

Circular Economy Package - Impacts on the glass industry

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Conference

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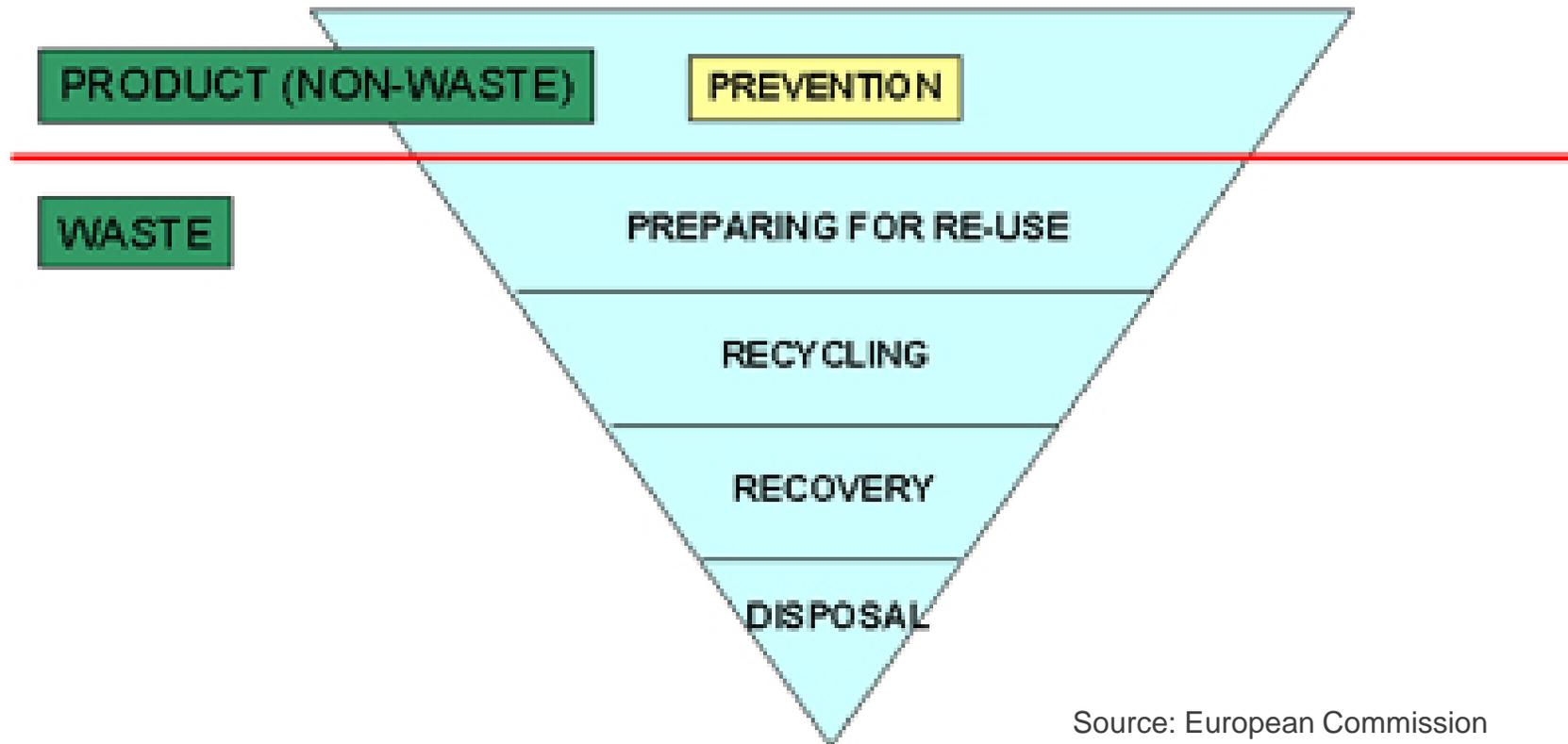
What is the European Commission's Circular Economy Package?

