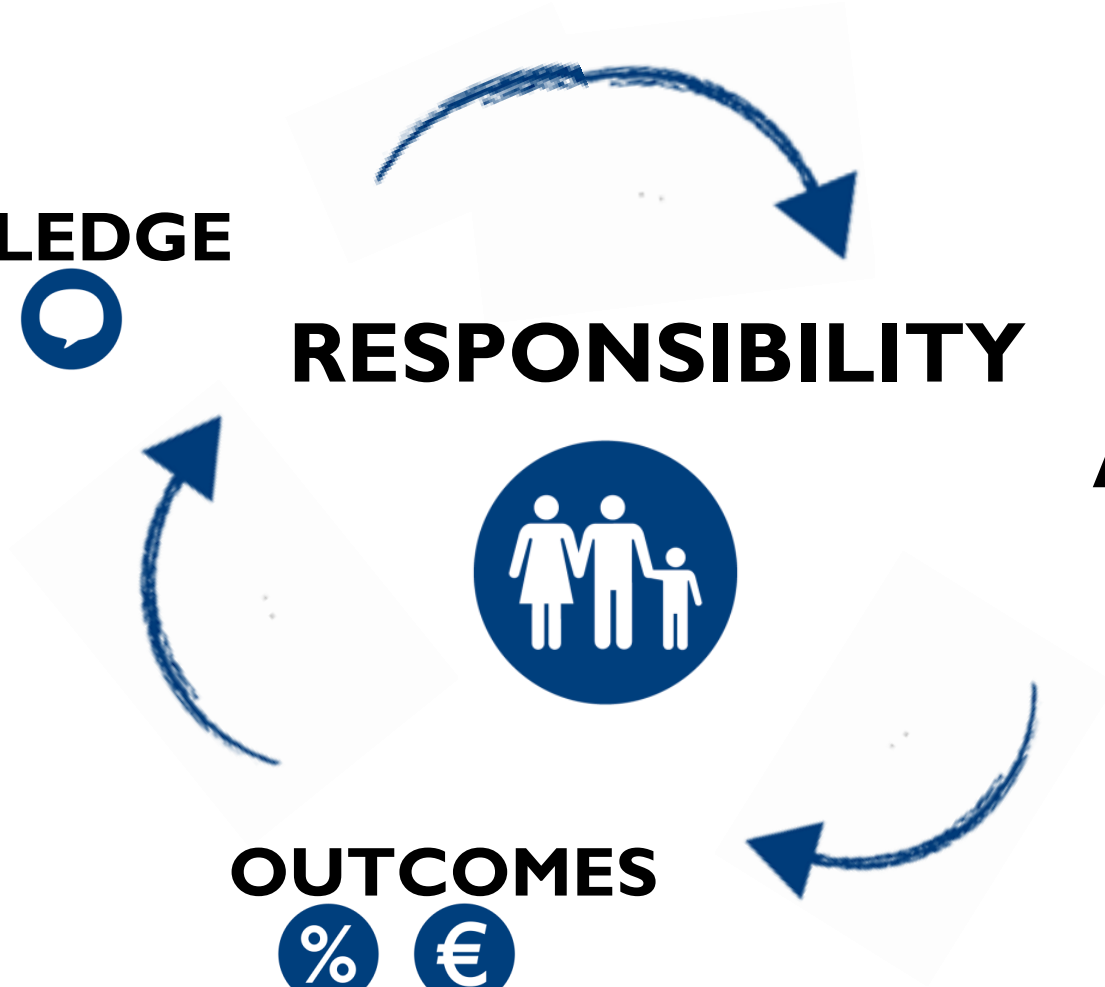
RESPONSIBILITY



ACTION



OUTCOMES

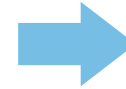
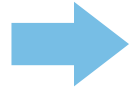
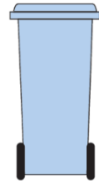


