

Ecovidrio, a unique model

NAME
POSITION
ORGANISATION
DATE, 2020

ecovidrio
ENTIDAD SIN ÁNIMO DE LUCRO

Reciclar hoy, construir el mañana.

Table of contents

01

About us

02

Our results

03

Our areas of action

04

Commitment
to the future

05

Conclusions



About us

01. About us

Glass packaging. Circular economy

01

NATURAL ORIGIN

02

INERT MATERIAL

03

100% RECYCLABLE



04

MANUFACTURED
USING RECYCLED
GLASS

05

GLASS NOT FOUND
IN LITTER

06

REUSED PACKAGING
IN HORECA

01. About us

Recycling chain

Our functions

01. Committed citizen and HORECA professional

We design awareness campaigns aimed at the citizens and the HORECA sector.

02. Collection and transport

We carry out containerization, selective container collection, collection in urban waste plants, additional *ad hoc* collections, intensive collection operations in the HORECA sector.

03. Glass treatment

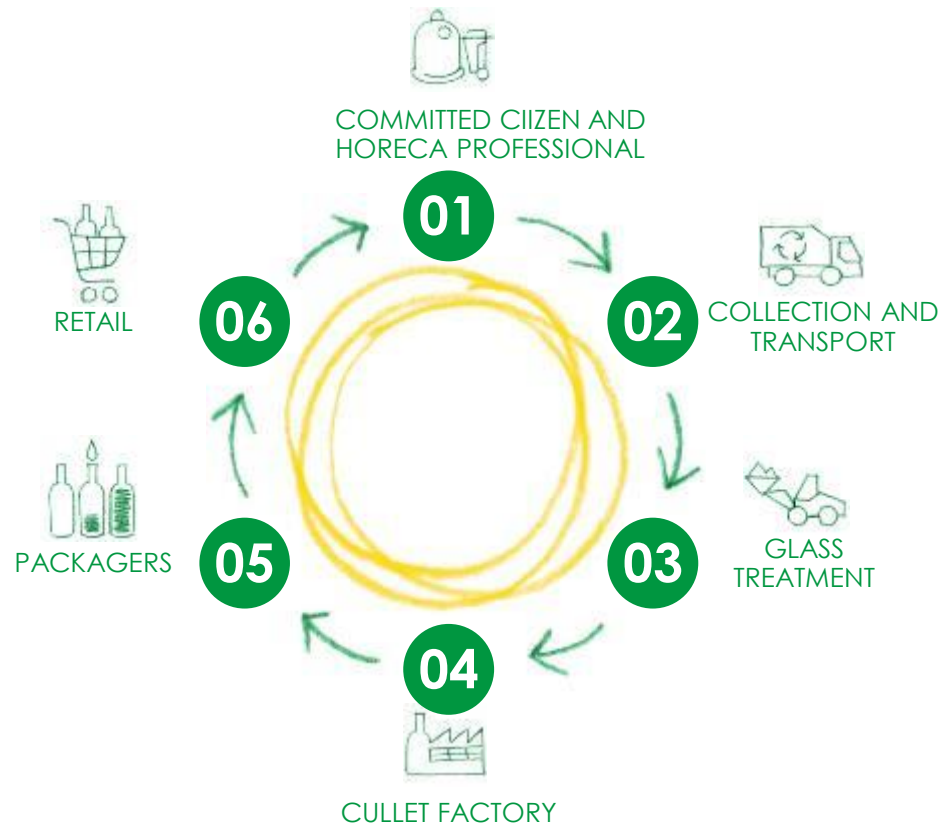
We monitor treatment operations to obtain cullet under the principles of sustainability, efficiency, effectiveness and traceability.

04. Cullet factory

We sell material to glass manufacturers for its reincorporation in the production process as a secondary raw material.

05. Packagers

We guarantee regulatory compliance and design prevention and eco-design programmes.



We manage all single-use
glass packaging waste throughout the country

01. About us

A unique management model

01 Universality

We manage all kinds of packaging throughout the country.

02 High quality selective waste collection

We manage recycling through **monomaterial containers**, thereby guaranteeing maximum quality (**only 2% impurities**).

03 Direct management of collection

In **60% of Spanish municipalities**, Ecovidrio is directly responsible for the collection of glass packaging waste (no cost for the municipalities).

04 Versatility

We adapt the collection management model to the needs and characteristics of the municipality.

