



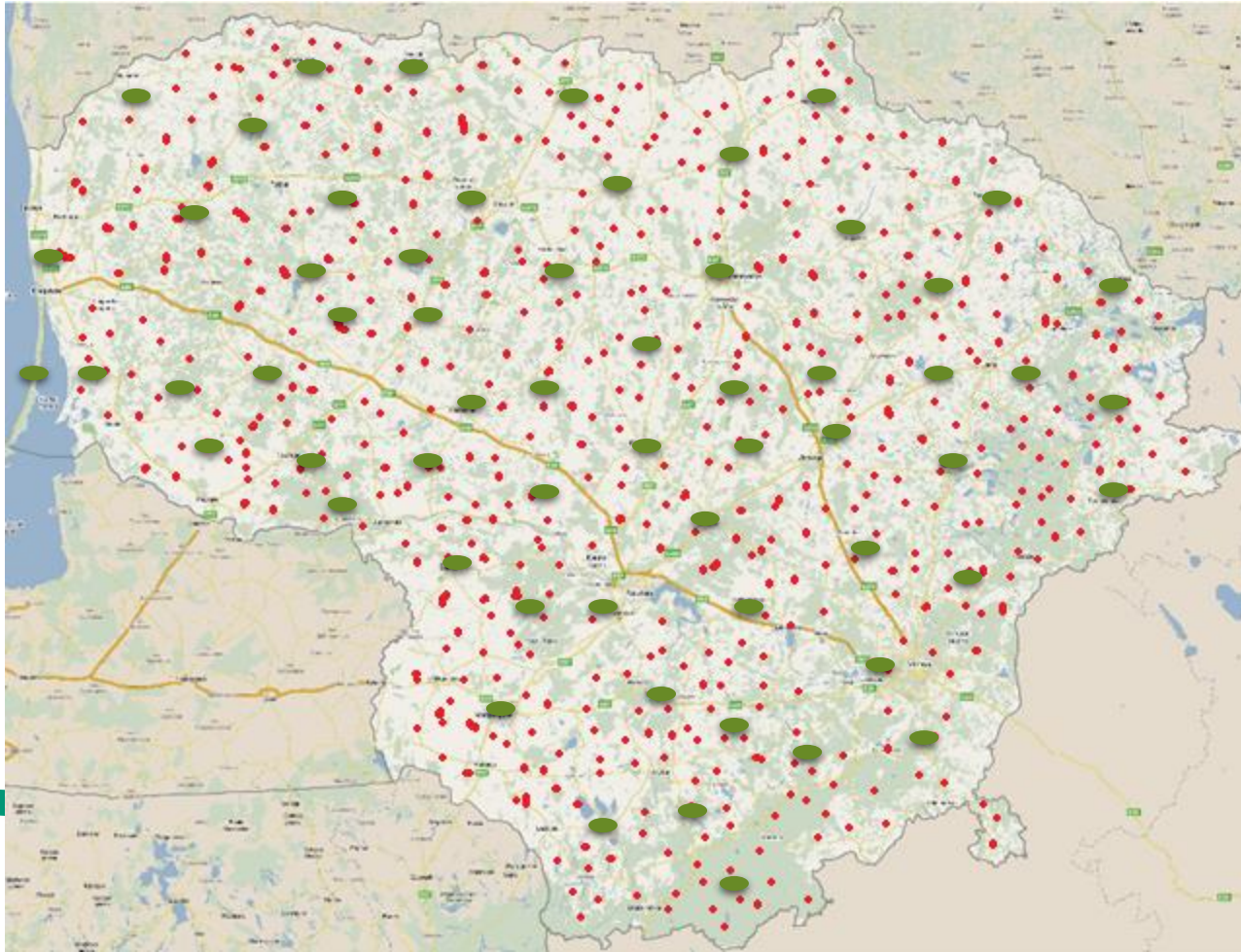
Prevention and management of plastic packing waste in Lithuania

