



Introduction



Our team Roles & Responsibilities

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On our way
to sustainable society





UK

GERMANY

POLAND

EU

FRANCE

AUSTRIA

HUNGARY

ITALY

SLOVENIA

SPAIN

About Slovenia

Slovenia is the only country in Europe that combines the Alps, the Mediterranean, the Pannonian Plain and the Karst.



An aerial photograph of a terraced vineyard in Slovenia, showing rows of grapevines carved into a hillside. The vineyard is lush green, and a small cluster of buildings is visible in the upper left corner. The image is used as a background for the text boxes.

Facts about Slovenia

20,273 km²
in area

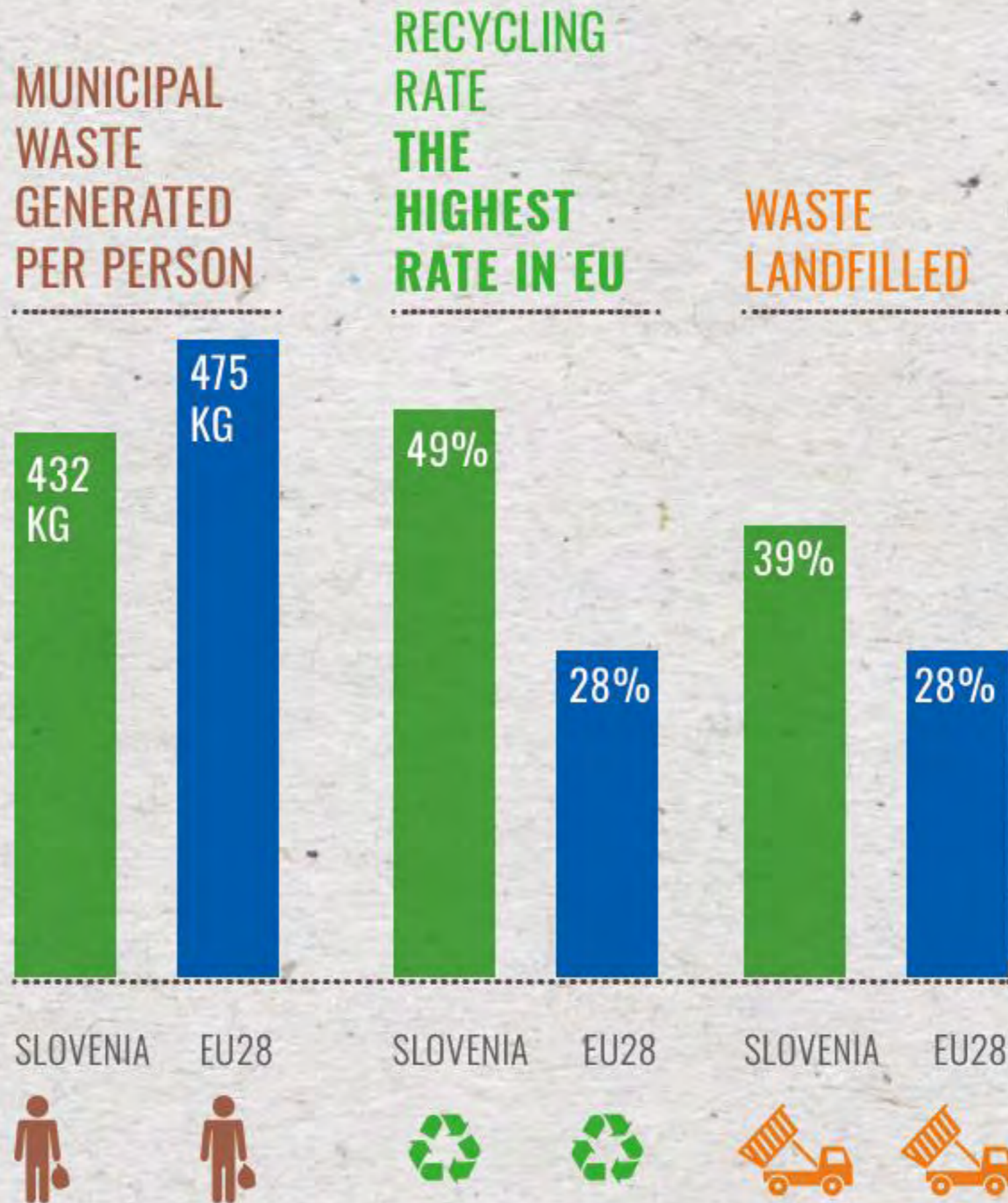
a population of
two million

Maribor,
Slovenia's
second-largest
city, is home to
the oldest vine in
the world

over 60 world
records in ski
jumping and ski
flying have been
set in SLO
(Planica)