05 Focusing on horeca sector

We develop specific programmes for the sector, which generates 52% of recyclable glass packaging waste.

06 Governance and transparency

We foster sustainability in the recycling chain.



01. About us

Financing

24%
SALES OF
CULLET



76%
CONTRIBUTION
FROM GREEN DOT
FEES



8,237
packaging
companies

The main financing sectors are:



2022

Our results

02. Our results

Key figures 2018

SELECTIVE COLLECTION AT GREEN CONTAINERS



896,450

TONNES OF
GLASS PACKAGING

▲+6.6%
vs 2018

19 65

KILOGRAMS
PER INHABITANT

PIECES OF
PACKAGING
PER INHABITANT

▲+30%
INCREASE
in the last 5 years

COLLECTION THROUGH 19 MBT PLANTS



62,275

TONNES OF
GLASS PACKAGING

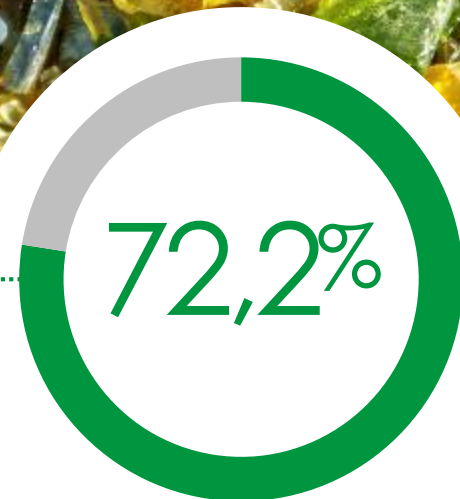
▲+16%
vs 2018

(Representing only 5%
of overall tonnage)

02. Our results

Glass packaging recycling rate 2017

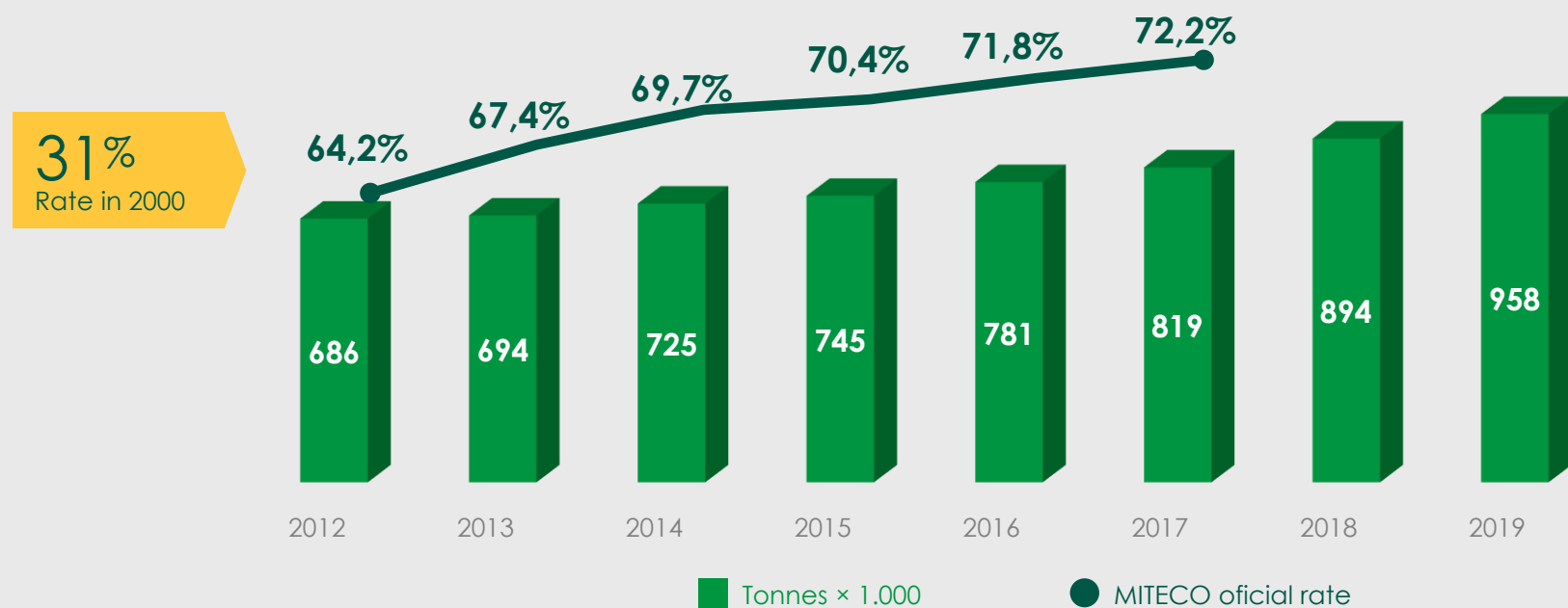
OFFICIAL RATE
MITECO
(MINISTRY OF
ENVIRONMENT)
2017