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UNDER THE MINISTRY OF ENVIRONMENT OF THE REPUBLIC OF LITHUANIA

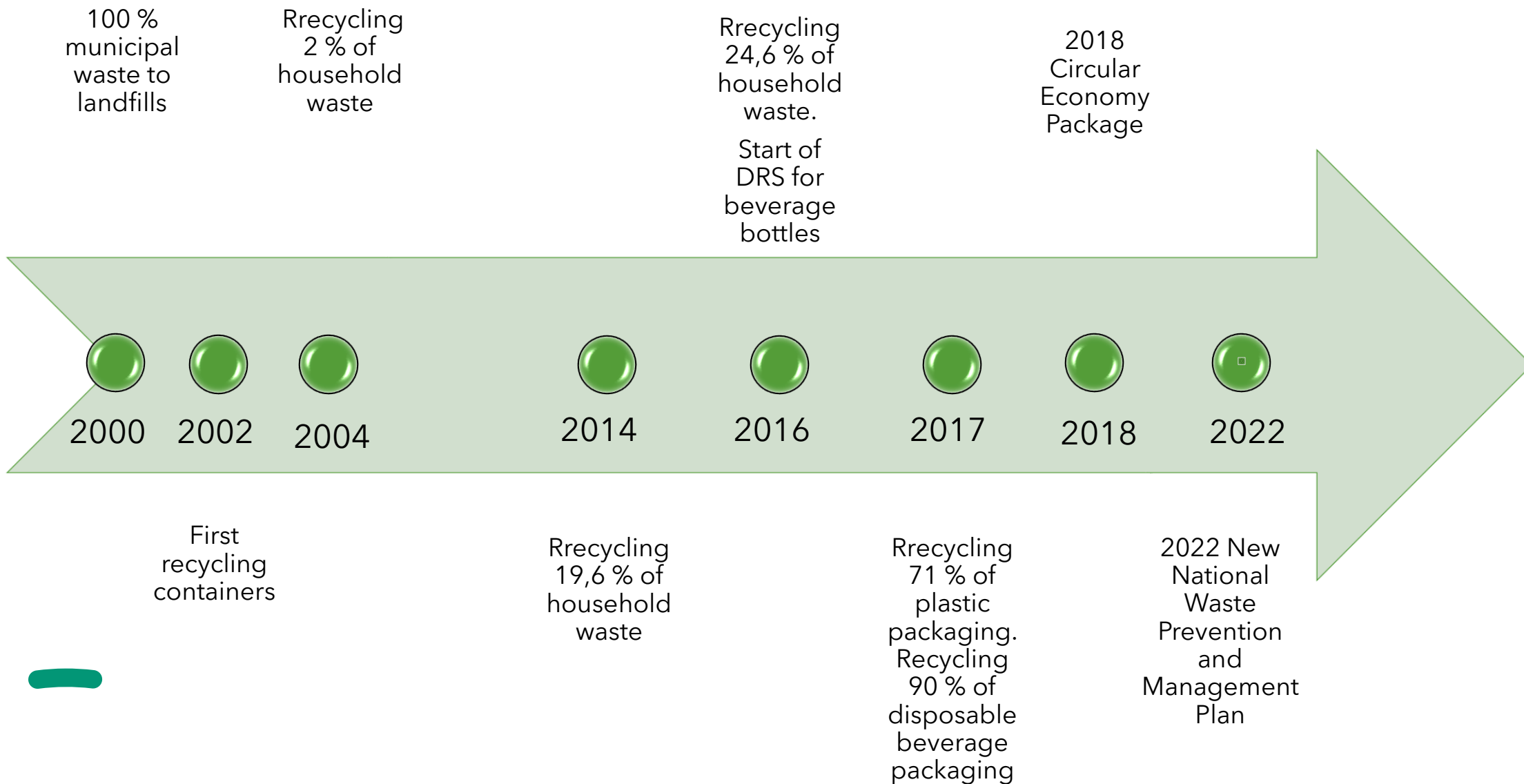


Waste management till 2004

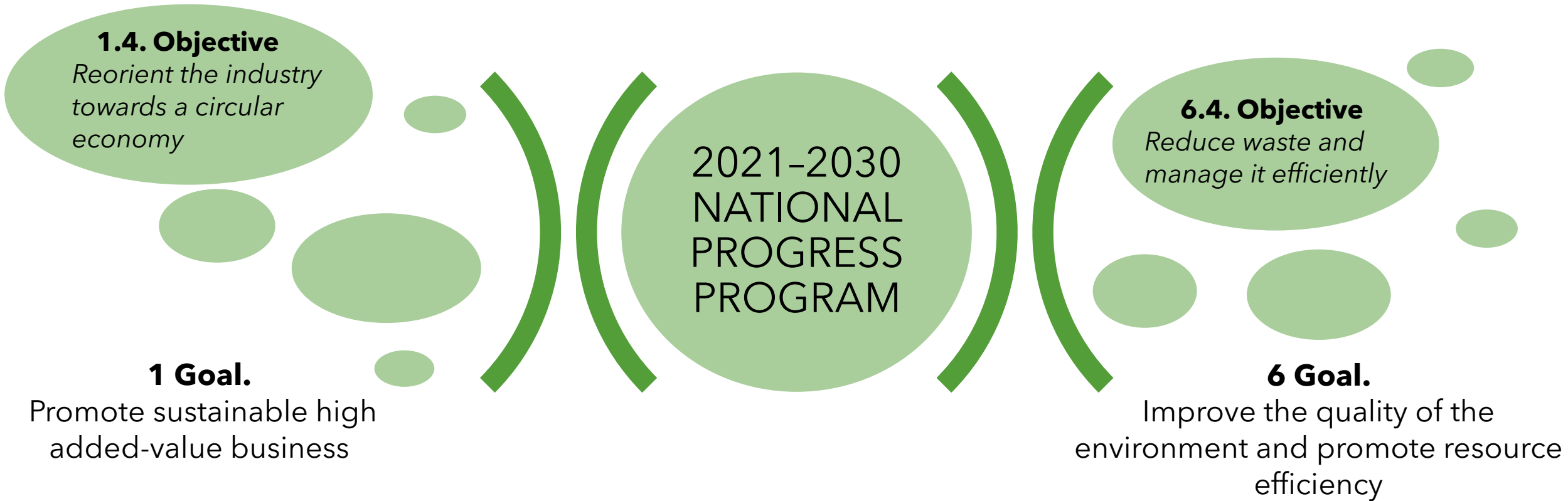


- 790 dumpsites;
- 60 municipal landfills.

