



#ZeroWasteCities  
@ZeroWasteEurope  
@PierreCondamine

[www.zerowasteurope.eu](http://www.zerowasteurope.eu)

# European perspective on ZW cities & Climate emergency

Pierre Condamine, Waste Policy Officer, [Pierre@zerowasteurope.eu](mailto:Pierre@zerowasteurope.eu)

- Fast-growing environmental NGO since **2010**
- Based in **Brussels**
- Network of **32 NGOs** in **28 countries**
- Our aim  $\Rightarrow$  **Eliminate waste from our society**



# Introduction to Zero Waste Europe



**Movement building and  
facilitation**



**Influence EU  
policy-making**



**Implement Zero Waste  
strategies**



#ZeroWasteCities

# How do we define zero waste?

Pierre Condamine - pierre@zerowasteeurope.eu  
@ZeroWasteEurope @PierreCondamine

zerowasteeurope.eu

# What is Zero Waste?

“The conservation of all resources by means of responsible production, consumption, reuse, and recovery of products, packaging, and materials without burning and with no discharges to land, water, or air that threaten the environment or human health.”

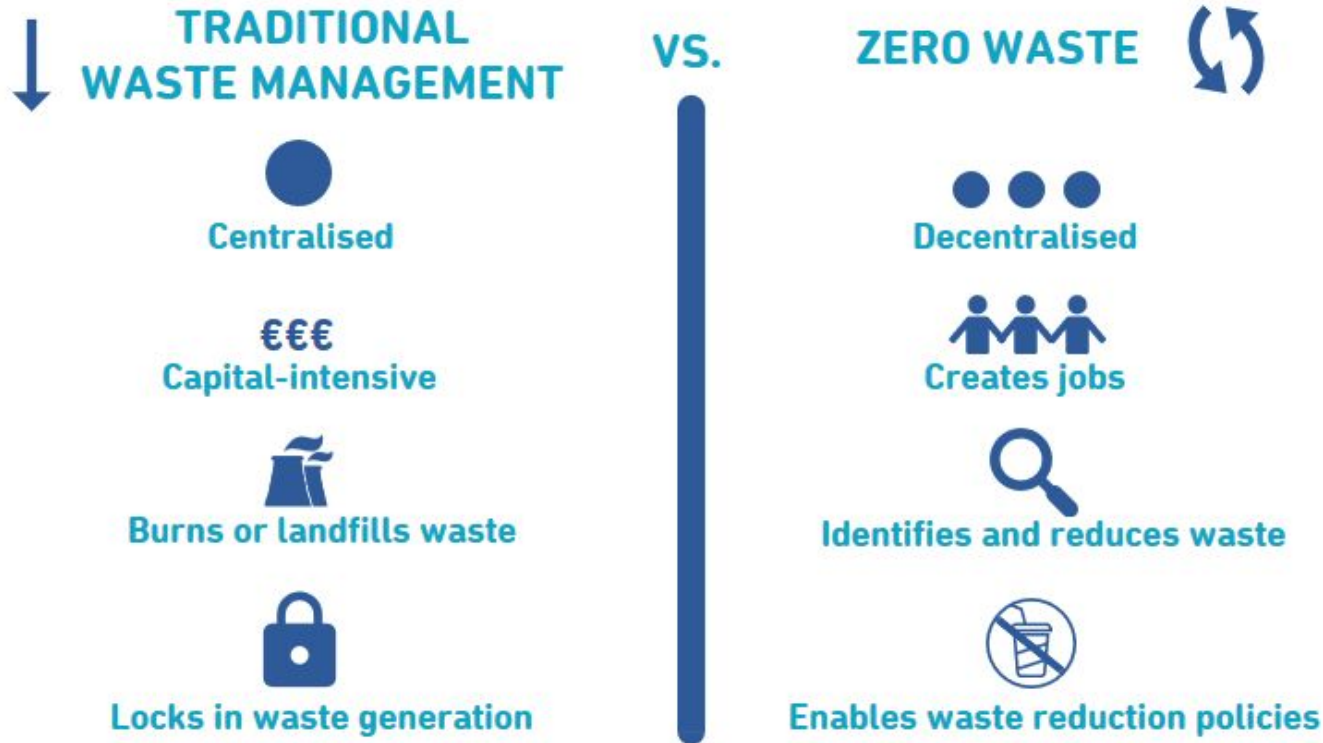
- *Definition from the Zero Waste International Alliance*