Curbside collection

A flexible system



PAYT Fee



Residual waste

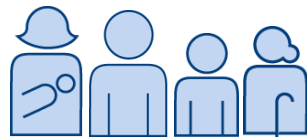
Measurement and transmission of data

Fee

60%

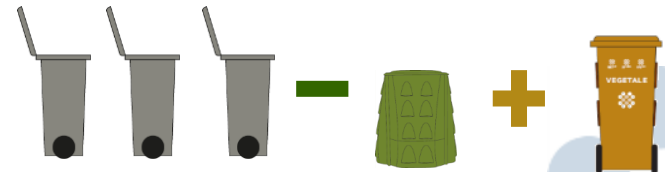
40%

Fixed Fee



Based on the number of household members

Variable Fee

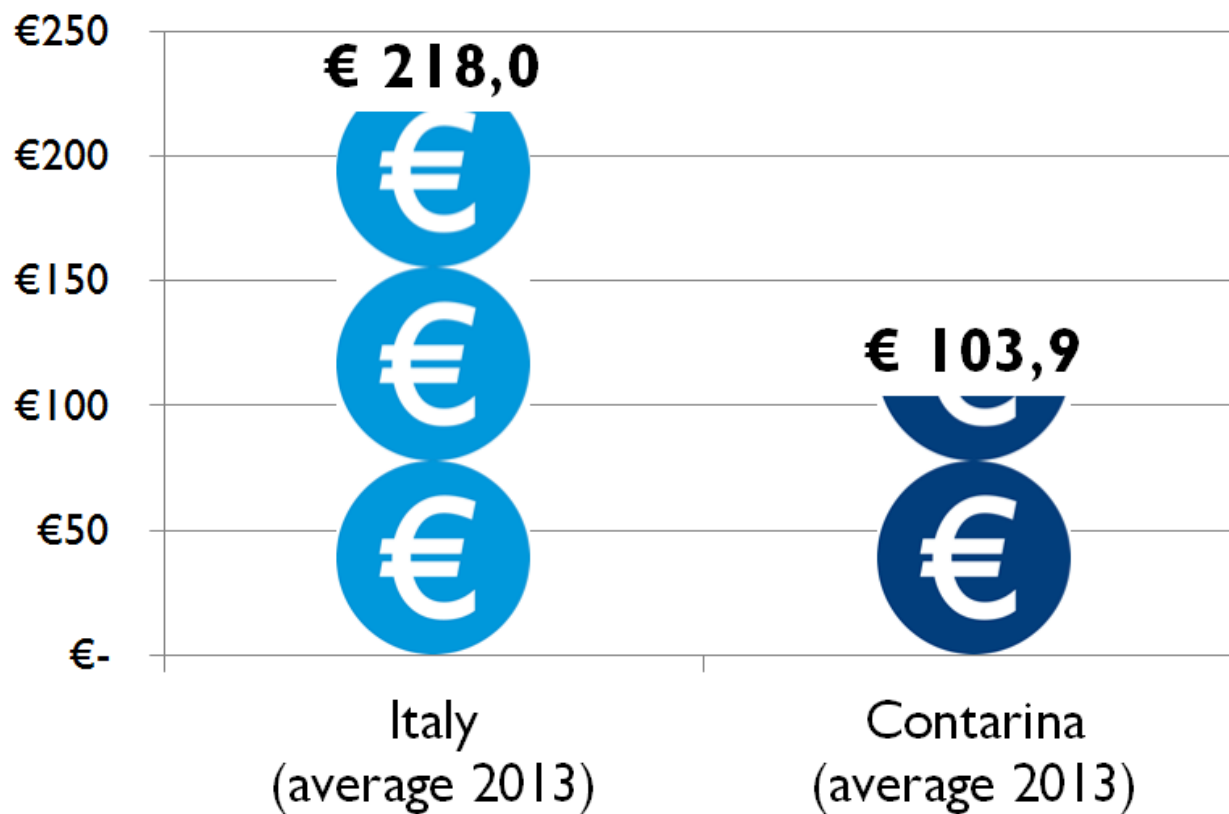


Based on the number of residual waste bin removals
– 30% for home composting
+ fixed quota for garden waste