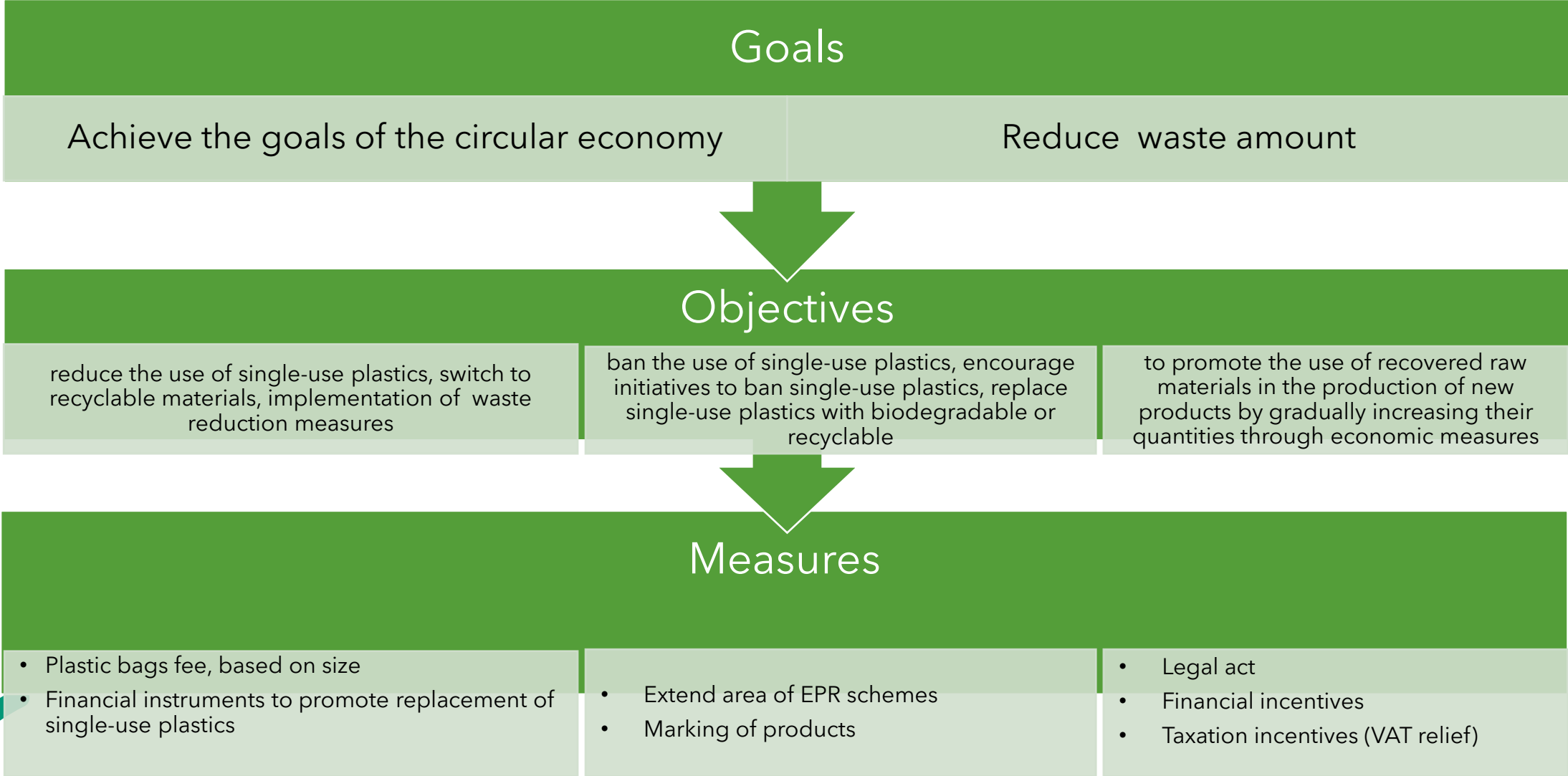




Lithuanian strategic documents relevant to Circular Economy



National Waste Prevention and Management Plan for year 2021-2027



Implementing Measures and Instruments

Administrative
measures

Economic
measures

Information
measures

*Polluter pays
principle*

*Producer
responsibility
principle*

Requirements from Low on Packaging

Prohibition on distributing light weight shopping bags

Plastic bags

PET beverage bottles up to 3 liters:

- 25% recycled plastic till 2025
- 30% recycled plastic till 2030

PET bottles design

- 65 % of all packaging waste till the end of 2025;
- 70 % of all packaging waste till the end of 2030;