# Zero Waste Hierarchy



# Traditional Waste Management vs Zero Waste







#ZeroWasteCities

# The Zero Waste Cities programme

Pierre Condamine - pierre@zerowasteeurope.eu  
@ZeroWasteEurope @PierreCondamine

zerowasteeurope.eu



# Zero waste cities across Europe



ALL CITIES



ZERO WASTE CITIES



ZERO WASTE CANDIDATE CITIES



ZERO WASTE BEST PRACTICES



ZERO WASTE CERTIFIED CITIES

## All Cities

This map allows you to navigate through all municipalities that are part of our Zero Waste Cities programme, those showcasing best practices in waste and resource management, as well as candidate and certified cities that have committed to transition to zero waste through Mission Zero's Academy's Certification Programme.



- **450 municipalities** engaged to develop Zero Waste Strategies
- A **network of local and national contact points** via the Zero Waste Europe Members
- Similar programmes running **in Asia Pacific, LATAM, USA/Canada, Africa (GAIA network)**



# Our approach with cities & communities:

A continuous effort to phase out waste

- not by burning or landfilling it – but instead by creating and implementing systems that do not generate waste in the first place.



## The story of Sălacea

ROMANIA

The small municipality of Sălacea in Romania tells a remarkable Zero Waste success story, establishing itself as a best practice that can be replicated in rural communities across Romania.



# Benefits for cities



Less litter  
Less waste to manage  
Less residuals



Reduced expenses for the city  
Reduced fees for citizens  
Less environmental impact



More social integration  
More social innovation  
Compliance with EU law  
More local jobs  
Money stays in the community