In Spain, more than 7 in every 10
pieces of single-use glass packaging
on the market are recycled

02. Our results

Trend in glass packaging collection and recycling rate



02. Our results

Why do we recycle?

SUSTAINABLE DEVELOPMENT GOALS



CIRCULAR ECONOMY AND COMBATING OVER-EXPLOITATION OF RESOURCES

PREVENTING EXTRACTION

1,150,470

TONNES OF
RAW MATERIALS

Equivalent to

3 TIMES

the weight of
the Empire State
Building

THE FIGHT AGAINST CLIMATE CHANGE

PREVENTING EMISSIONS

556,061

TONNES OF
CO₂ IN THE
ATMOSPHERE

Equivalent to

Travelling by plane Spain-
Australia

+100,000 TIMES

ENERGY SAVINGS

684,721

MEGAWATT-HOURS
OF ENERGY

Supplying all the
hospitals in Spain

2 MONTHS



Action plans

03. Action plans

Containerization



5,931

NEW
CONTAINERS
IN 2019

230,950

TOTAL
CONTAINERS

1



EACH
204

INHABITANTS

Spain, one of the most
containerized countries
in Europe

03. Action plans

Selective container collection



**Direct
management**
at zero cost

01

60%
SPANISH
MUNICIPALITIES



40%
SPANISH
MUNICIPALITIES

02

**Financing the full
cost of collection**

We are already working on implementing
the 2021 Strategic Collection Plan!

03. Action plans

Selective container collection. Direct management

Trust in our direct collection...



...And almost 5.000 more municipalities

Our results speak for themselves

4

of the 5
capitals

42kg/hab

SAN SEBASTIÁN

30,7kg/hab

PAMPLONA

23,9kg/hab

PALENCIA

23,9kg/hab

BILBAO

MOST RECYCLER SPAIN HAVE DIRECT
MANAGEMENT

AVERAGE
RECYCLING
by cities
with direct
management

▲+12%

higher than the average
managed by local bodies
(19,3 kg/inhab by Ecovidrio
vs 17,2 kg/inhab local body)

03. Action plans

Collection in MBT plants

The collection of glass packaging waste in MBT plants is an innovative and pioneering Ecovidrio project that is unique in Europe

2019
19
INSTALLATIONS
IN USE
(3 new)

New facilities:
Lorca, Mataró, Elche

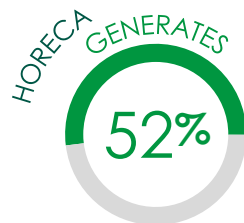
2020
2
NEW
PROJECTS

Guadassuar (Valencia),
Manises (Valencia)

5% OF TOTAL
TONNAGE
RECYCLED
BY ECOVIDRIO

03. Action plans

Intensive operations in the HORECA sector



OF SINGLE-USE
GLASS PACKAGING
on the market

1 establishment
GENERATES
EVERY DAY

23 PIECES OF
PACKAGING
on average



How do we do it?

01

Starting up door-to-door collection services.

02

Distributing special adapted resources to facilitate and improve the safety of large volume recycling.

03

Working with local agencies in the correct execution of municipal by-laws.

04

Strengthening infrastructures and manufacturing special containers for the sector.

05

With the implementation of intensive programmes at high consumption events.

06

Studying needs for containerization or designing new collection routes.

07

With incentivisation and awareness campaigns.

03. Action plans

Intensive operations in the HORECA sector

Annually:

13%

Total of the
HORECA
programme

WE VISIT
63,629
stablishments

WE DELIVER
28,030
adapted
bins

WE PROVIDE
49
door-to-door
services

WE ANSWER
19
daily requests
by



DID YOU KNOW THAT...

