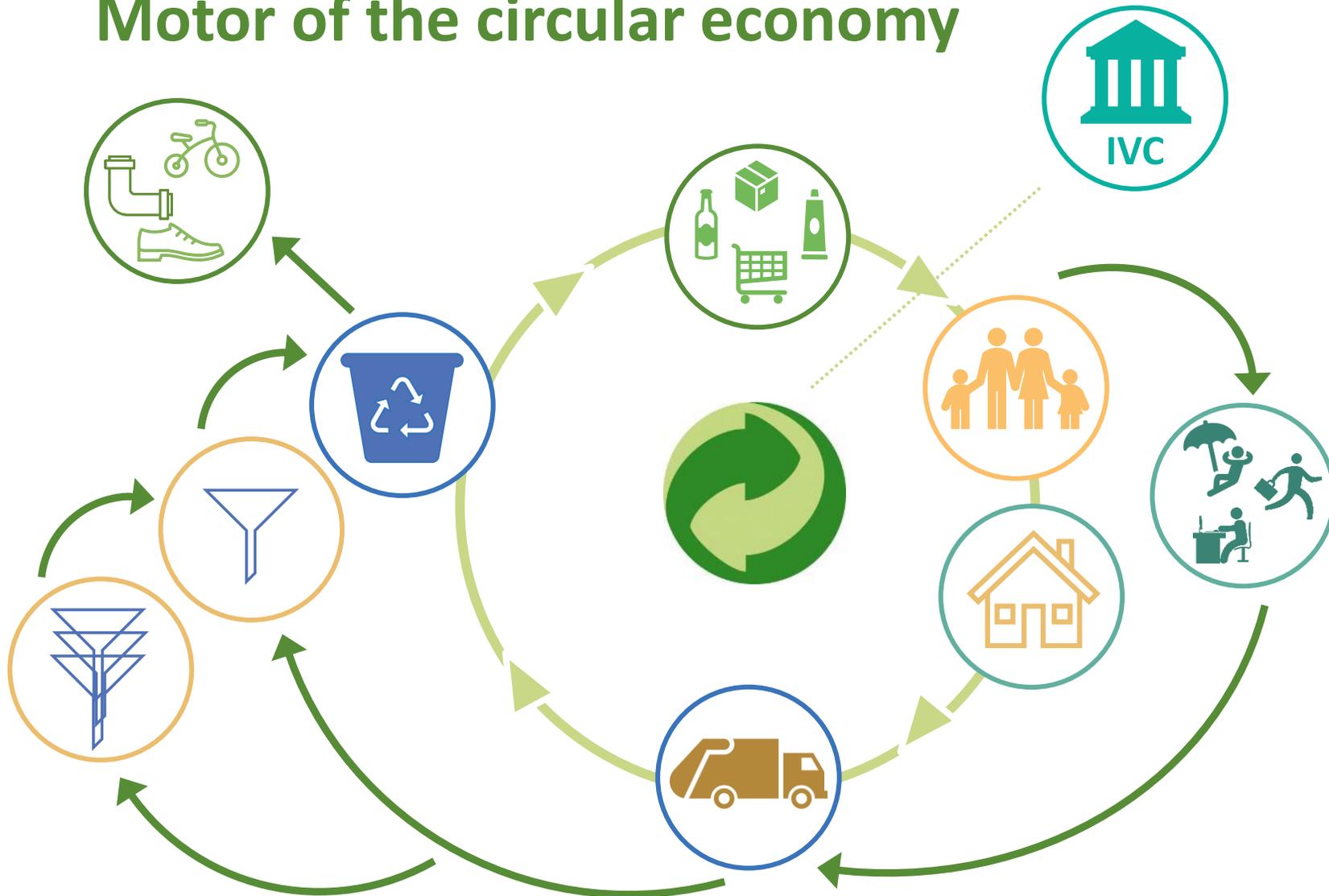


17 November 2022

# The collection and recycling of fibre-based packaging in Belgium

Sustainable Packaging beyond Borders – The future of fibre-base packaging in the circular economy

# Motor of the circular economy



## Building blocks:

1. Uniform collection scenarios
2. Uniform recycling scenarios
3. Contracting power
4. Control of data flows
5. Control of material flows