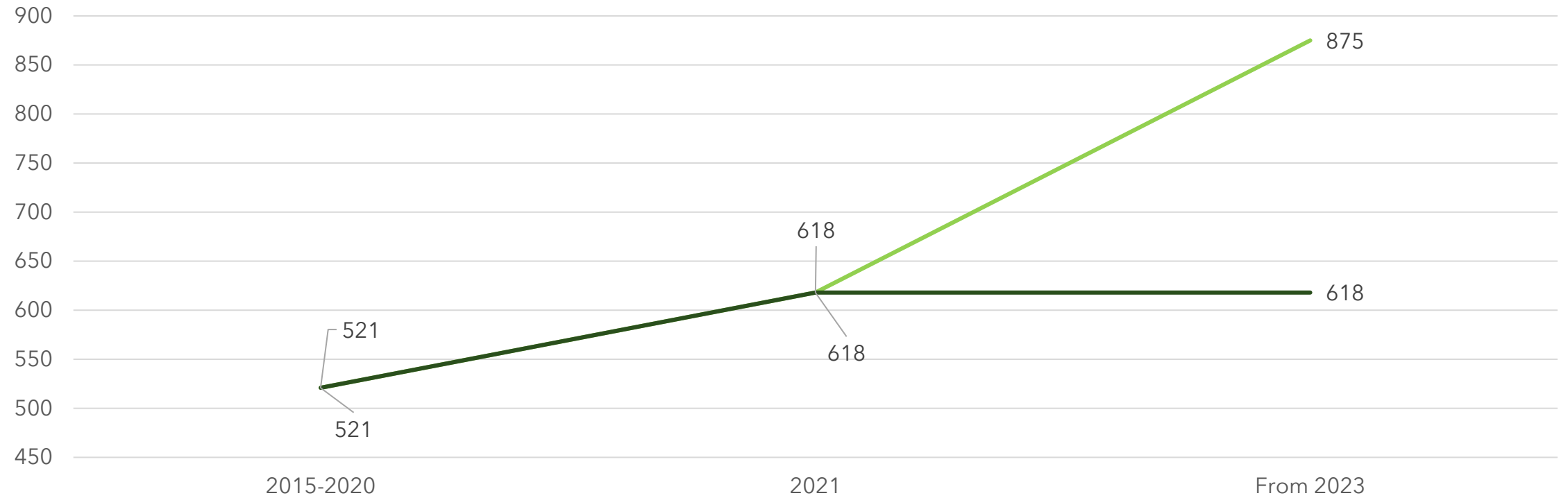
Recycling targets

Requirements for marking of certain types of plastic products

Marking

Eur/tonne


Taxes on environment pollution




*Till 2020 for PET taxes were 579 EUR/tonne

— Single-use plastic, PET

— Long-lived and recyclable plastic, PET



Producer's responsibility

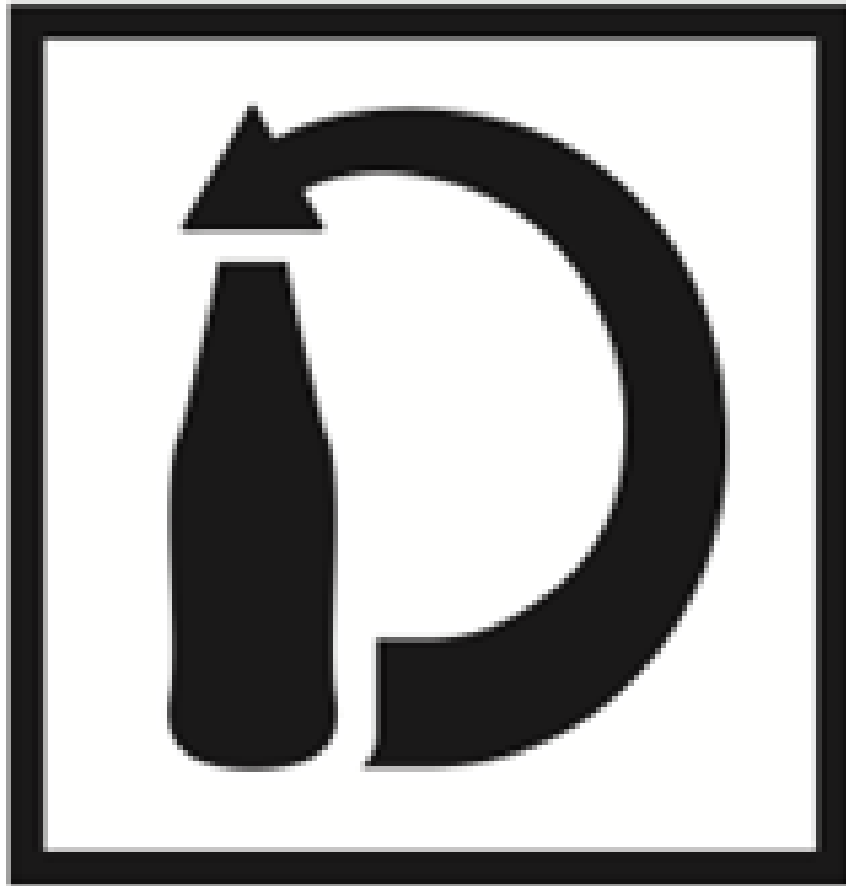
- 3 organizations for packaging (all dealing with plastic)
 - Organize proper treatment - from placing into the market up to the final proper treatment
 - Financing of the PR waste management systems
 - License to organizations - a must
 - Agreements with municipalities - a must (60 agreements)
 - Registration in the State Registry of Producers - a must
 - From 2018 - Unified Product, Packaging and Waste Record Keeping Information System.
- 

Collection of beverage bottles



but ...