- It contributes to **closing the loop** of product lifecycles by extracting the maximum **value and use** from all **products, materials and resources** in the economy and reducing waste to the minimum.
 - There is a particular **focus on plastic** because, although the use of plastics is continuously rising, only a small proportion of collected plastic waste is recycled.
 - The consequences are clearly evident and becoming increasingly important in the **public debate**.
- There are several legislative amendments and initiatives within the CEP:
 - A **plastics strategy** and a proposal for a **Directive on single use plastics**
 - The legislative initiatives that are most relevant for the **glass industry** are the **amendment of the Waste Framework Directive and the Packaging and Packaging Waste Directive**

Circular economy fundamentals



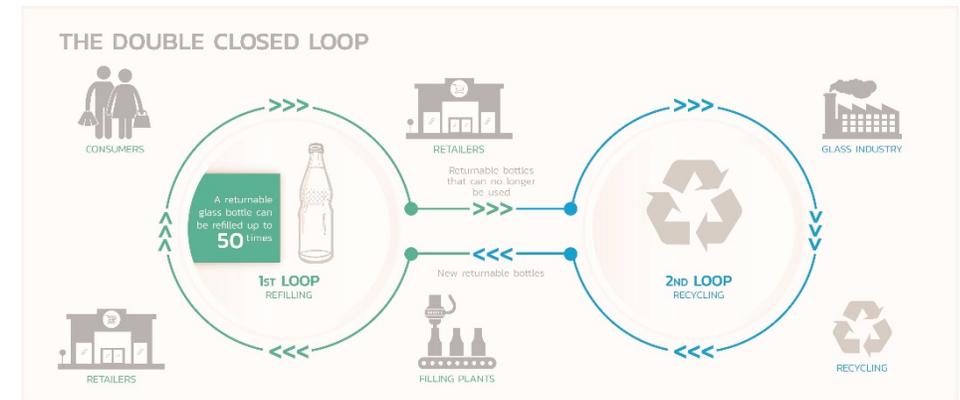
The waste hierarchy



Source: European Commission

The generation of packaging waste is to be avoided

- Member States must take concrete measures to support the **re-use of packaging materials**
- These measures could be: **deposit systems, qualitative or quantitative targets, economic incentives**
- The return-refill systems for glass, which is a practically inert material, make an important contribution to the prevention of waste



