

A METHODOLOGY FOR ZERO WASTE MUNICIPALITIES



JAKA KRANJC

Secretary General
at Ecologist without Borders



Co-funded by the
Erasmus+ Programme
of the European Union




Toolkit for zero waste municipalities



Zero waste Cities calculator

Zero Waste Cities calculator

What are the potential savings?

City data **Waste data** Cost data Results Learn more

Municipal solid waste:

Waste generation per capita kg / year

Separate collection rate %

Waste treatment (total: 100 %):

Composting %

Recycling %

Landfilling %




(Co)incineration %

Next

€ / t
➔
No
PPP
adj.

Zero Waste Cities calculator

What are the potential savings?

City data Waste data Cost data **Results** Learn more

Results

For comparison, we picked a model city of similar size that is already implementing a Zero Waste strategy: **Vrhnika, Slovenia**. Calculations assume a population of 27,500 (you chose: 5,000 - 50,000).

You could save **273,000 €** per year if you produced the same amount of waste (385 kg / year in 2018).

You could save **295,000 €** per year if you separately collected the same amount of waste (83 % in 2018).

You could save **262,000 €** per year if you treated your waste the same.

Overall comparison:
If you managed your waste the same as in Vrhnika, Slovenia, **you could save 480,000 €** per year.

Greenhouse gas savings:
If you managed your waste the same as in Vrhnika, Slovenia, you could avoid at least **1,200 tons of CO₂eq** emissions per year. Note that this is a lower bound not taking waste prevention measures into account.

Next

Zero waste cities in Slovenia

The network

- 9 municipalities
- 18 % of the population
- Custom-tailored targets and strategies



Zero waste cities in Slovenia

The process

- Formal application
- Assessment of the current situation = first data
- Zero Waste advisory board
- Zero Waste commitment and strategy
- Public presentation & adoption by local council
- ZWS and ZWE oversee everything



Zero waste cities in Slovenia

The setting

- Italian inspiration
- Good national framework to work in
- Limited incineration

The results

- 15.750 tons of residuals less
- 3.000.000 € saved
- 8.500 tons of CO₂eq less

COVID-19 vs waste in Slovenia

- Development
- WM measures in the country
 - Hygienic & employment complications
 - Closing of “recycling” centers
 - Littering & dumping
- Major changes? No need



A METHODOLOGY
FOR ZERO WASTE MUNICIPALITIES

THANK YOU



Co-funded by the
Erasmus+ Programme
of the European Union