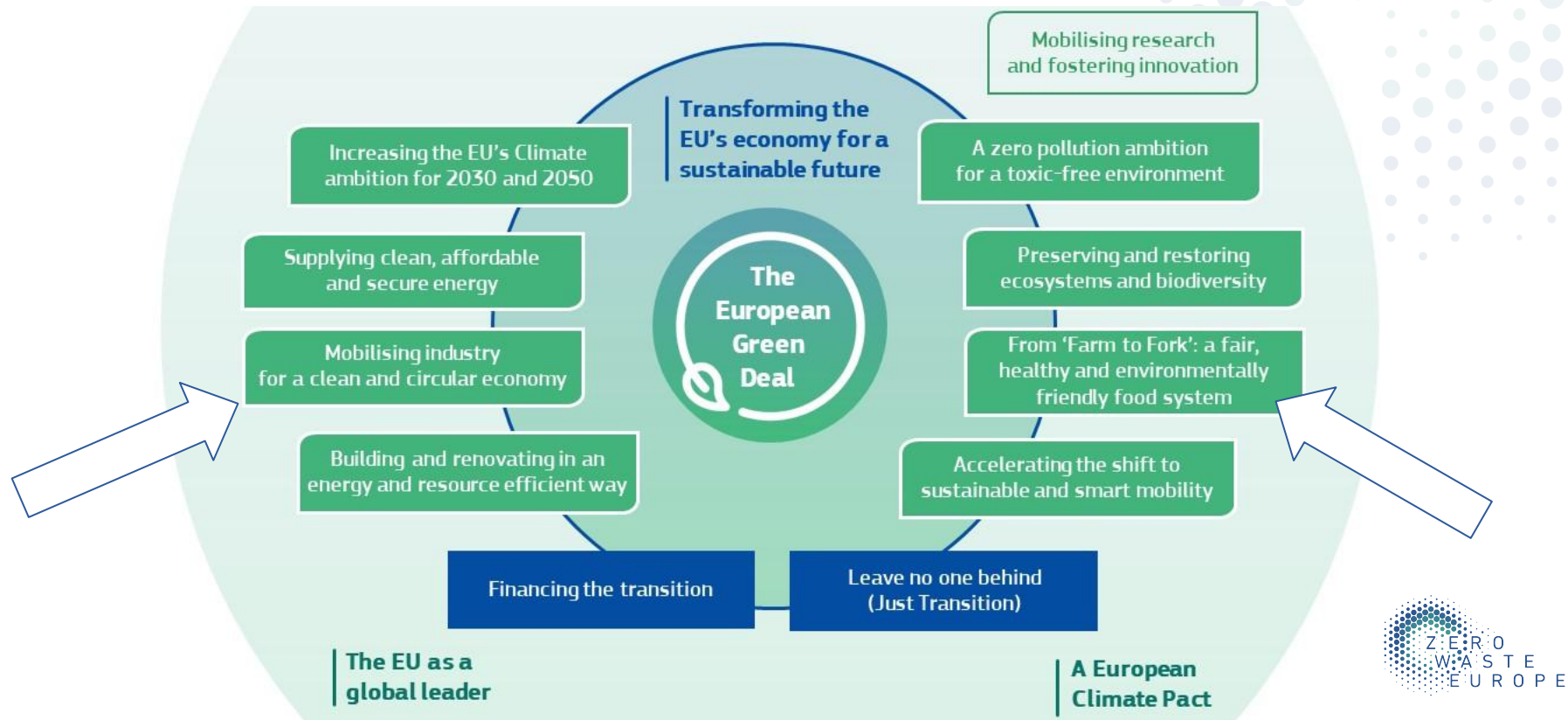
#ZeroWasteCities

# The Zero Waste Cities Model

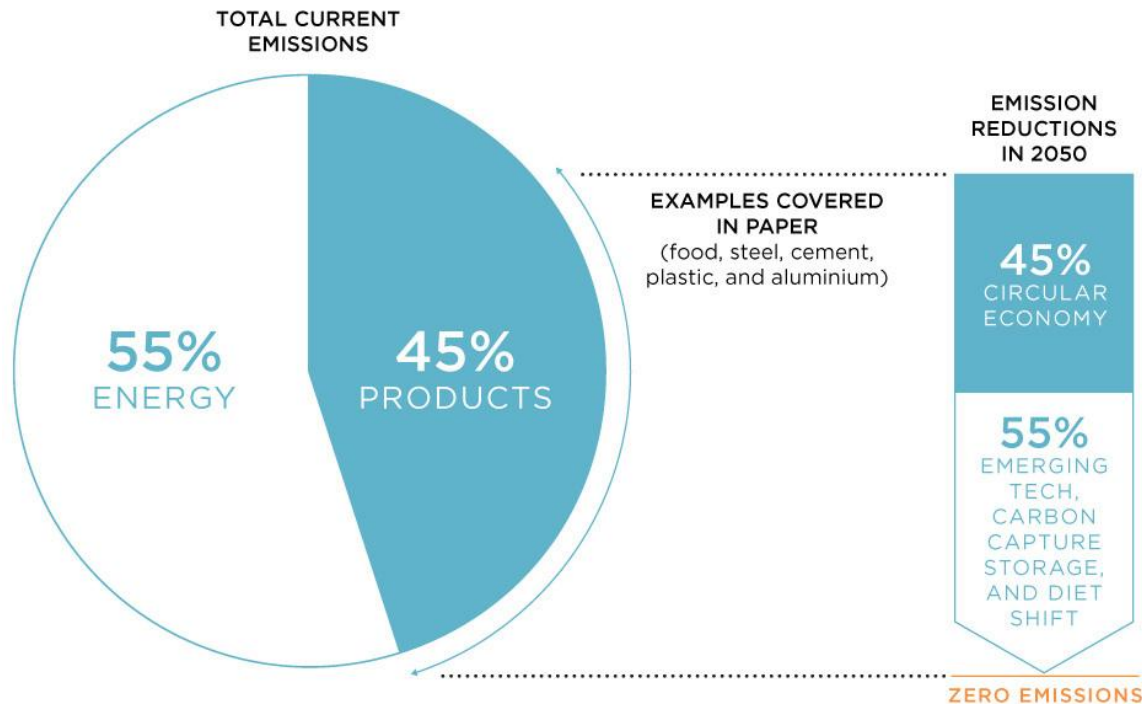
## Successful examples from across Europe