DOMESTIC
USERS

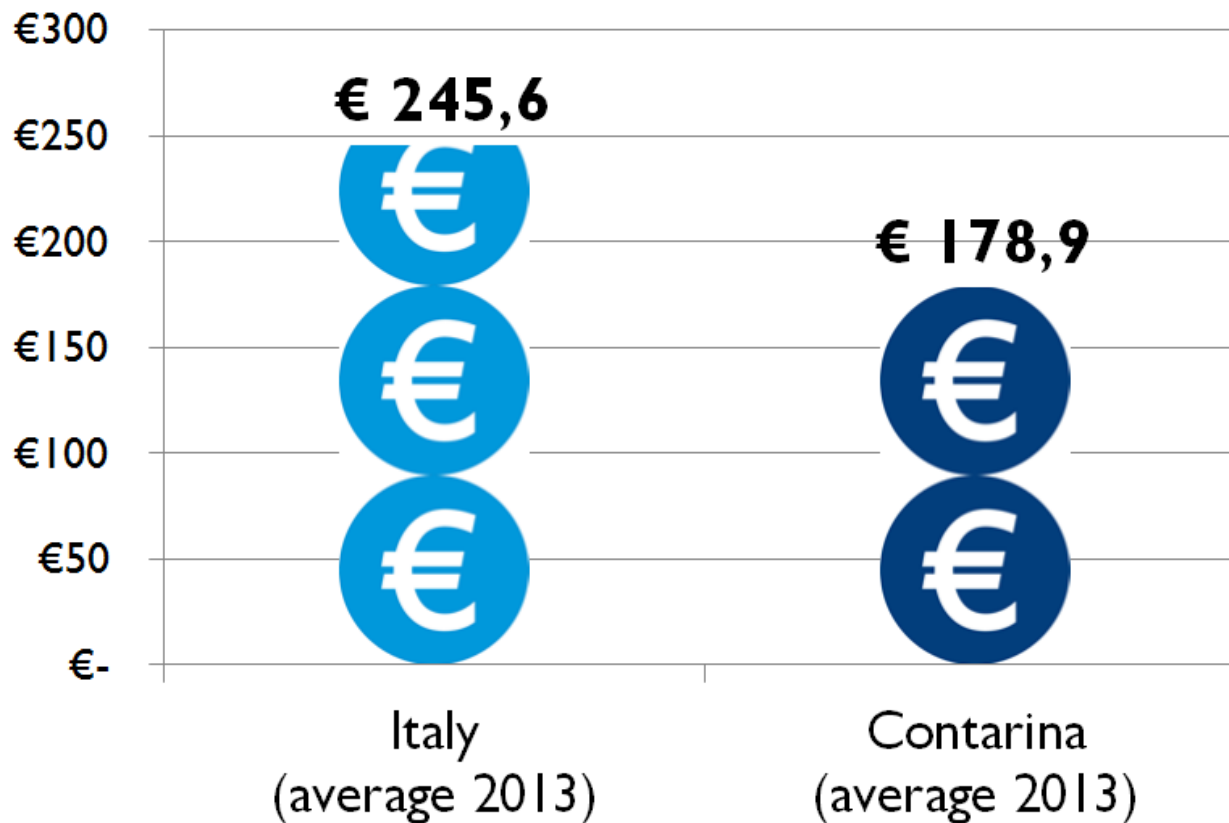
Management costs per user

Comparison of national data

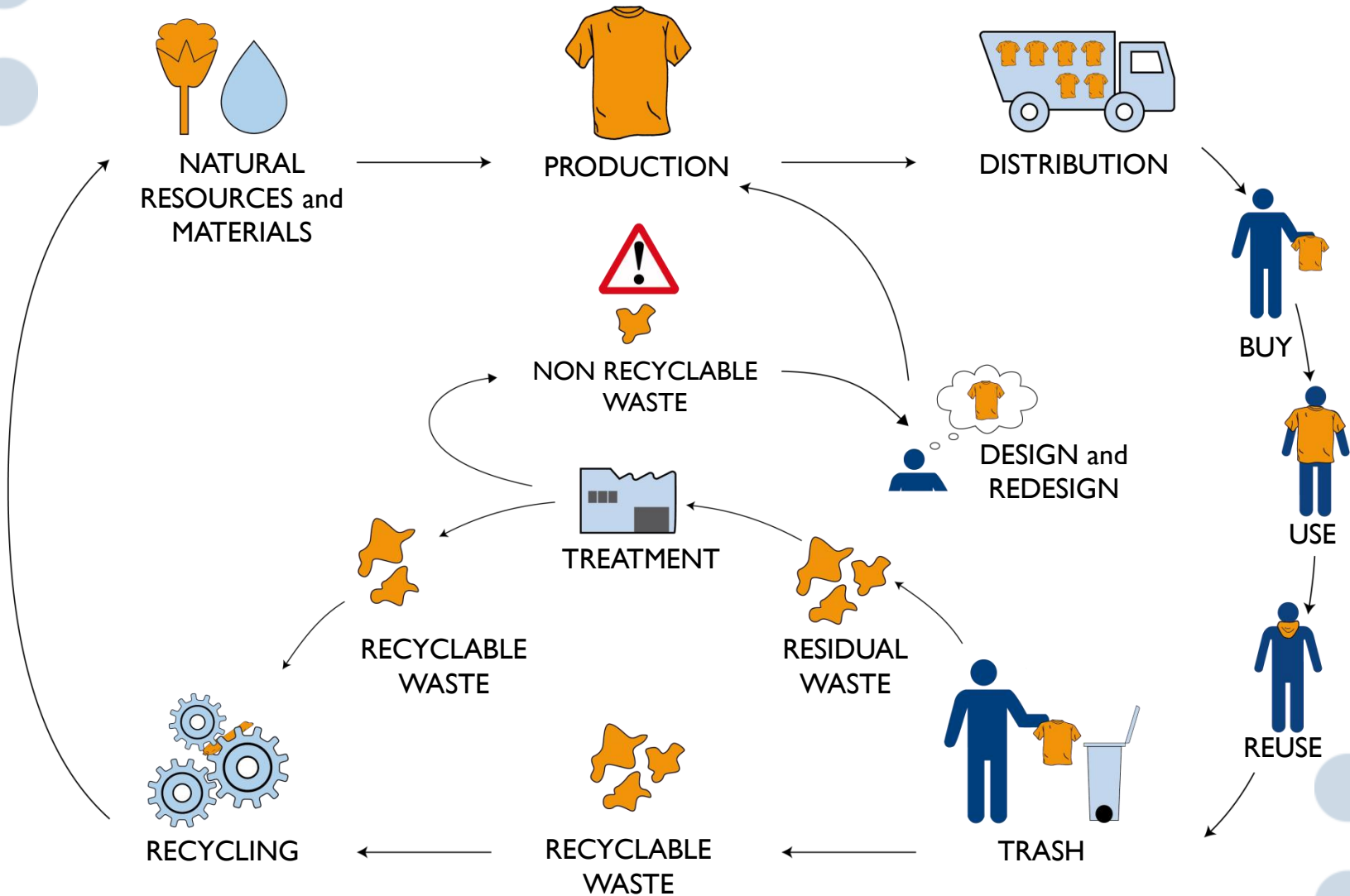


The average household's fee

Comparison of national data

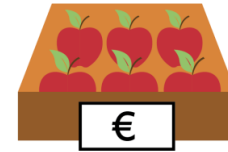


Integrated waste management system



The integrated waste management system starts from the design of objects and packaging, in consideration of the entire life cycle, with the goal to be sustainable in all its phases.