Slovenia and waste

EUROSTAT data 2014





Public company Snaga,
the largest waste
management company
in Slovenia



The public company Snaga

AREA SERVED

CITY OF LJUBLJANA AND TEN
MUNICIPALITIES IN THE VICINITY

YEAR OF
ESTABLISHMENT

1920

TURNOVER

35 MIO

NUMBER
OF BINS
138.686

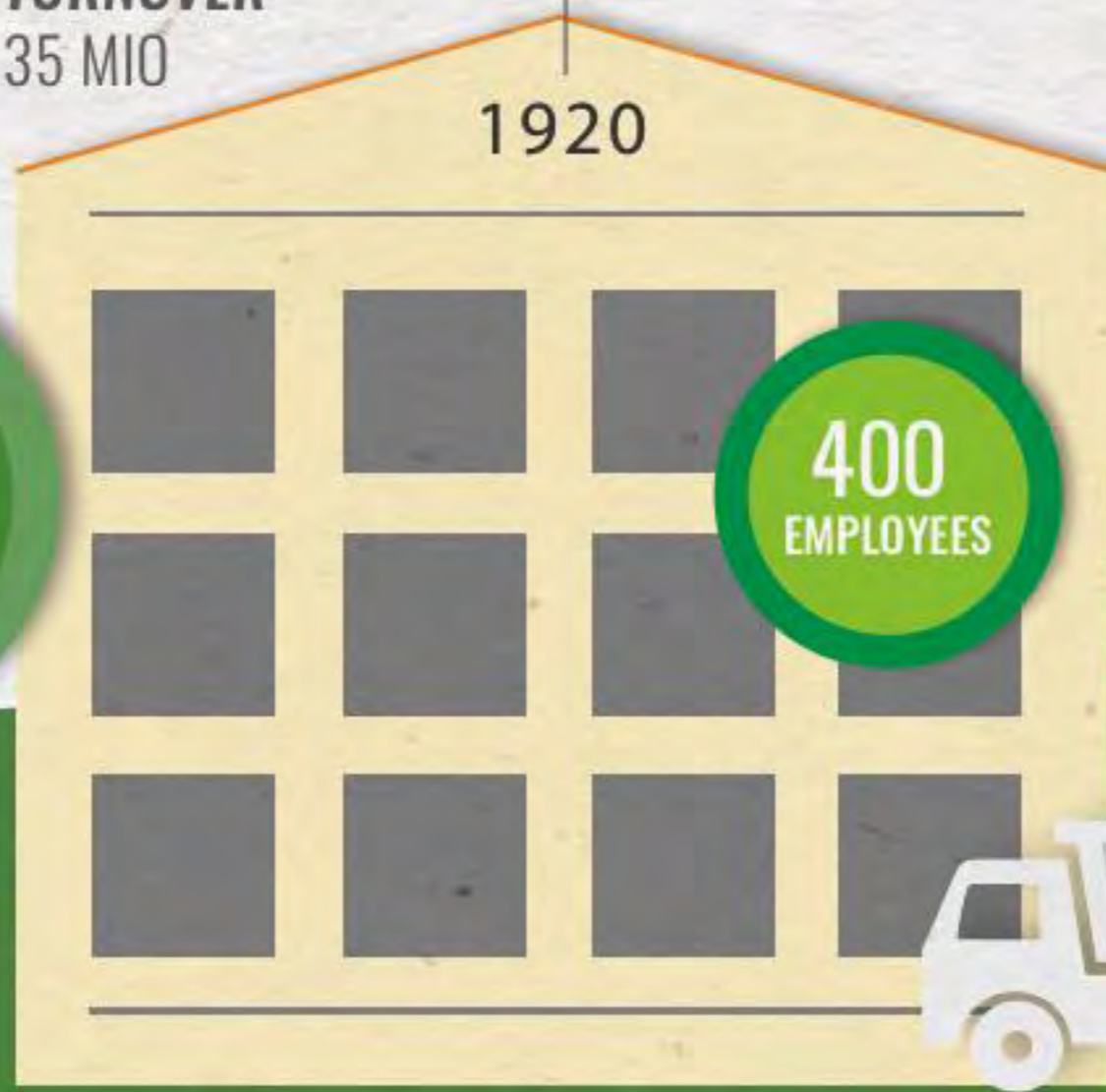
400
EMPLOYEES

OWNERSHIP

CITY OF LJUBLJANA AND SIX
NEARBY MUNICIPALITIES

390.438
RESIDENTS

153.378
HOUSEHOLDS





The public company Snaga



COLLECTION AND WASTE REMOVAL

The
public
company
Snaga



ISO 14001

BUREAU VERITAS
Certification



OHSAS 18001

BUREAU VERITAS
Certification



ISO 9001

BUREAU VERITAS
Certification



Waste
collection

Ecological
collection
sites



Waste
collection

Door to door
collection



Waste