# The European Green Deal



# Circular Economy & GHG emissions



Underpinned by a transition towards renewable energy, a circular economy can help tackle the overlooked 45% of emissions by transforming the way goods are made and used.

*Source: Ellen MacArthur Foundation*



# UN Climate Change Report: Food and Land



25–30 %

of our food is lost or wasted globally.

From 2010 - 2016, global food loss and waste accounted for

8–10% of total anthropogenic GHG emissions.

The power is on your plate. Learn how you can fight climate change:  
[foodprints.earthday.org](http://foodprints.earthday.org)

#JoinEatShare #SRCCL

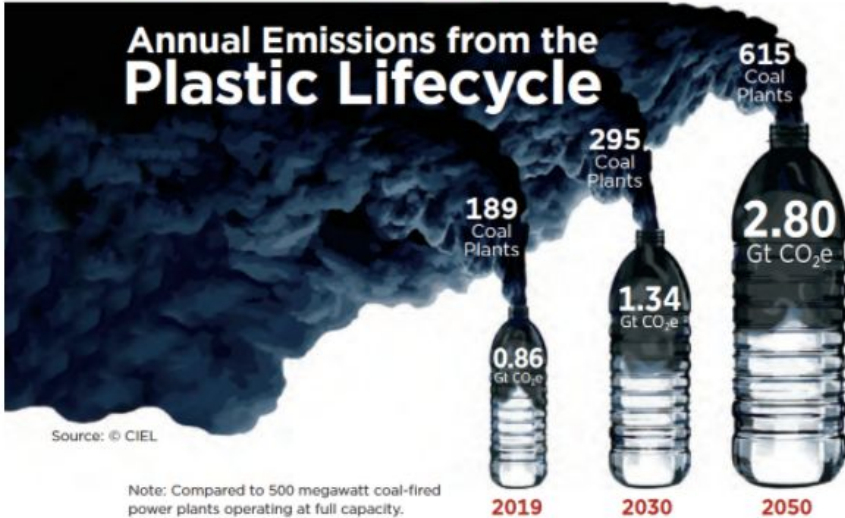


# US plastics to outstrip coal's greenhouse gas emissions by 2030, study finds

American plastics industry, described by experts as 'the new coal', releasing at least 232m tons of gas annually



FIGURE 1  
Emissions from the Plastic Lifecycle



Source: © CIEL

Note: Compared to 500 megawatt coal-fired power plants operating at full capacity.





# ZERO WASTE CITIES SAVINGS CALCULATOR

## Zero Waste Cities calculator

What are the potential savings?