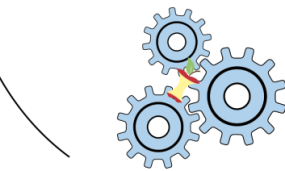
Organic and green waste



NATURAL
RESOURCES and
MATERIALS

PRODUCTION

DISTRIBUTION



RECYCLING

The collected organic waste
is brought to composting
plants such as the plant
owned by Contarina



TRASH

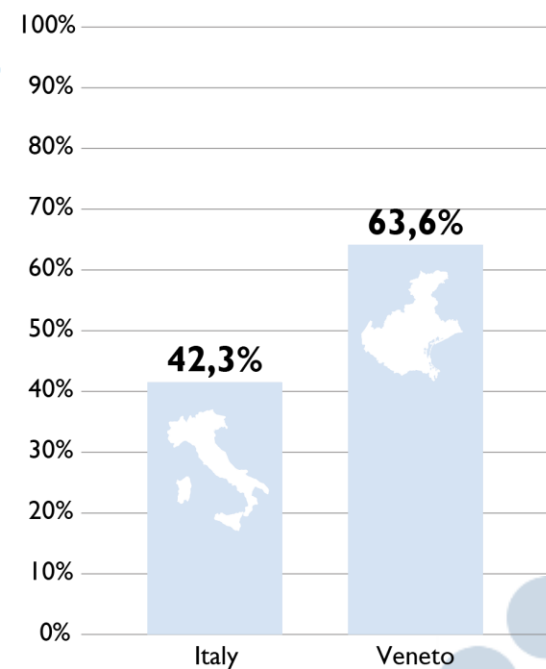
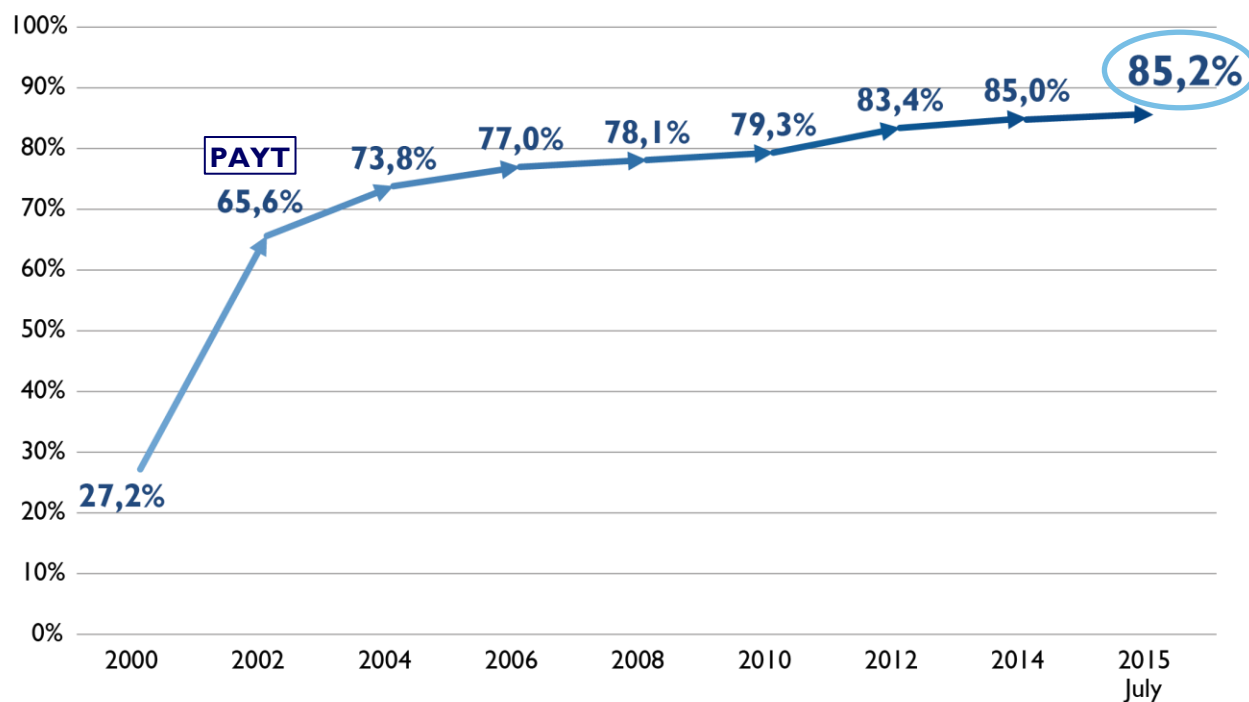
Home composting
Aerated bins