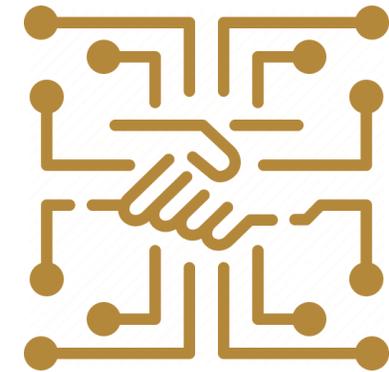
# A holistic approach



Fost Plus seeks to offer recycling solutions for **all** household packaging



More tons, a higher recycling rate and efficient systems



Digitalisation as cornerstone to the system

# Our recipe for success: a uniform recycling scenario



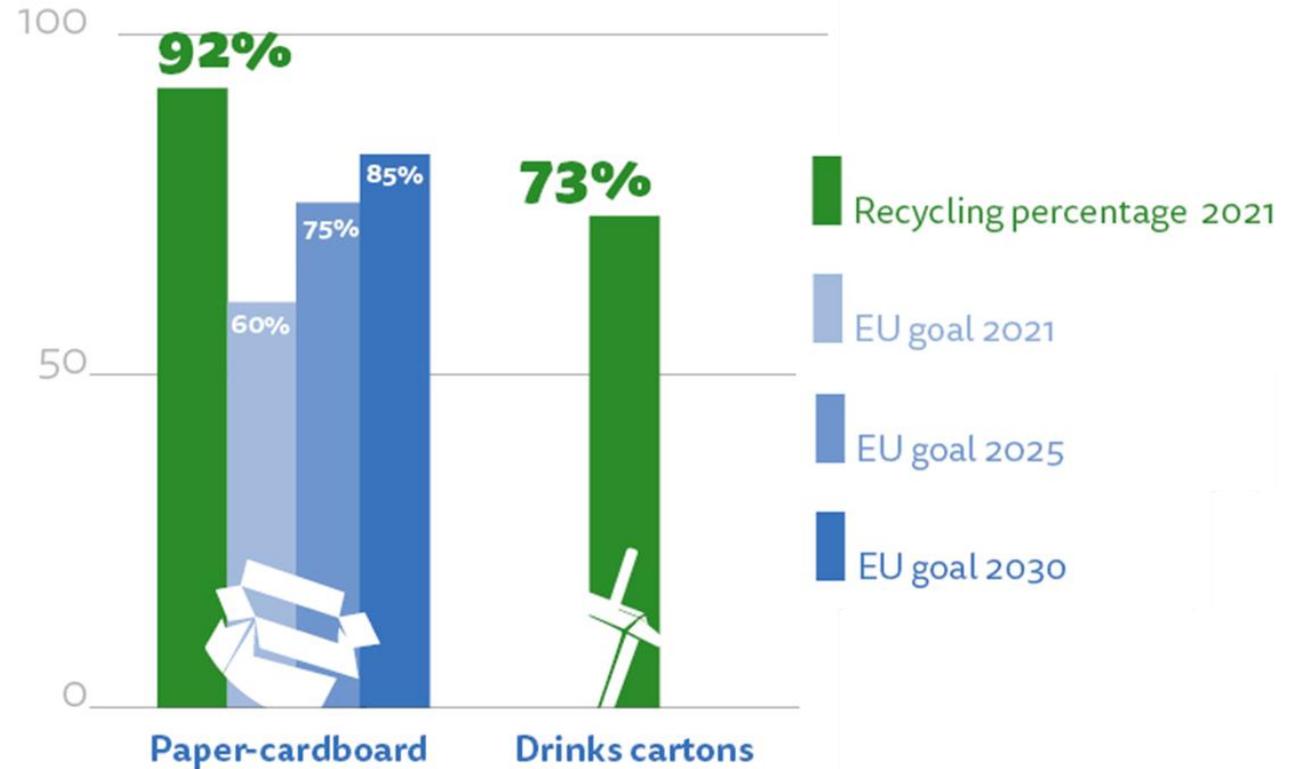
# Recycling data 2021



16,6 kg/inh



1 kg/inh



Recycling % calculated ~ new measuring method

# Design for Recycling Guidelines for fibre-based packaging

- Putting forward a recycling solution for 100% of household packaging placed on the Belgian market
- Take account of the current collection and sorting facilities in Belgium and the possibilities in terms of sustainable recycling channels available
- Actual guidelines for paper-cardboard packaging:
  - At least 85% fibre
  - No double-sided not water-soluble coatings
  - Avoid use of materials which are too fragmented in the recycling process
  - Use as few additional components as possible (lids, caps, films, ...)
- Linked with the eco-modulation of Green Dot fees