City data

Waste data

Cost data

Results

Learn more

Please enter some **basic data about your city:**

50,000 - 100,000

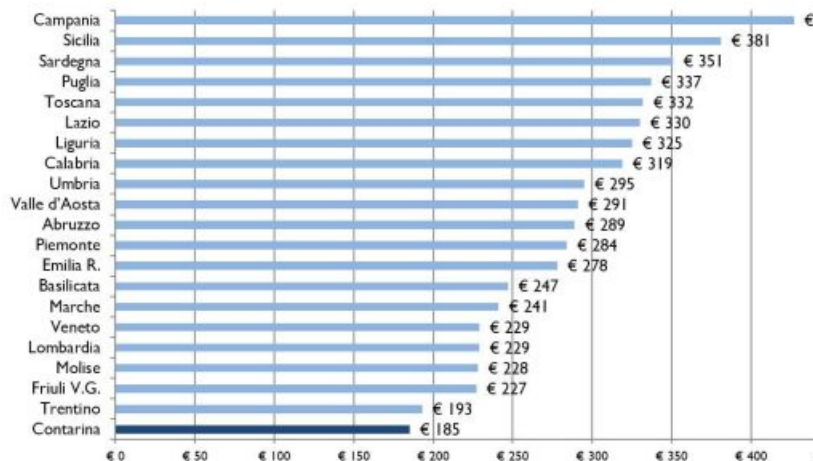
Medium

The data you submit through this form will be used to calculate potential savings through comparable scenarios and suggest further action for waste management optimization. The form contains default values which are 2017 EU-28 averages. You can modify these values in the next few steps.