collection

59
underground
collection
units



snaga

Waste
collection

Bulky,
hazardous
household
waste



**Waste
collection**

**Waste
electrical and
electronic
equipment**



Waste
collection

Waste
collection
centres



**We are
doing great!**

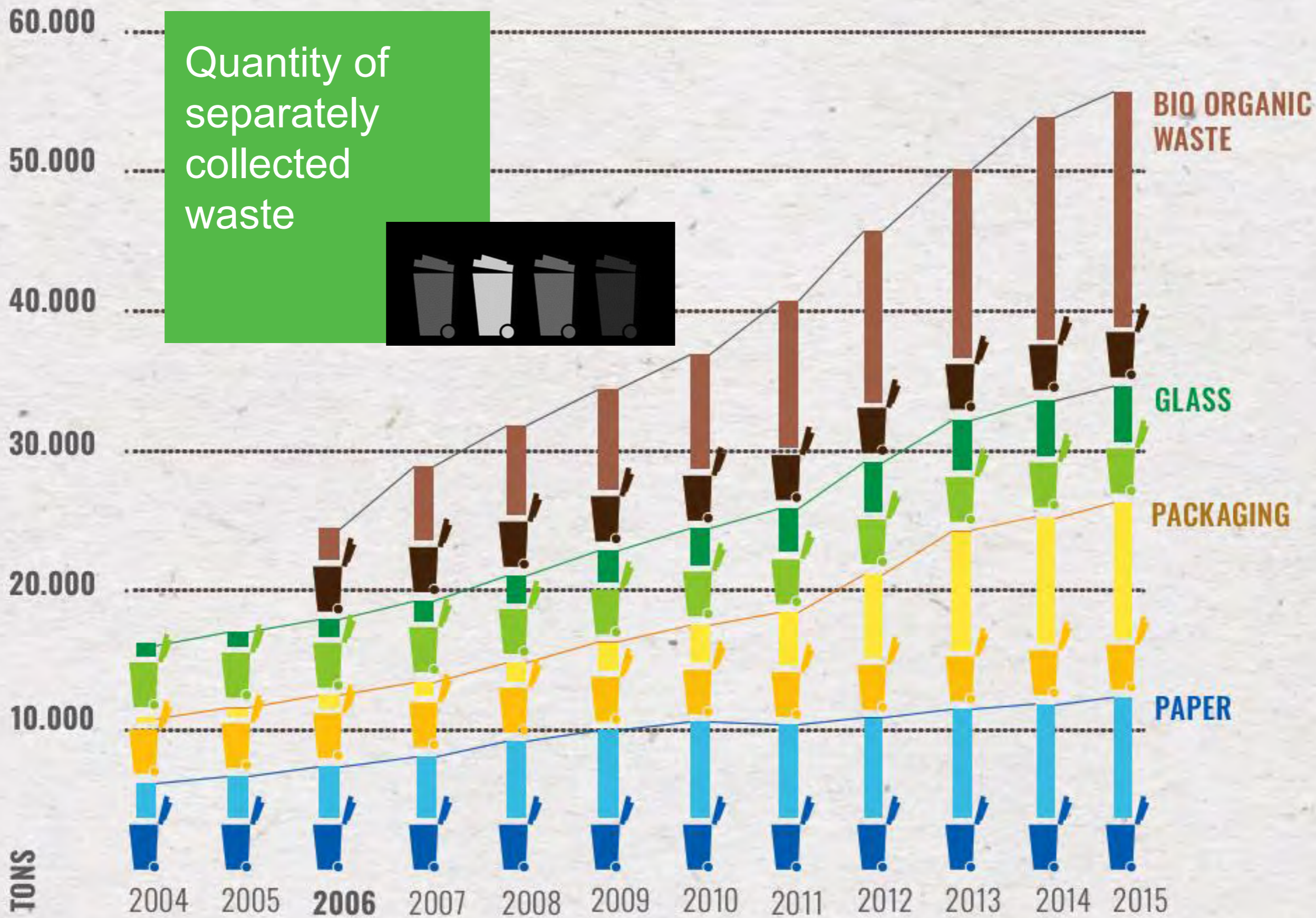
**In 2015 we
separately
collect 65%
of waste!**



Ljubljana is an
EU capital with
the largest share
of recycled waste

2015 analysis made by independent research institutes from Copenhagen and Munich commissioned by the European Commission showed that Ljubljana achieved **the highest share of separately collected waste.**

According to the study, Ljubljana ranked among top three ten times and in the final scale took the first place, followed by Tallinn and Helsinki.