Deposit refund system

- Started from 1st February 2016;
- Responsibility of the producers and importers of beverages;
- Now - one administrator of the system (USAD);
- Deposit - 0,10 EUR.
- Used by 98 % of population;

Deposit system scope

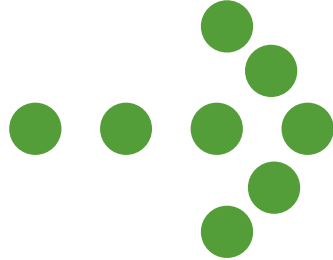
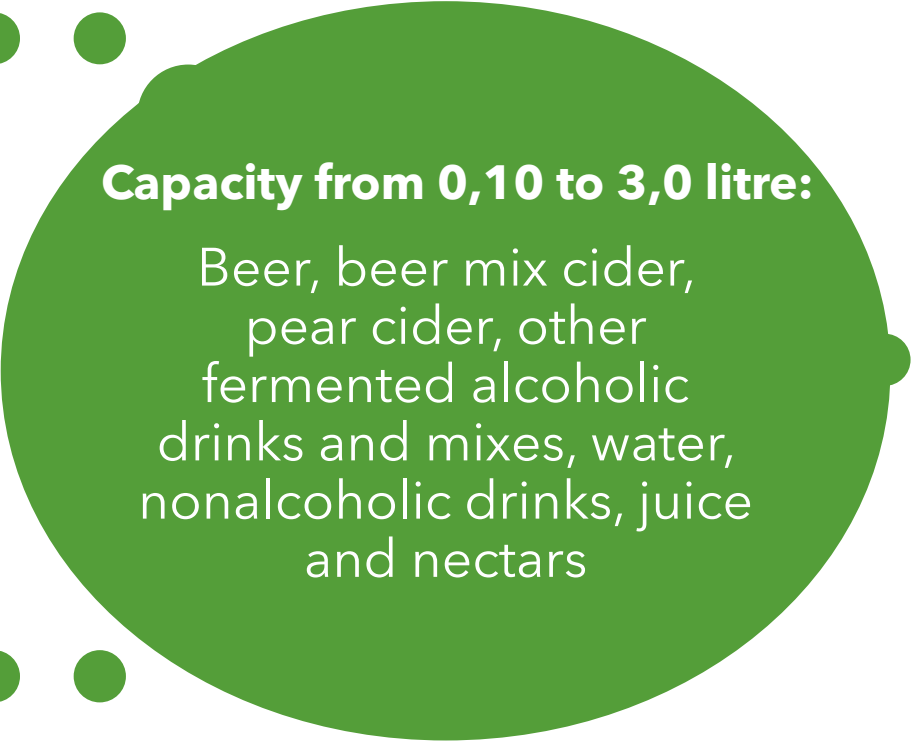
PET