# Treviso region, Italy

## 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)

## Recycling Rate of the municipalities managed by Contarina

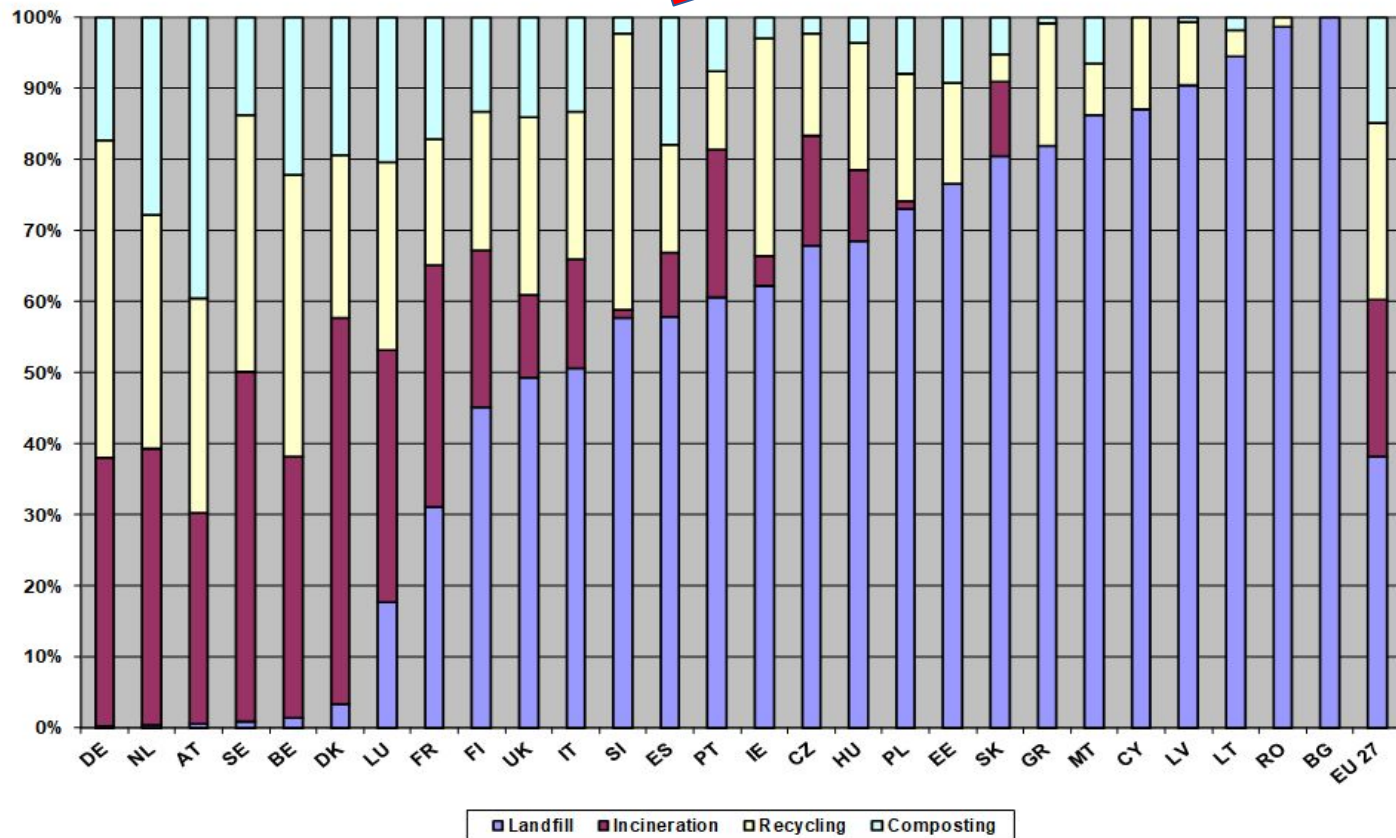


### SOURCE

Contarina 2018

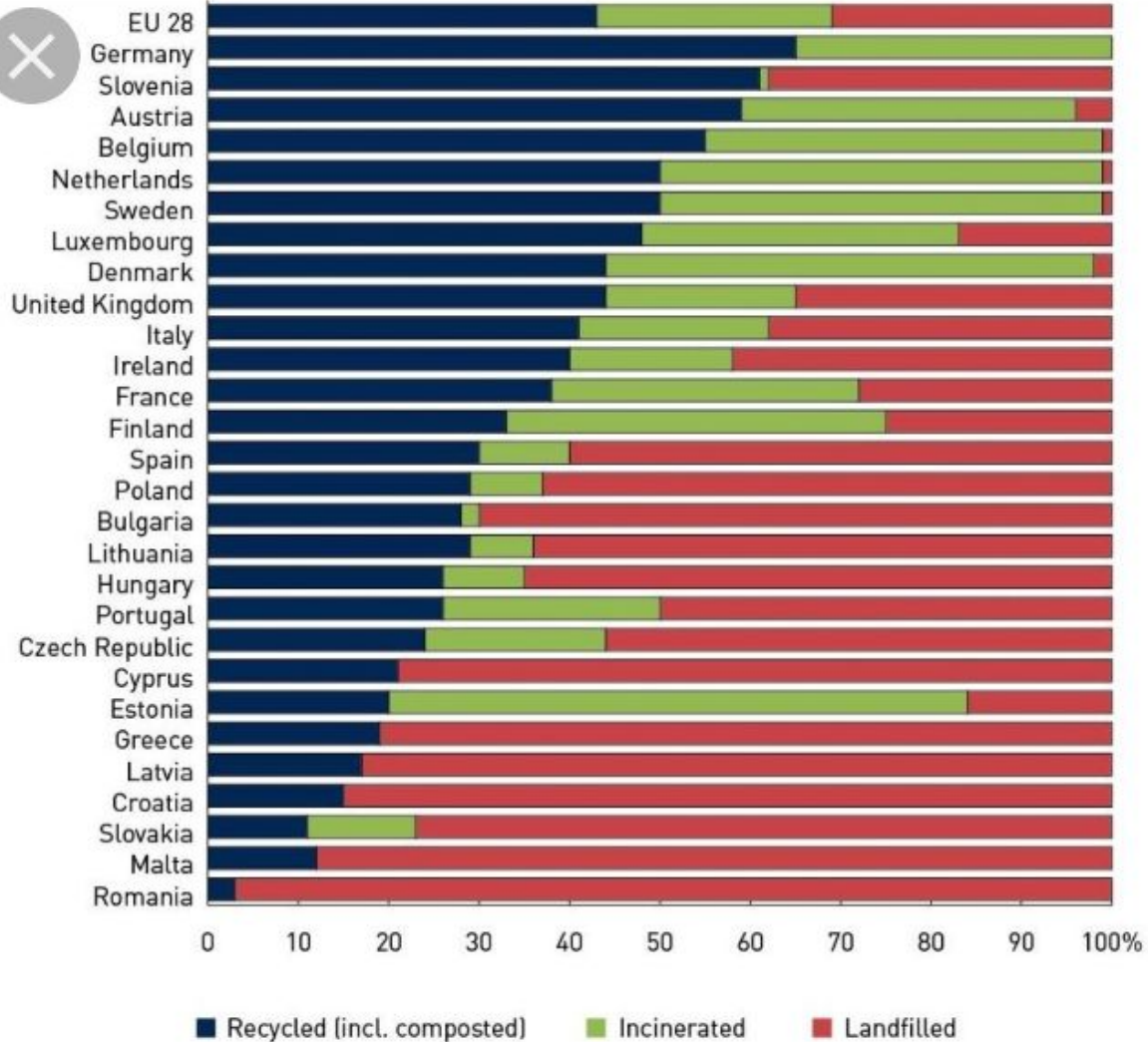
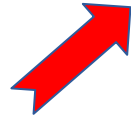
Rapporto Rifiuti ISPRA 2018 (dati 2017)

