

Refillable bottle systems in Germany – a Model for Well-Designed Pool Systems in Europe?

Zero Waste Europe Webinar

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Genossenschaft
Deutscher Brunnen eG

Characteristics of the German Beverage Market

- ▶ Many Regional/Local producers: 1,350 breweries, 180 mineral water bottlers, 400+ softdrink & fruit juice producers
- ▶ Beverages are sold in crates
- ▶ A rich, diverse and specialized retail structure for beverages: 3,500 wholesalers, 12,000+ specialized beverage retailers
- ▶ This does not mean that the German example is not relevant to other European countries – but copy & paste will not work

GDB: facts and figures



- ▶ Trading and service company of German mineral water bottlers,
- ▶ Cooperative (non-profit business)
- ▶ Headquarters: Bonn, Germany
- ▶ Founded: 1937
- ▶ Members/Customers: 162
(nearly all German mineral water companies)
- ▶ turn over 2020/21: about 130 m. €
- ▶ Staff (group): 50

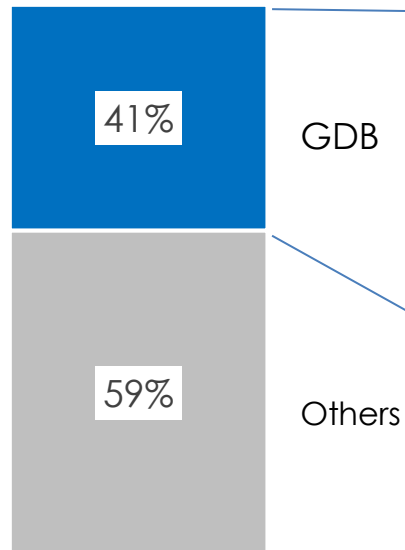
GDB Packaging Systems 2021



Mineral Water Market

Based on liters filled in 2021

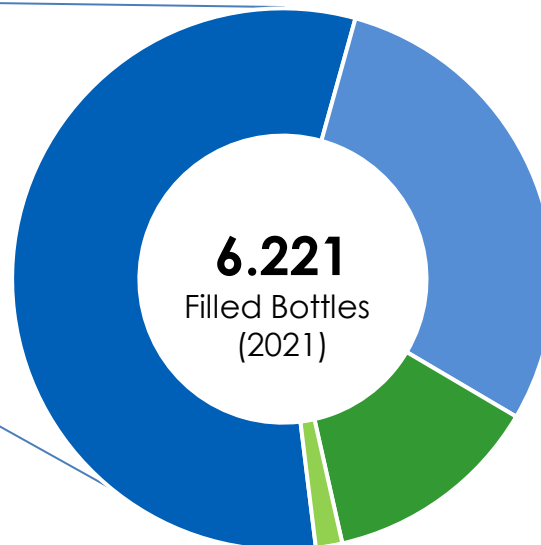
Source: VDM



GDB Packaging Systems

Million Bottles Filled

Source: GDB



3.500

GDB Glass Reuse



1.814

PET Reuse



809

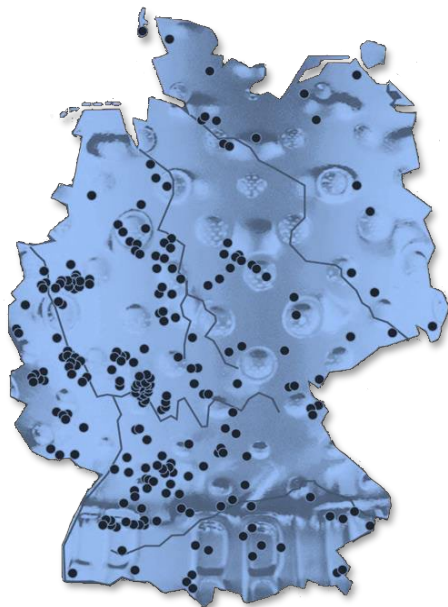
PET Circular



98

Logicycle Reuse

GDB Glass- and PET-Reuse-Pools



GDB Share in Reuse:
GDB Glass- & PET-Reuse in Mineral Water Market

> 70 %

**Number of Reuse
Bottles:**
Glass- und PET-Reuse of GDB

> 1 billion

Deposit Value:
Glas- und PET-Mehrwegpools der GDB

> 300 million €

**Share of Consumers
familiar with the GDB
bottle:**

97 %

**Current System in
place since**

1969

**Newest Bottle Type
introduced in**

2018

Source: GDB, 2021

■ We need to think and talk about two aspects...