EAT BUY

Fight food waste

The percentage of recycling in the municipalities managed by Contarina

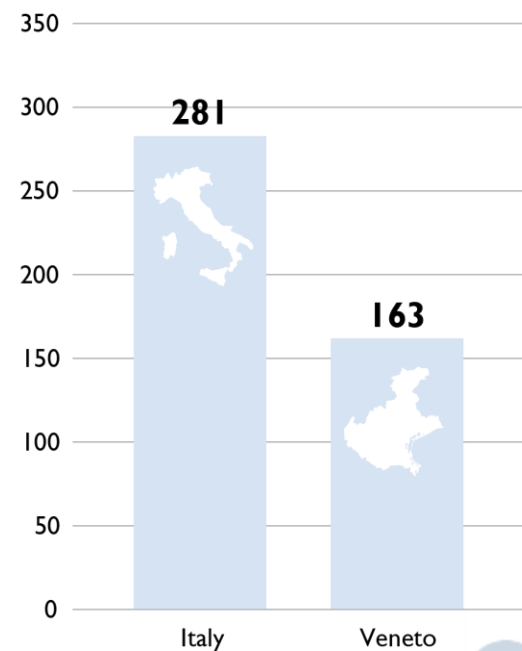
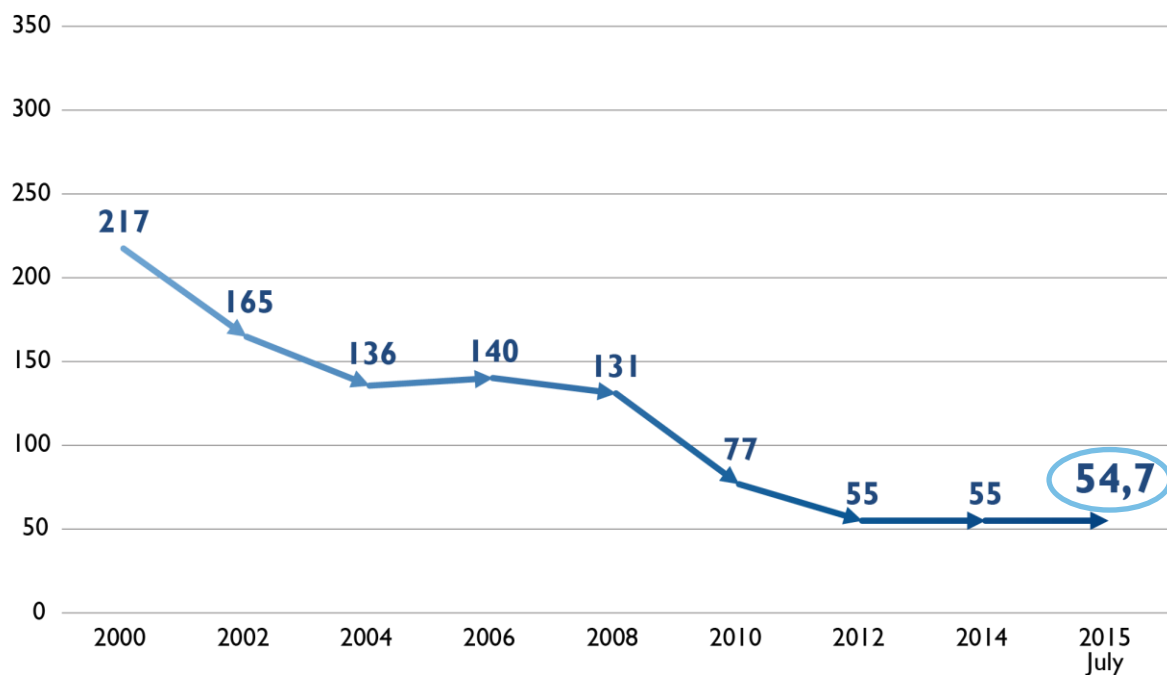


SOURCE

dati Contarina 2015

Rapporto Rifiuti ISPRA 2014 (dati 2013 Italia); Relazione Rifiuti Urbani ARPAV (dati 2013 Veneto)