Source: BV Glas

CEP – higher recycling targets

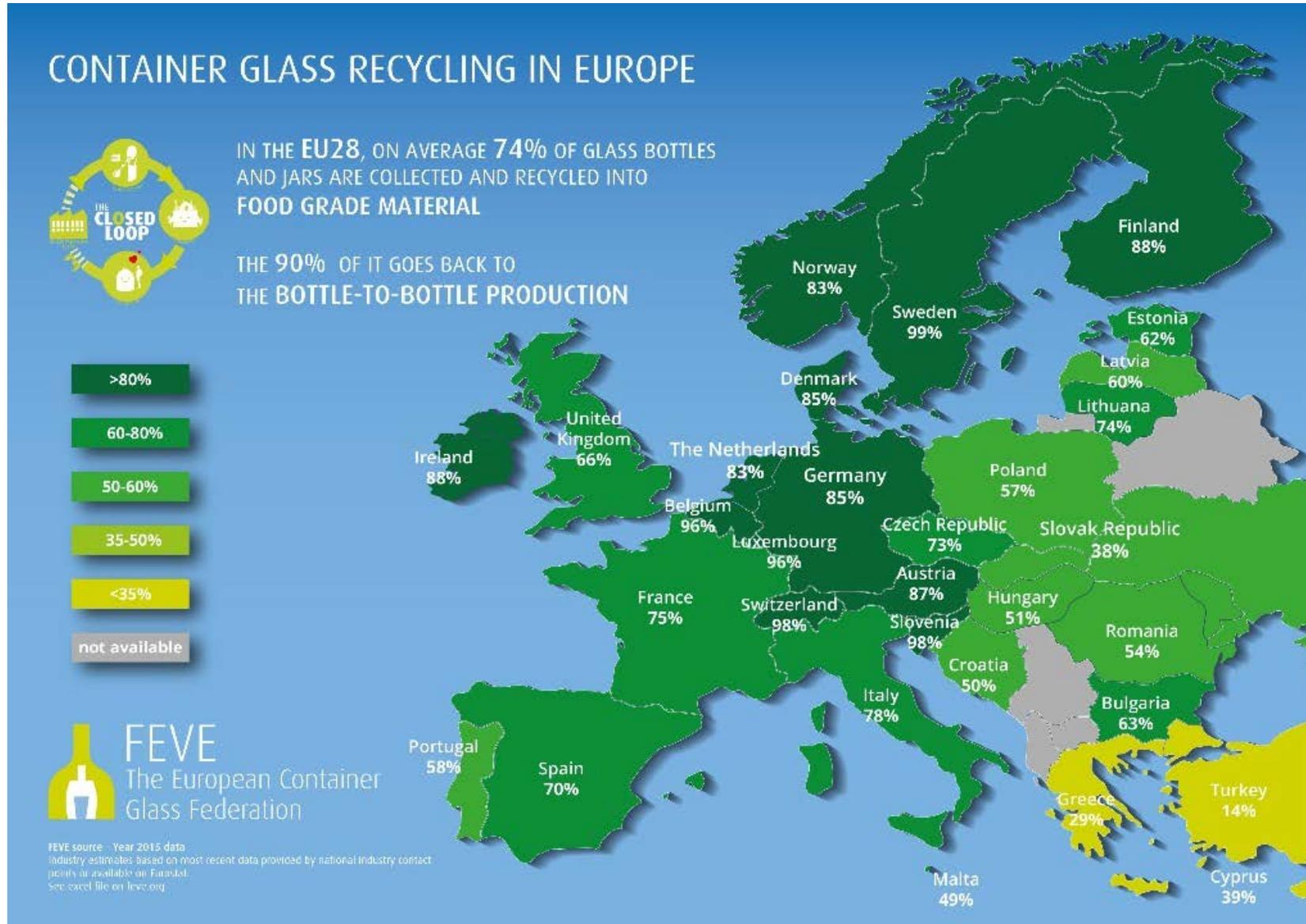


More recyclable materials have to be recycled – higher recycling targets

- Glass will have to be collected separately in all Member States by 2025
- Higher recycling targets have been introduced for all materials:

PACKAGING MATERIAL	BY 2008	BY END OF 2025	BY END OF 2030
ALL PACKAGING WASTE	60	65	70
PLASTICS	22.5	50	55
WOOD	15	25	30
FERROUS METALS	50	70	80
ALUMINIUM		50	60
GLASS	60	70	75
PAPER AND BOARD	60	75	85

CEP – glass recycling in Europe



Source: FEVE

CEP – higher recycling targets



Calculation of the recycling quota

- In the past the recycling quota represented the volume of waste collected for recycling

Material fraction	Loss
Glass	approx. 10 %
Plastic	15 – 30 %
Paper and board	15 – 30 %
Aluminium	60 – 70 %
Tinplate	5 – 8 %
Liquid board	approx. 25 %

The material fractions of collected waste contain contaminants or foreign materials that reduce the volume of waste actually recycled to different extents

Source: Umweltbundesamt

- The new method of calculating the recycling quota will represent the volume of waste that is actually recycled

Glass in the Circular Economy Package



- ✓ The properties of **glass** make it a material that meets **all the prerequisites** for the implementation of the Circular Economy Package
- ✓ The glass recycling loop has already reached a very advanced level
- ✓ The Circular Economy Package mainly targets plastic packaging which, to a large extent, is not recycled
- ✓ CEP provisions will often not just affect plastic, but also the market development of other materials such as glass
 - ✓ The introduction of a deposit system for single use beverage packaging aims to improve the plastic bottle recycling
- The glass industry has to follow and influence these developments