In Spain there are
10,700
adapted containers

An Ecovidrio innovation, 2005



03. Action plans

Intensive operations in the HORECA sector

3 success stories



DOOR-TO-DOOR MADRID

BIGGEST DOOR-TO-DOOR
FOR HORECA IN SPAIN

Central Zone, Salamanca District and Vallecas

+157%
▲ INCREASE IN
SELECTIVE
COLLECTION

+450
BUSINESSES
SIGNED UP
TO THE PROGRAMME



SUMMER PLAN GREEN FLAG MOVEMENT

INTENSIVE SEASONAL PLAN
REINFORCEMENT FOR CONTAINERIZATION
AND COLLECTION ROUTES

131
coastal
municipalities

15,000
coastal bars and
restaurants

40,000
visits in
3 months

+11%
▲ average rise in
collection



JOINT ACTION LOCAL GOVERNMENT

IMPLEMENTATION
MUNICIPAL BY-LAWS

155 Spanish local council teams
Information campaign on municipal
legislation, strengthening resources, adapting
routes, compliance audits
in 27,000 businesses.

CONVERSION TO
RECYCLERS **60% → 98%**

03. Action plans

Awareness campaigns. Strategy

01 Targets

- **Mobilisation of** the citizens and the HORECA sector.
- **Raising awareness** and changing habits.
- **Generating** a quality reputation for Ecovidrio.

02 Strategy

- **Effectiveness** in management.
- **Strategies which emphasise** our uniqueness.
- **Seeking relevance through memorable**, motivating, inspiring and aspirational messages.
- **Using our own resources** (containers, minigloos) and acquiring external resources.
- **Building emotional** connections.
- **Establishing links** with local agencies.
- **Using well-known**, *branded digital content*.
- **Building communities** (Ecólatras/Ecosabios) engaged with the environment to mobilise others.



03. Action plans

Mobilisation

TARGETING

young people,
children and the
general public

284

AWARENESS-
RAISING
CAMPAIGNS
A YEAR

193

LOCAL
CAMPAIGNS
at fairs, festivals
and times of
high consumption

+425,000

CHILDREN
EDUCATED
IN 2019



+92,000

MINIGLOOS IN
SPANISH
HOMES

+440,000

FOLLOWERS ON
SOCIAL MEDIA



#ecólatras
ecovidrio

+500

ENVIRONMENTAL
INITIATIVES

created by our followers

+70,000

ACTIVE
USERS

#ecosabios by ecovidrio
Los mayores RECICLADORES

PROJECT
LAUNCH

First sustainable
volunteer programme for
over 60s

73.5%

SPANIARDS
COMMITTED
TO RECYCLING
(source GFJ tracking)

03. Action plans

Some examples

ARCO
2019



Recycle
for them



NBA recycled-glass
basketball court



Ecomeninas



Glass
for roscón



Callao giant
container



Ecowoman



ecovidrio
ENTIDAD SIN ÁNIMO DE LUCRO

04. Action plans

Treatment and sale of material

01

Traceability and transparency

- We monitor and certify input and output flows.

02

Efficiency and quality

- We conduct technical studies and propose measures for reducing losses.
- We implement material quality protocols.

03

Innovation in sources and processes

- We conduct studies on other sources of recycling for other uses when the waste quality is not suitable for new packaging.

04

Sustainability

- We study and promote the implementation of available technical improvements and good market practices in Europe.
- We propose programmes and work towards the minimum possible waste in glass recycling.

05

Sale

- We are responsible for ensuring a transparent, public and open sale process.

WE WORK
with **12**
GLASS
TREATMENT
PLANTS

located throughout Spain

03. Action plans

Prevention

01

We promote the production of more sustainable packaging and reduction of waste generated.

02

Over 100 measures proposed to improve packaging, such as: reuse of packaging, waste reduction and increased use of recycled material.

03

In drafting new programmes for 2020-22 in line with new European demands.

2017-2019

THREE-YEAR
PREVENTION PLAN

..... 266
COMPANIES
SIGNED UP



03. Action plans

Sustainability



01

We implement transparency, traceability and information programmes for all target publics.

02

We establish compulsory codes of ethics, both internally and for suppliers. We provide reporting channels.

03

We include ESG sustainability criteria in our outsourcing terms and conditions, for both collection and manufacture of containers.

04

We promote the best available techniques for the glass packaging treatment and recycling phase.