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



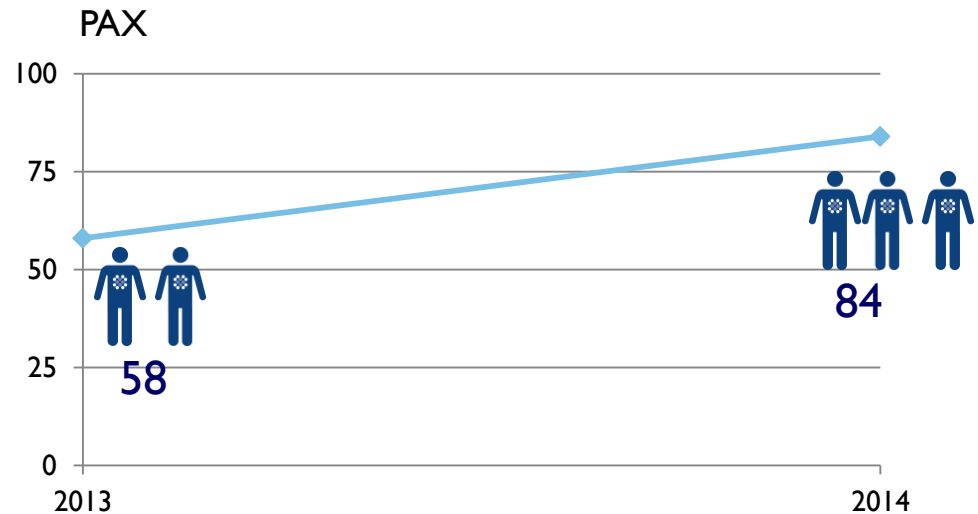
SOURCE

dati Contarina 2015

Rapporto Rifiuti ISPRA 2014 (dati 2013 Italia); Relazione Rifiuti Urbani ARPAV (dati 2013 Veneto)

'Green jobs' means growth

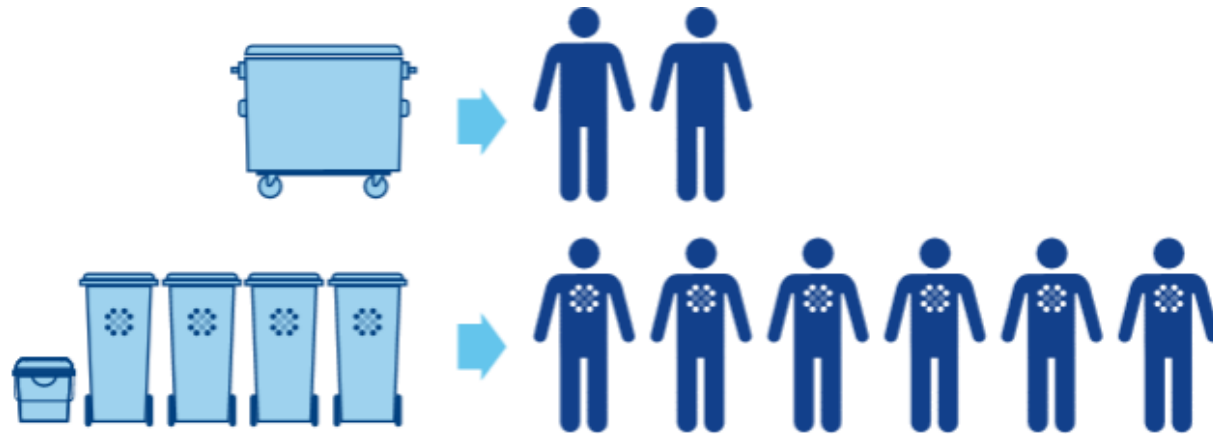
Contarina Staff



Total costs
(management + disposal)