# Slovenia (2008)



# Slovenia (2018)

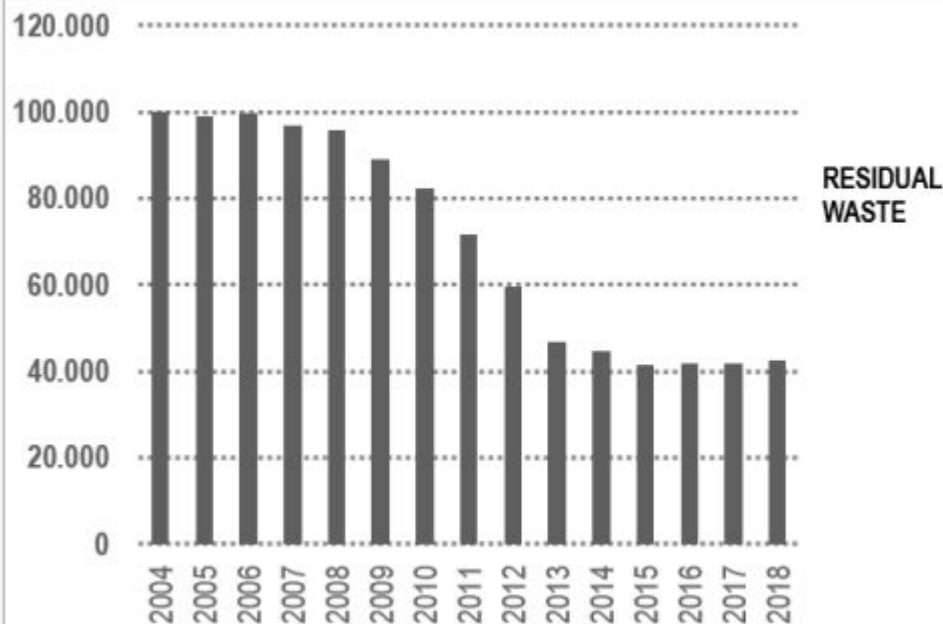
From mid-table to the  
second best performing  
in the EU