180 KG

170 KG

160 KG

140 KG

120 KG

100 KG

80 KG

60 KG

40 KG

20 KG

Quantity
of separately
collected
waste
(per person)



2004

2006

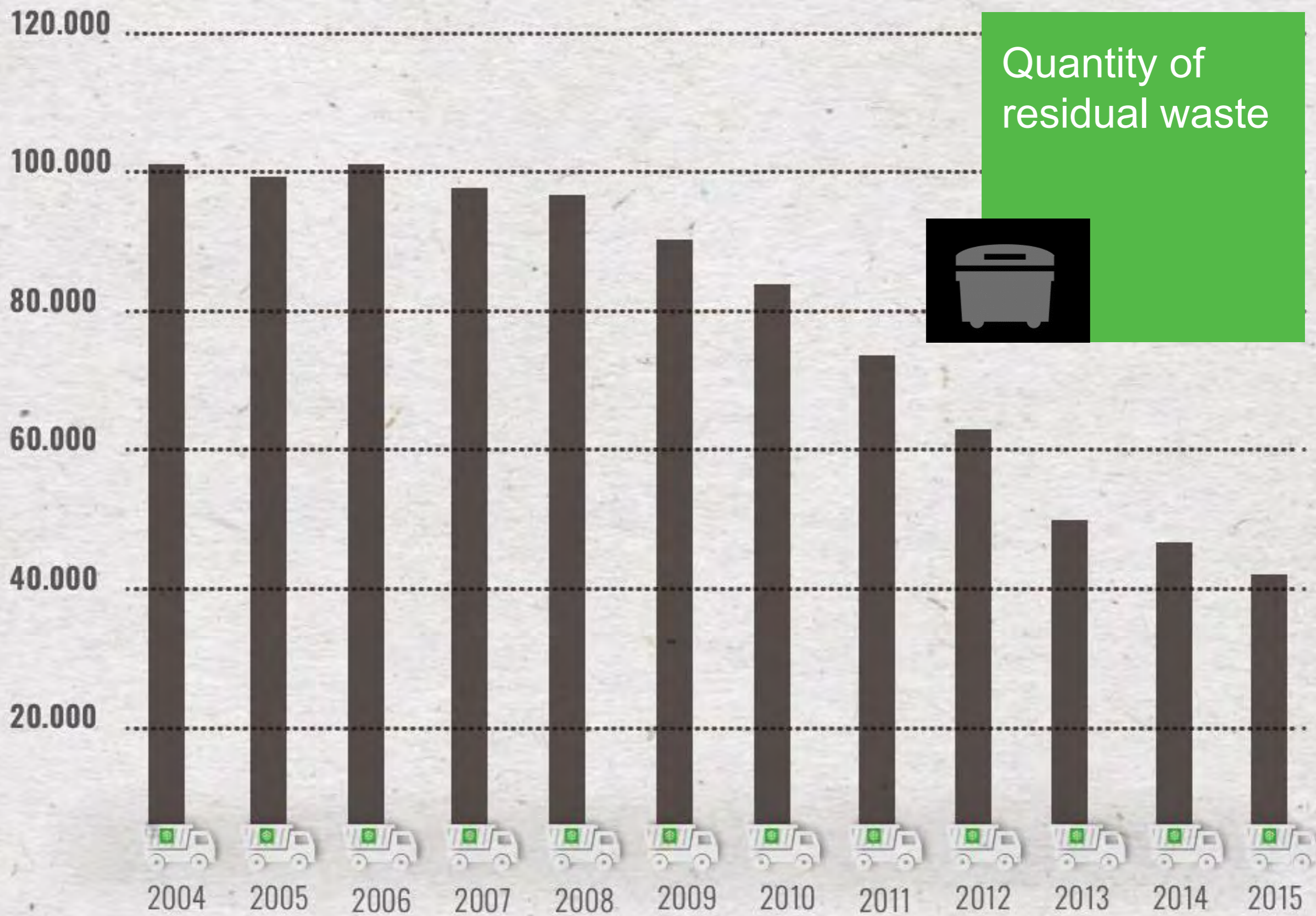
2008

2010

2012

2014

2015



In ten years the amount of separately collected waste has grown from **16 to 145 kg per capita.**

SEPARATELY COLLECTED
WASTE



2004

2014

In December 2014 and 2015 we proved that separate waste collection pays off.

Due to the increased share of separately collected waste and consequently smaller share of landfilled waste Snaga at end of 2014 to all of its users issued a credit note equivalent to the December invoice and at end of December 2015 reduced the payment of December's invoice for 60%.




© BCE ECB EZB EKT EKP 2002

An average
invoice on a
household is
8 € per month.



The Regional Waste Management Centre (RCERO) Ljubljana


The biggest Cohesion fund and
environmental project in Slovenia



The new area for the disposal of non-hazardous waste has been in regular operation since September 2009.



The waste water treatment facility was opened in July 2010.



The construction of the main facilities started in 2014.

The phase 3 of the IV and V disposal fields
for the disposal of non-hazardous waste



The treatment plant for leachate cleansing



MBO: a three-part technological process

The first stage consists of the mechanical separation of mixed municipal waste and the preparation of solid fuel.

The second stage is the anaerobic digestion of the biodegradable fraction extracted from mixed municipal waste with biogas production.