Glass

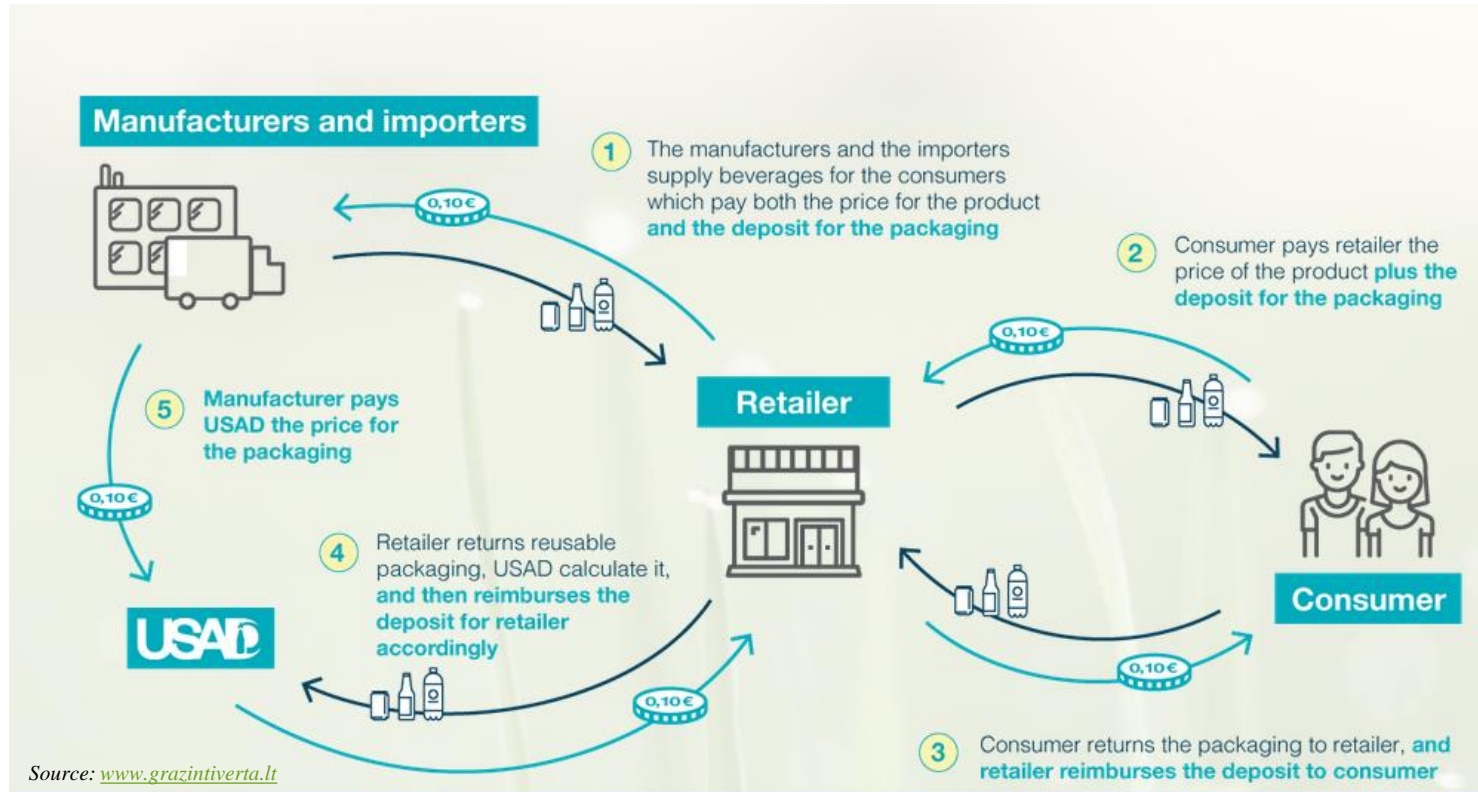


Metal

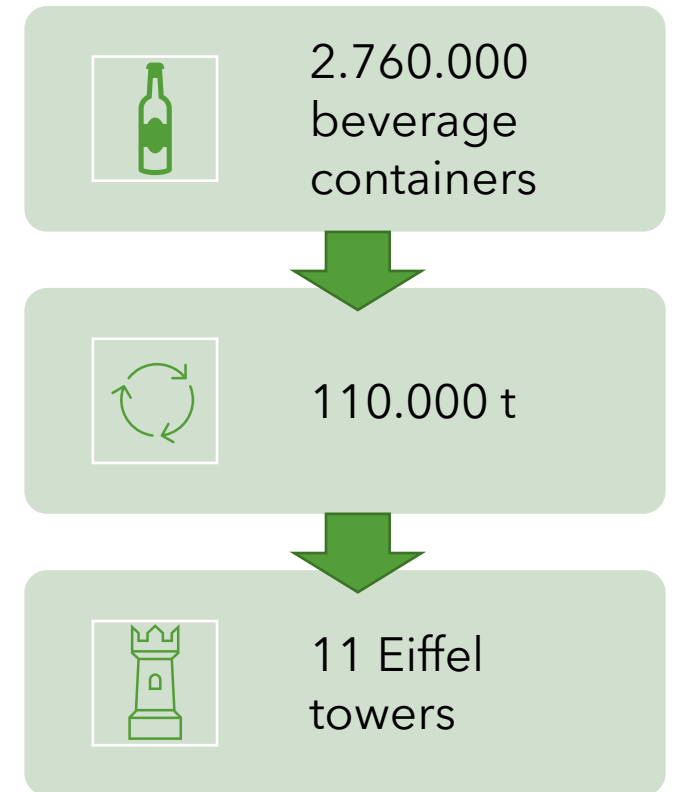


**670 ml.
containers
annually**

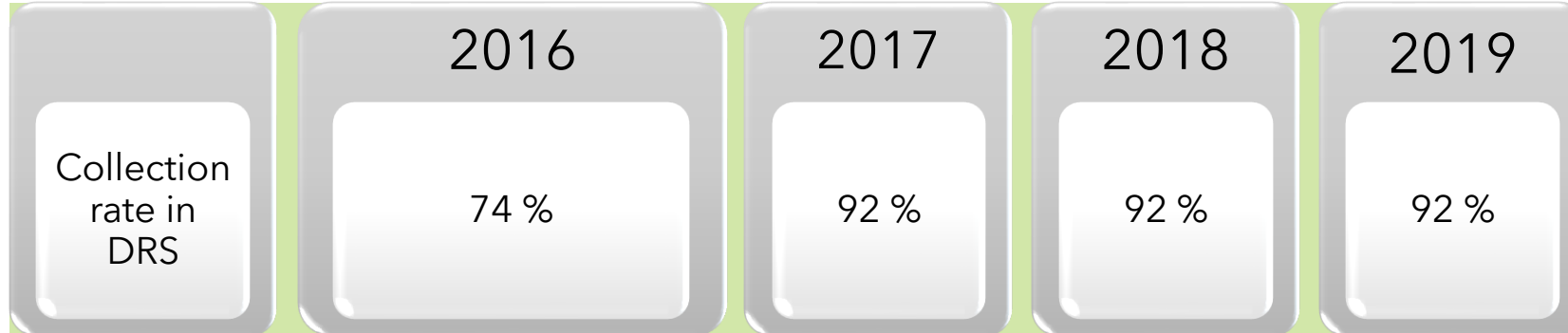
How does it work?



In 5 years



Plastic recycling rate and deposit system



The EC Single Use Plastic Directive

Separate collection of disposable plastic beverage bottles:

- at least 77% from 2025
- at least 90% from 2029

Packaging	• Plastic
Generated	• 83.218 t
Participates in DRS	• 15.3 %
Recycling rate	• 73,8 %
Recycling throw DRS	• 19,2 %

Source: LT EPA

Collection & recycling quality



100% collected materials are recycled



A very high quality of collected materials - clean and well sorted



Easy to recycle back to the bottles and cans

What do consumers think?



95% of consumers answered that they are **satisfied** in general with functioning of the deposit system



92% of consumers indicated that the amount of **garbage** in parks, at lakes and other natural places, visited by people, **decreased** after introduction of the deposit system



97 % of consumers claimed that the deposit system is **necessary**

Recycling rate in EU



ec.europa.eu/eurostat

Source: Eurostat

rPET packaging in the beverage industry

JSC "Doloop" - manufacturer of PET materials and bottles since 1995



87% exports to more than 20 countries worldwide



Uses recycled plastic, bioPET, bio-degradable raw materials in packaging



Can produce up to 80 million bottles per year

rPET packaging in the beverage industry

First 100% recycled PET
bottle in:
Norway (2019),
Sweden (2020),
Finland (2020) with major
brand-owners

Manufactures and supplies
the German market with
blanks with > 55% rPET since
2003

Since 2018 increased the
share of secondary raw
materials in the PET portfolio
by 25%



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