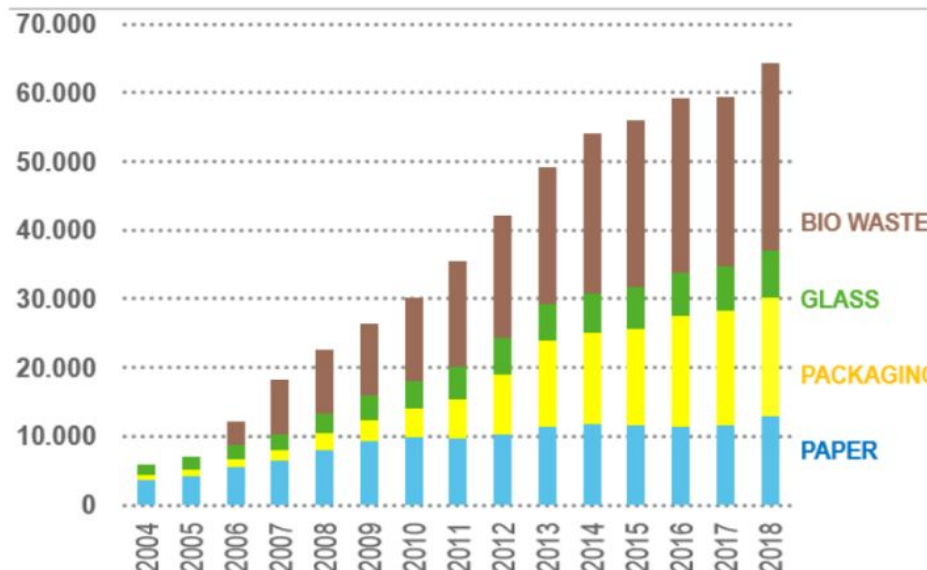


# Ljubljana as Europe's first ZW Capital City

Quantity of Residual Waste (in tonnes)



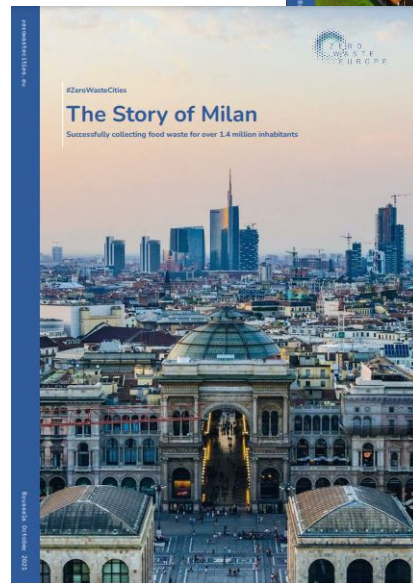
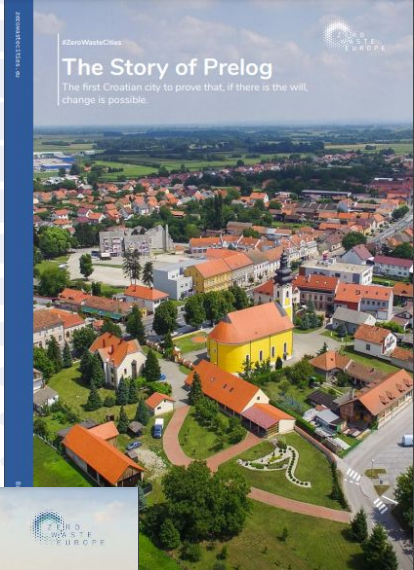
Quantity of separately collected waste (in tonnes)



# Examples of GHG savings through ZW practices

→ **Prelog, (Croatia):** Compared with the national average for 2018, for every tonne of municipal solid waste generated in a year, Pre-Kom saved **192 kgCO<sub>2</sub>eq** (Kgs of carbon dioxide equivalent) due to diversion from disposal

→ **Milan (Italy):** The proper treatment of 130,000 tons of food waste per year results in savings of around **8760 tons of CO<sub>2</sub> emissions.**





# Focus on food waste prevention and recycling

- **Bruges (Belgium):** The city adopted a sustainable food manual for events. Also focusing on prevention in the health care sector with one hospital reducing up to **43% of food waste**.
- **Pontevedra (Spain):** Decentralised composting system for 600,000 inhabitants that started in 2017. In 2019, already **2000 tonnes of biowaste were properly composted**.



# Plenty of other examples and guidelines:



## Putting second-hand first to create local jobs

GUIDANCE FOR MUNICIPALITIES TO DEVELOP LOCAL RE-USE STRATEGIES





#ZeroWasteCities  
@ZeroWasteEurope  
@PierreCondamine

www.zerowasteurope.eu

# Thank you!

Check out [www.zerowastecities.eu](http://www.zerowastecities.eu) for further information

[pierre@zerowasteurope.eu](mailto:pierre@zerowasteurope.eu)