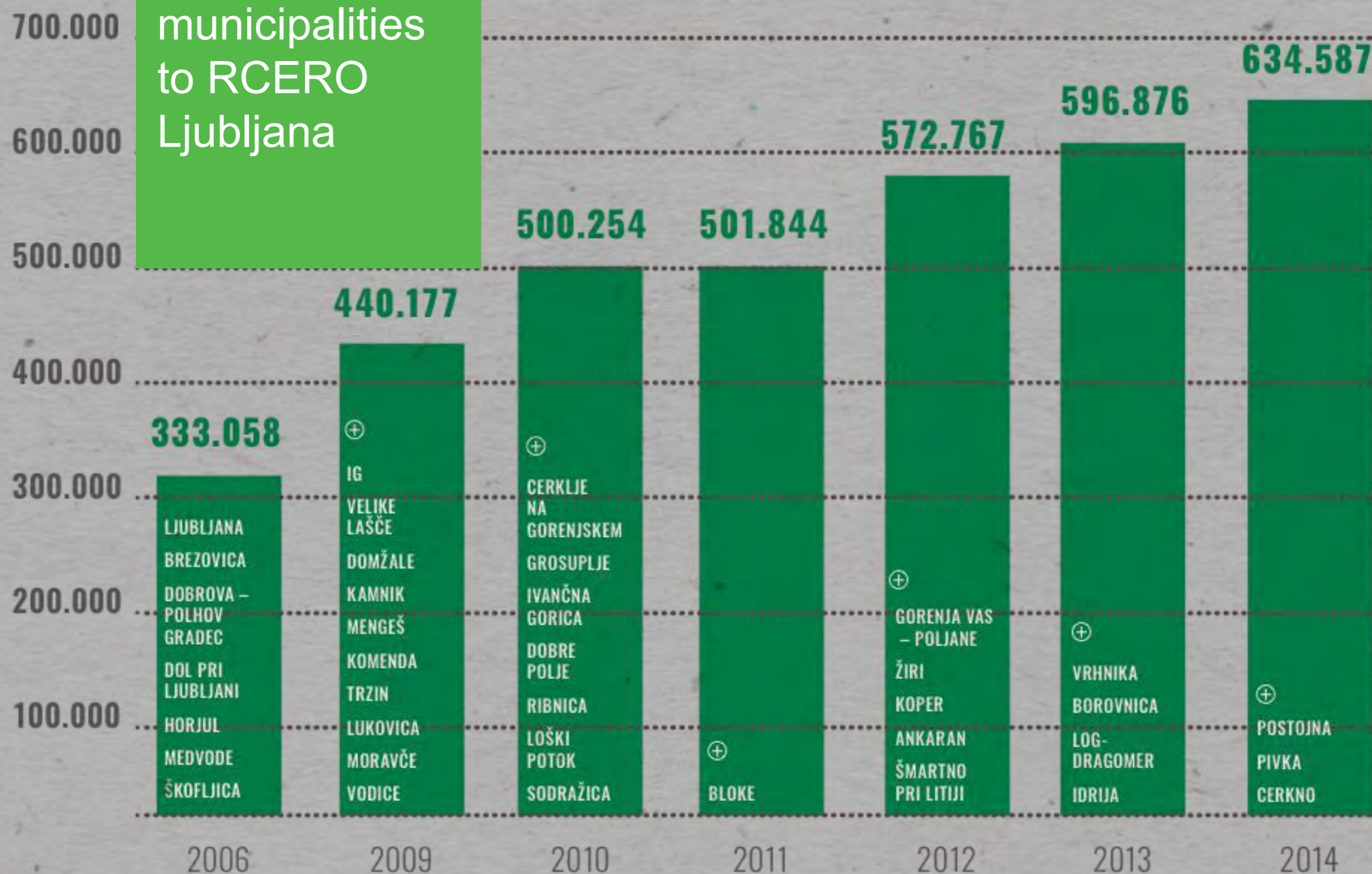
The third stage is the fermentation of separately collected biological waste with biogas production.





**Regional Waste Management Centre
process biodegradable waste and residual
waste of at least 37 Slovenian
municipalities that represent one third of
the country's population.**

Joining of
municipalities
to RCERO
Ljubljana



Financial sources

The Cohesion Fund contributed **65.88%** of the required funding;
14% of funding came from the budget of the Slovenian Government;
10.11% of funding was obtained from environmental taxes for pollution of the environment caused by waste disposal;
10% from the budgets of the investor and co-investor.







1 – reception of mixed municipal waste 2 – mechanical treatment 3 – reception of separately collected bio-waste 4 – biological treatment (three fermenters) 5 – bio-waste pretreatment 6 – biological treatment (stabilisation) 7 – composting (maturation process) 8 – solid recovered fuel (SRF) storage facility 9 – biogas holder

Mechanical-biological facilities for waste processing

1. Treatment of mixed household **residual waste** and waste from small businesses, service activities, etc.; 150,000 t/year.
1. Treatment of separately collected **biodegradable household waste**; 21,000 t/year.