# Eco-modulated fees to enhance circular economy

Packaging Material	Fee 2022 (€/kg)
Glass	4,94
<b>Paper/Cardboard</b>	<b>10,07</b>
Steel	18,88
Aluminium	4,11
PET bottles clear	10,39
PET bottles blue	41,72
PET bottles other	59,57
HDPE	43,80
PP	61,76
PS	66,76
PET Trays	77,84
PE Films	115,88
Other Films	144,83
<b>Drinks cartons</b>	<b>47,79</b>
Hazardous household waste	93,21
<b>Other valorized</b>	<b>173,79</b>
Other non-valorized	217,24
<b>Obstructive packaging</b>	<b>289,65</b>

**The principle: a strong financial incentive for companies to create packaging that is compatible with existing sorting and recycling scenarios in Belgium**

**Green Dot fees for recycled materials, based on the chain deficit of each packaging material (activity based)**

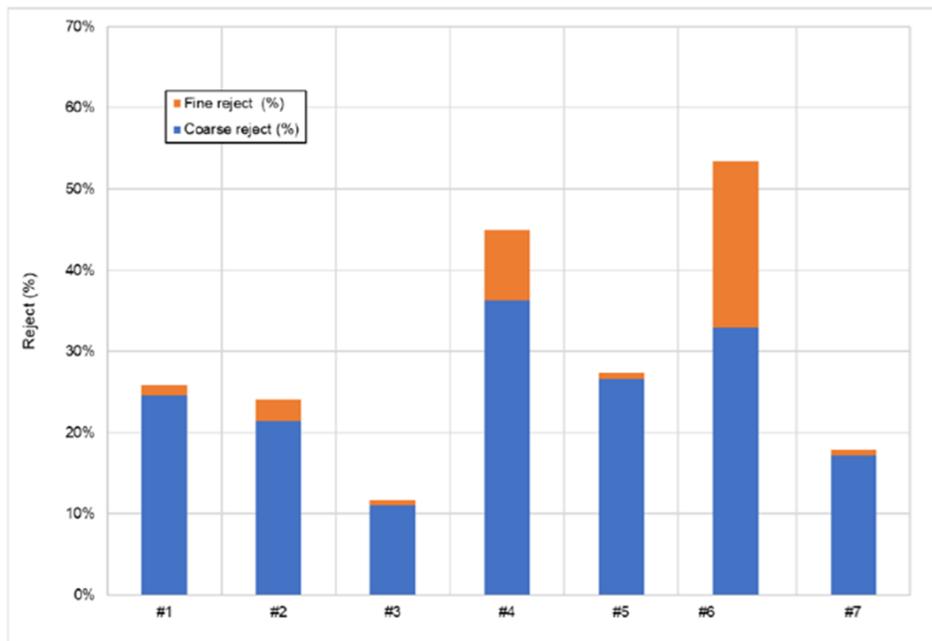
- PC > 85% fibre
- Drinks cartons

**Dissuasive fees for packaging that**

- is not recycled
  - PC < 85 % fibre, double sided not water-soluble coatings
- obstruct the selective collection, sorting and/or recycling
  - Laminated cardboard packaging of chips and milk powders with plastic/metal bottom or top

# Evolution in the paper-cardboard stream

- Decrease in volume
- Changes in composition: packaging vs non-packaging
- Presence of Li-ion batteries
- Increase of complex fibre-based packaging for wet food (dairy, ready dishes, meat & fish)



# Challenges & opportunities for fibre-based packaging

- Further improve the quality of collected materials
- Use of evaluation of recyclability protocol might have impact on:
  - Sorting message, recycling scheme & infrastructure
  - Declaration by members, Green Dot categories & fees, D4R guidelines
- Further developments and innovation in sorting (AI, tracers, digital watermarks, robotics,...) & recycling technologies (dry pulping, PolyAl ...)
- Collection & recycling of on the go fibre-based packaging
- Impact of reuse models

## Fost Plus

Olympiadenlaan 2  
1140 Brussel

T +32 2 775 03 50  
fostplus@fostplus.be



Volg ons