05

We have commitments in reuse, eco-design and recycling of containers and infrastructures.

06

We have ISO 27000 certification and renewed policies for: corporate responsibility, quality, safety and the environment, responsible communication, and fund management.

07

We carry out analysis and improvement in corporate governance.

08

We associate our awareness campaigns with local community development programmes.

03. Action plans

Innovation



CENTRE FOR INNOVATION IN WASTE MANAGEMENT

- We have set up an **observatory of initiatives and trends** in waste collection.
- We share these new ideas with local agencies through **specialist conferences** and **web platforms** offering the best practices.



BUSINESS INTELLIGENCE

- We implement pilot programmes with **technological applications for weighing and data transmission scales** per container and container geolocation.



NEW SOURCES OF RECYCLING

- We collect packaging waste in 19 automatic MBT plants.
- We promote **micronisation in the process** as an additional source.
- We develop **applications for construction from the recovery** of glass packaging waste when the material is not suitable for packaging.



CONTAINERS

- We study **eco-design measures for containers** using natural resins to minimise their environmental impact at source.
- We carry out **reuse, repair and recycling programmes for unused** containers.
- We **innovate with new industrial applications** for recycled material from containers.
- We seek **applications** for CO₂ absorption.

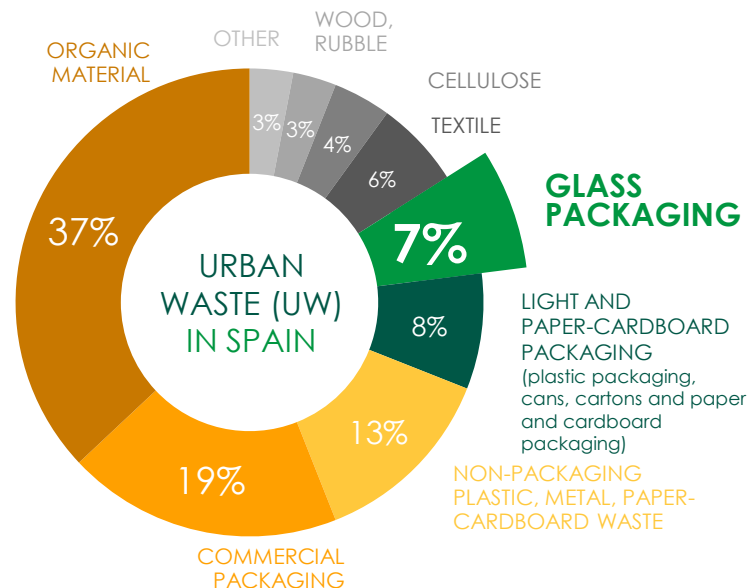
04

Commitment to the future

04. Commitment to the future

Europe sets the direction

	2025	2030	2035
RECYCLING OF MUNICIPAL WASTE	55%	-	65%
RECYCLING OF GLASS PACKAGING	70%	75%	-
INTERNAL ECOVIDRIO TARGETS	+85%	+90%	+95%



04. Commitment to the future

And what about us? What we work on



Levers

- 01** Intensive support for HORECA.
- 02** Continuing to donate containers.
- 03** Continuing to foster social awareness campaigns.
- 04** Encouraging direct management.
- 05** Highlighting areas with the least implementation: Andalusia and Extremadura.
- 06** Improving gathering and analysis of information on collection management.
- 07** Improving sustainability of collection and the recycling chain.

04. Commitment to the future

But we can't do it alone. Demands for the government



01

Strong legal basis.

02

Mandatory recycling in large generators, landfill levy and transparency and equal treatment in charges (pay as you throw).

03

Shared responsibility among all agents involved in the recycling chain.

04

Funding of EPR in accordance with our competencies and earmarked for selective collection.

05

Encouragement of environmental education.

06

Generalisation of the collection of other types of urban waste. Such as organic material (37%).

05

Conclusions

05. Conclusions



01

The Ecovidrio public-private partnership model works.

30% growth in the last 5 years.

02

Glass packaging management is a versatile model.

04

Awareness-raising to generate habits.

Ecovidrio continually runs campaigns.

05

We need direct involvement by government.

With measures that encourage local councils and ensure correct waste management.

03

Responsible HORECA, a key lever.

Ecovidrio finances collection and awareness campaigns.

THANK YOU

ecovidrio
ENTIDAD SIN ÁNIMO DE LUCRO