



**INTHERWASTE**

Interreg Europe



European Union  
European Regional  
Development Fund

# How to prevent waste packaging consumption?

**Michał Gelata**

Municipality of Krakow

[michal.gelata@um.krakow.pl](mailto:michal.gelata@um.krakow.pl)

13th – 14th June 2018, Cordoba (Spain)

Thematic Seminar on Waste minimization in Heritage Areas

# Product fee

2016

300 000 packaging and  
products in packages were  
brought out



7 000 Mg of packaging waste was  
produced

**The product fee** is intended to prevent or reduce pollution of the environment by causing the rational use of natural resources in the production, sale and use of particular products, e.g. packagings



# Entrepreneurs' obligations

- **Limiting the amount** of packaging and negative environmental impact
- The obligation of bringing out packagings which **allows their further recovery and recycling**
- The obligation of reaching the **recovery and recycling level**, as well as to carry out **educational campaigns related to the minimization of waste**
- In case of a failure to reach the recovery and recycling level, the obligation of paying **the product fee** in the maximum amount of 1 €/kg



15 march



# Product fee calculation

$$\text{Product Fee} = \text{Mass} \cdot \left( \frac{\text{Recycling}_{\text{rate}} - \text{Recycling}_{\text{reached}}}{100 \%} \right) \cdot \text{Product fee rate}$$



56 %

0,33 €/kg



61 %

0,17 €/kg



61 %

0,07 €/kg



23,5 %

0,64 €/kg

# Packaging recycling organizations

- **Packaging recycling organizations (PRO)** take over the obligations of:
  - recovery and recycling of packaging waste
  - carrying out educational campaigns
  - reporting
- Entrepreneurs forward to PRO the information on the quantities of brought out packaging
- PRO ensures recycling and recovery by a cooperation with recyclers



# Controlling system



**Controls have been introduced since 2013 to limit brought out packaging and products in packages.**

- **2016:** 9 entrepreneurs were controlled and fined for a total fine of 20 000 €
- **2017:** 12 entrepreneurs were controlled and fined for a total fine of 5 300 €

**The funds from the product fees are used for activities related to the environmental protection.**

# Recycling fee

- Even **11 000 000 000** of plastic bags are consumed every year in Poland (up to 300 per capita)
- Free plastic bags were available in each selling point by the end of 2017
- Since 2018 **the recycling fee** for plastic bags 15-50  $\mu\text{m}$  thick has been charged
- It will decrease their consumption by **30 %** in the first year
- The fee implements a rules of EC Directive





# Payment



- Revenues from recycling fees are an income of the **country budget**
- They have to be forwarded by the leading retail or wholesale unit, who is responsible for a fee charging by **15<sup>th</sup> March**
- Obtained funds will be donated to the **environmental education in reducing the use of plastic bags**





# Strenghts/**w**eaknesses

- Decrease the amount of packaging waste
  - Increase of recovered and recycled packaging waste
  - Obligation to finance educational campaigns provides good habits in society
  - **Lack of knowledge among entrepreneurs**
- Decrease of using plastic bags from 300 to 200 per capita
  - Minimization of packaging waste
  - Working out a habit of using reusable cloth bags among citizens
  - **Lack of control tool causes failures to comply with the law, especially by sellers at marketplaces or small shops**





# INTHERWASTE

Interreg Europe



European Union  
European Regional  
Development Fund

## Thank you!



*Project media*