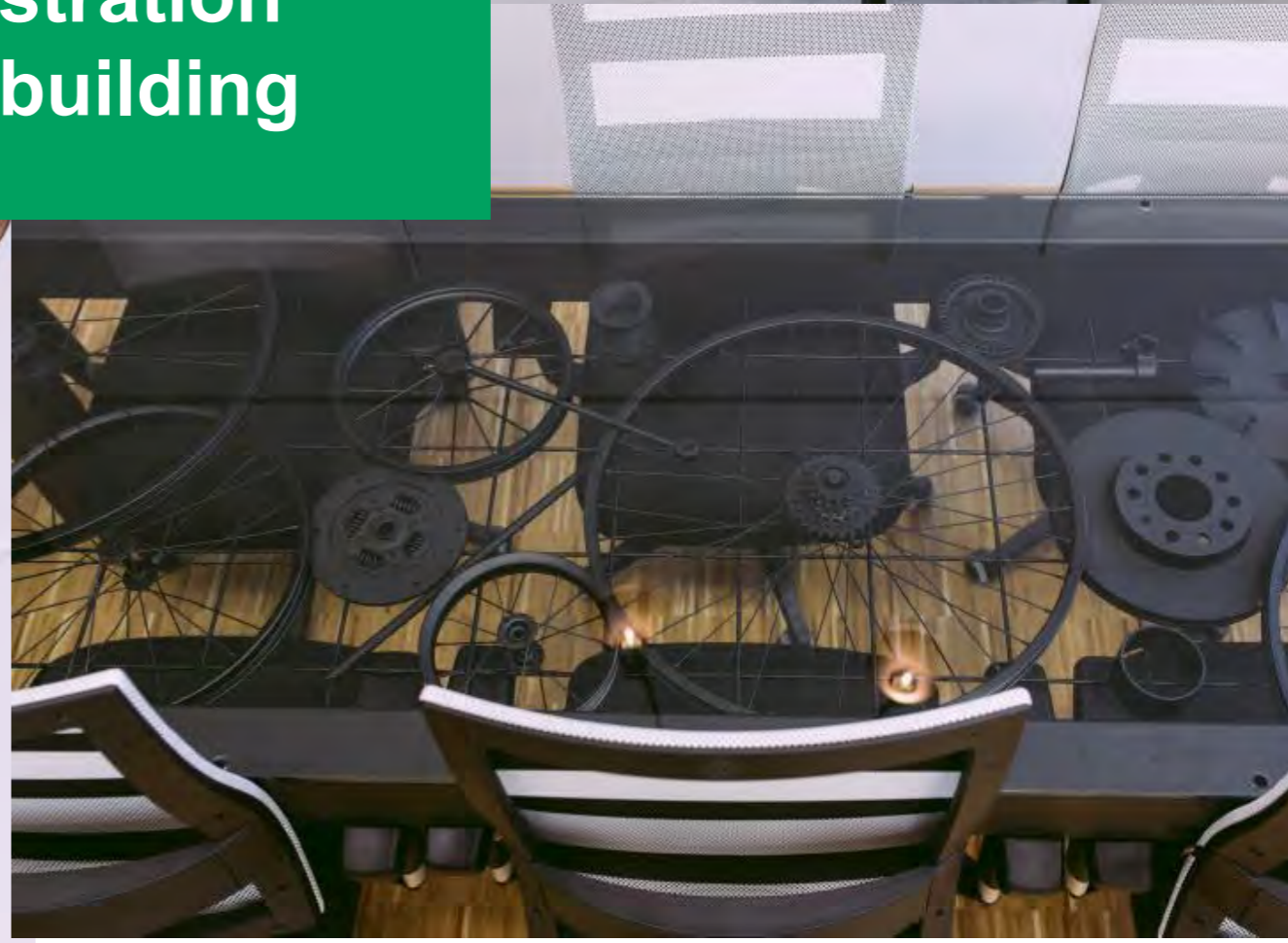


60,000 tons of solid fuel from waste of different calorific values,
35,000 tons of digestate following the anaerobic treatment of the heavy fraction of mixed municipal waste,
6,000 tons of wood, **7,000 tons** of compost following the treatment of separately collected organic biodegradable waste,
25,000 tons of sorted secondary raw materials,
17,000 MWh of electric energy and **36,000 MWh** of heat energy from biogas produced in the process