2013 = 2014

'Green jobs' means growth

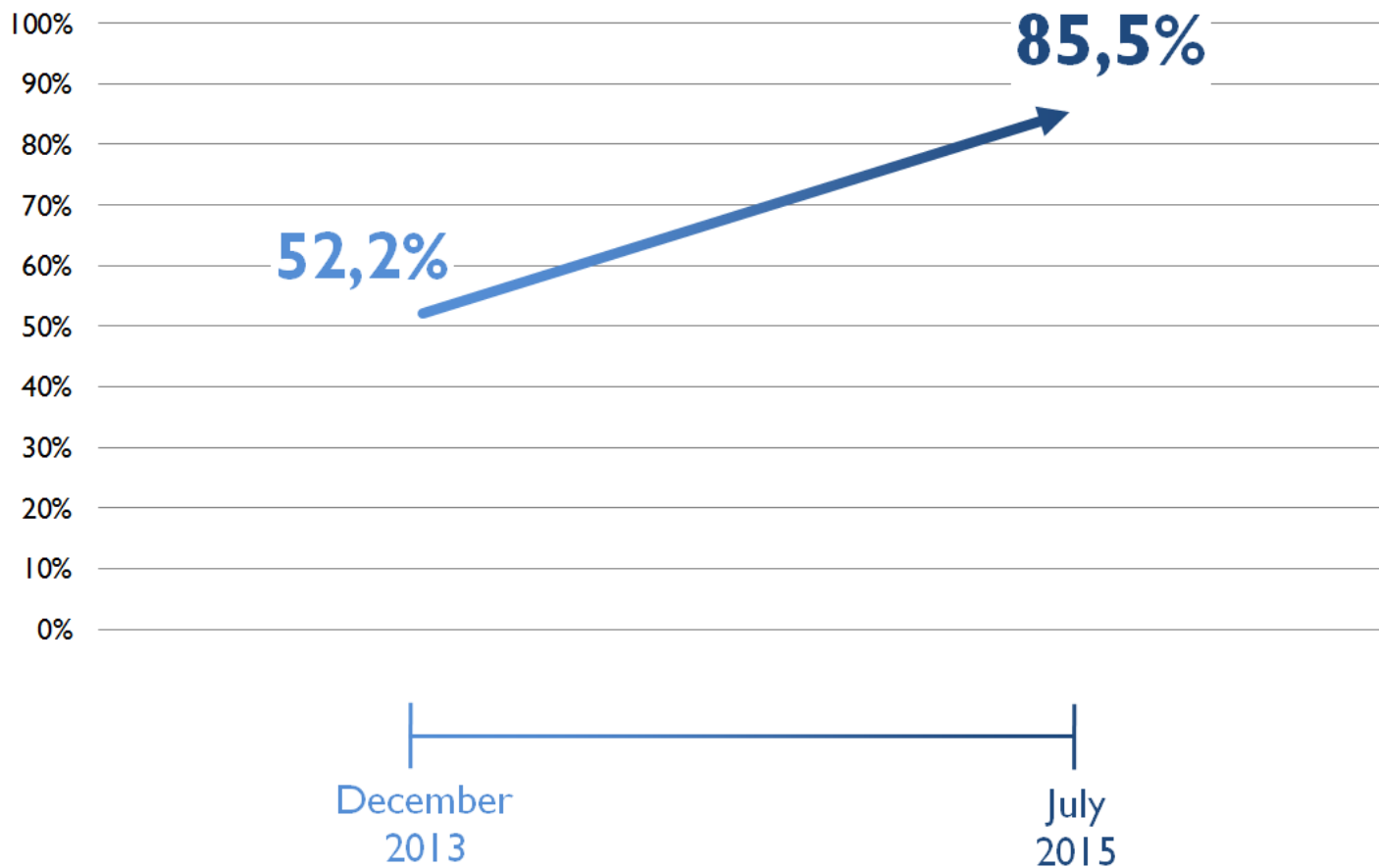


85.000 inh. ➡ **+26** 

500.000 inh. ➡ **+175** 

1.000.000 inh. ➡ **+350** 

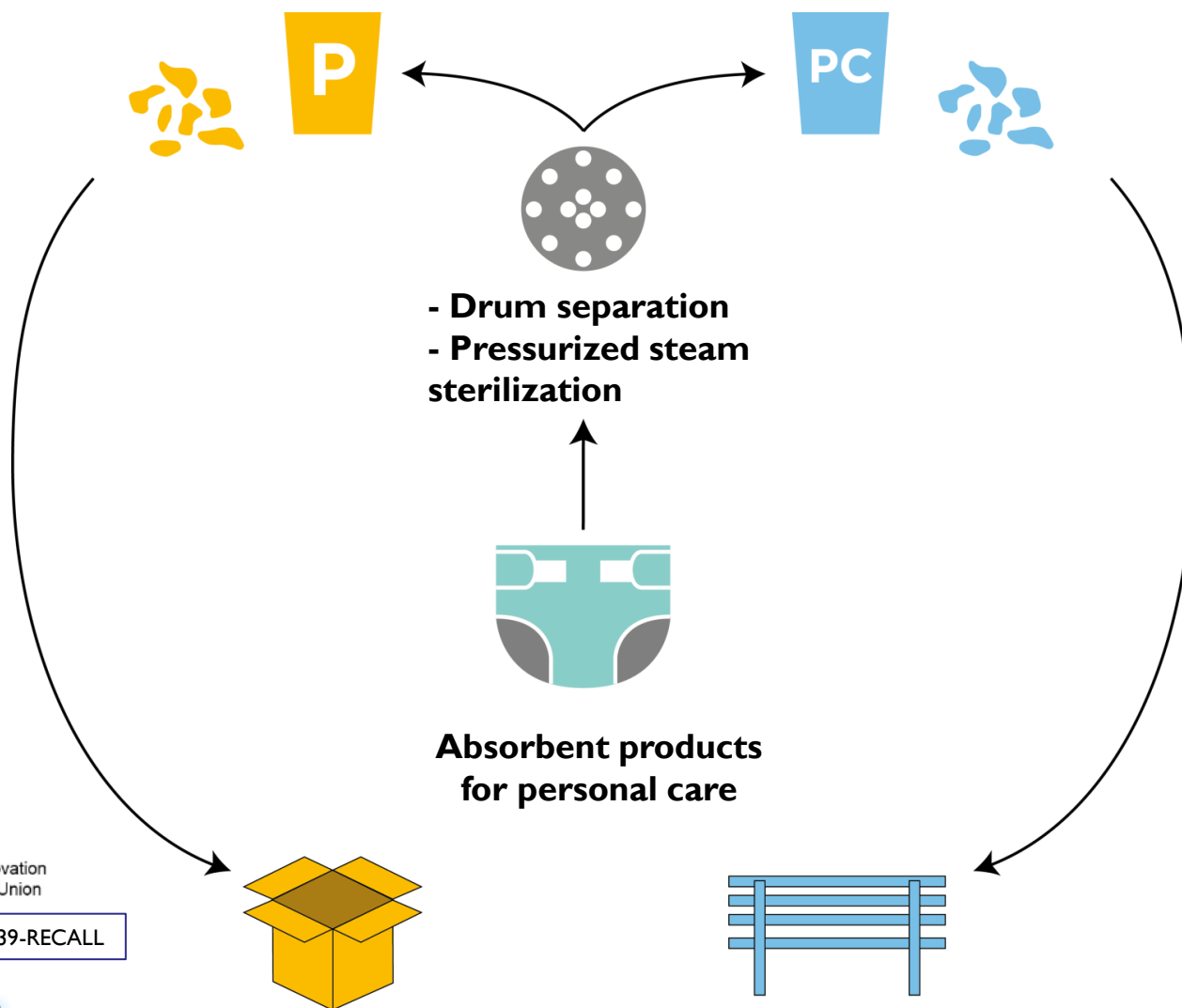
The percentage of recycling in Treviso



SOURCE

dati Contarina 2013-2015

Disposable absorbent products recycling project

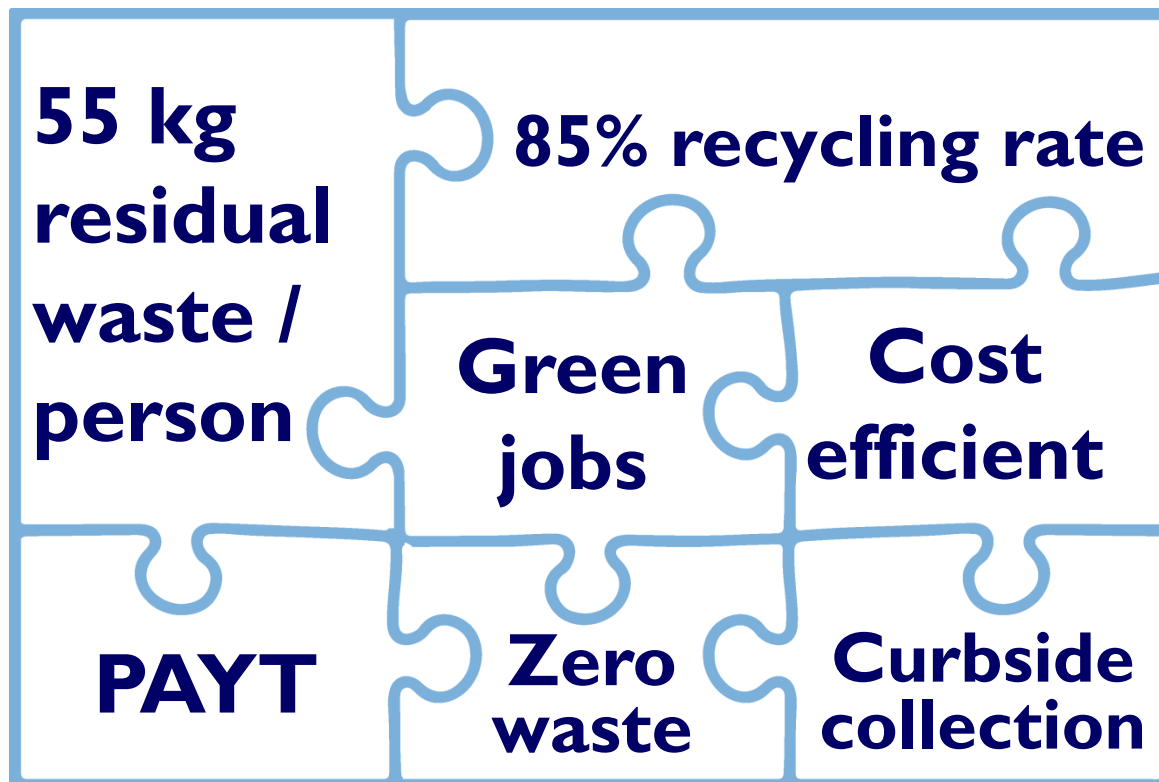


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ECO/11/304440/SI2.626539-RECALL



**Vision
Passion
Efficiency**



Towards Zero Waste

by
2022

96,7% of recycled waste



10 kg/inh/yr of residual waste



Thank you for your attention



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www.contarina.it

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