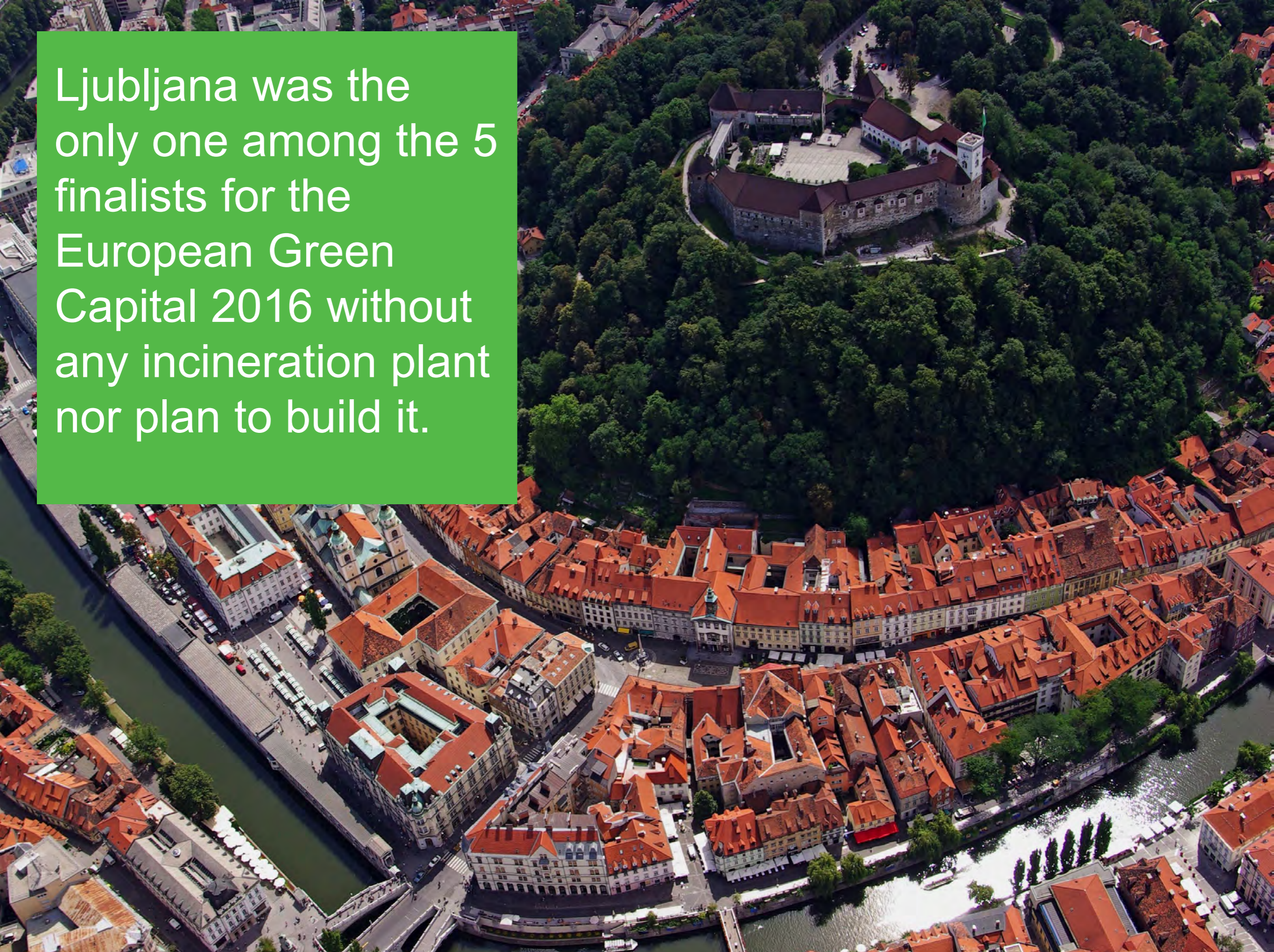


Interior of
the admini-
stration
building



How to turn disadvantages
into advantages?

Ljubljana was the only one among the 5 finalists for the European Green Capital 2016 without any incineration plant nor plan to build it.





**First European capital
to move towards**

ZERO WASTE

LJUBLJANA

winner 2016



EUROPEAN
GREEN CAPITAL

*An initiative of the
European Commission*



What does Zero waste strategy actually mean?

The local community is strengthening the first three priorities in waste management and introducing **Re-design.**

The future?



ZW goals until 2025

- Raising the recycling rate to **75%**.
- Reduce the annual amount of **residual waste** per inhabitant from 117 to **60 kilo**.
- Decrease the amount of **landfilled waste** to
- **30 kilo** per inhabitant.





CSR campaign

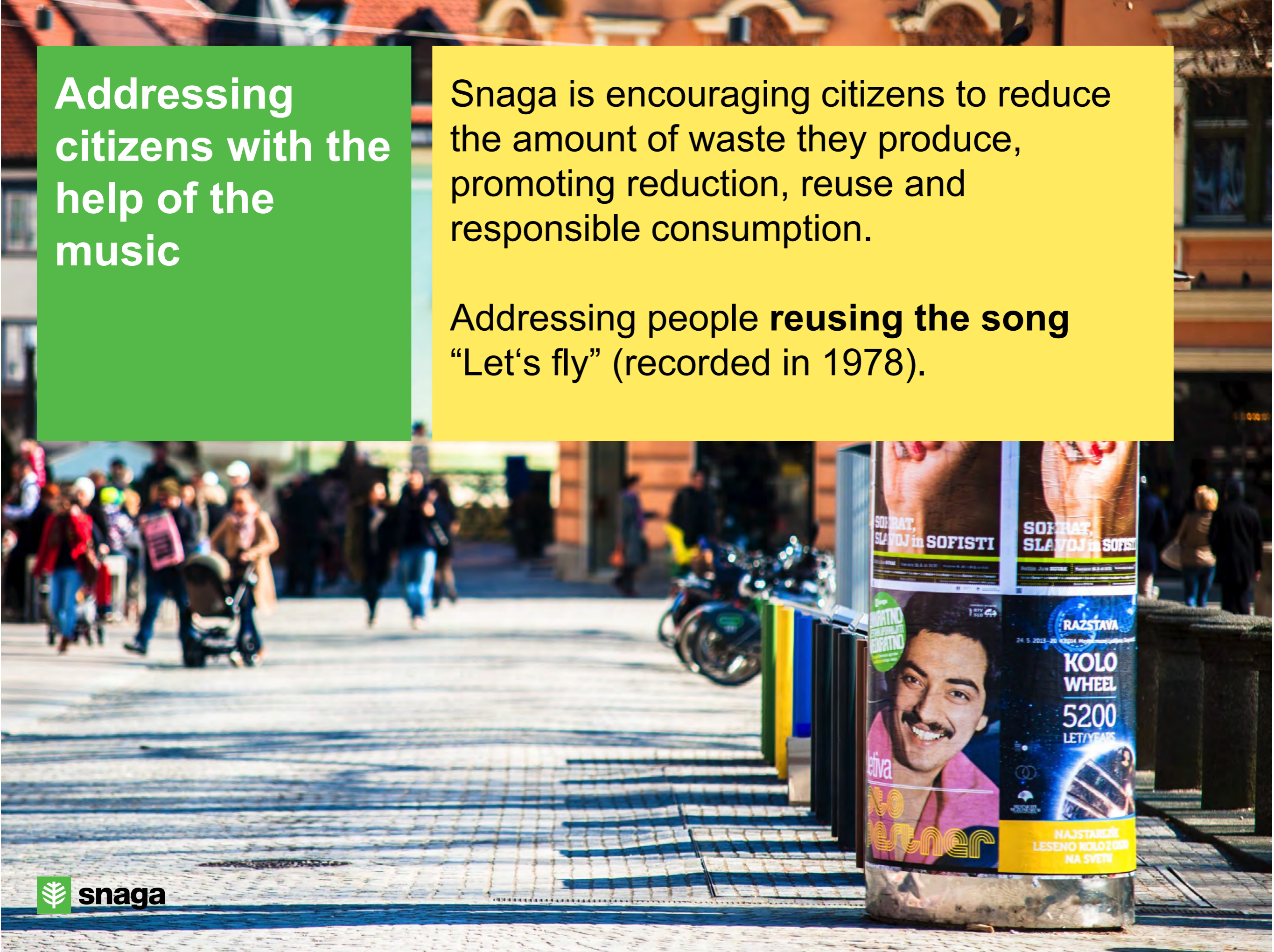
Get Used To Reuse



Addressing citizens with the help of the music

Snaga is encouraging citizens to reduce the amount of waste they produce, promoting reduction, reuse and responsible consumption.

Addressing people **reusing the song** “Let’s fly” (recorded in 1978).




The Slovenian Advertising Festival (SOF) 2014 has presented the initiative with two awards, one of them being the award for comprehensive advertising campaign





CSR campaign
**Raise Your Voice Against
Food Waste**



The main reason behind the problem:
our relation to food and how to change it.

The aim of the initiative is to **change the relation and perception of food** so that it will again become an important value and thus reduce food waste.

A different approach

The initiative addresses the problem of food waste by giving voice to dustbins.

05000210

snaga



Dustbin protests

Dustbins protesting:

- in the city centre,
- in parks,
- in all Ljubljana's markets,
- at local community events ...







CSR campaign
**Together For
A Better Society**

Public service companies need to be a **role model** when it comes to changing consumer behaviour.

In order to involve all public service companies Chamber launched a campaign **Together for a better society.**

SKUPAJ ZA BOLJŠO DRUŽBO



SLOVENSKA KOMUNALNA PODJETJA

CSR campaign
**Responsible and ethical
consumerism**

In 2016 Snaga is planning to open an alternative shopping centre in the heart of the city

The first Slovenian shop without packaging, rental shop and multipurpose coffee shop – enabling sustainable consumer experience in one place.



**WE HAVE LEARNED HOW IMPORTANT
PATIENCE AND PERSISTENCE ARE.
OR LIKE EINSTEIN SAID ...**

**IT'S NOT THAT I'M SO SMART, IT'S JUST
THAT I STAY WITH PROBLEMS LONGER.**





www.snaga.si

www.mojiodpadki.si

www.ponovnauporaba.si

 /SnagaLjubljana

 /Snaga_reuse





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