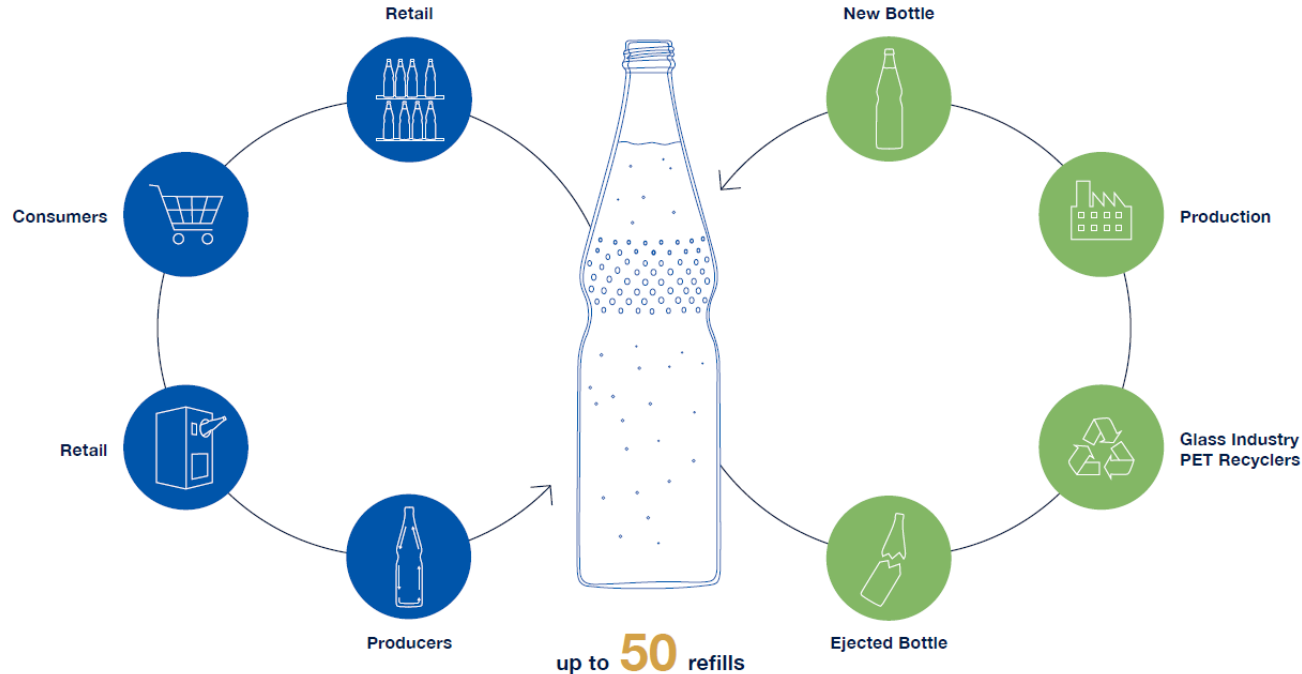


Reuse

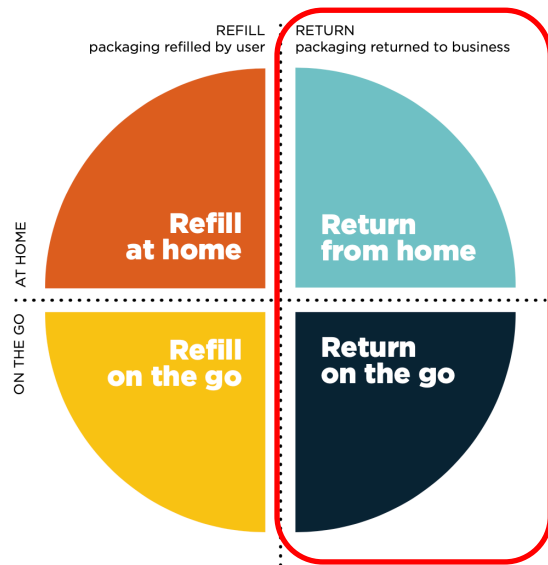
System

System: The Double Circle of Reuse

The system has a structure with a defined set of players and defined processes for the refill trips and recycling of ejected containers.



Reuse Return rate: up to 99 %



The four reuse models

Business-to-consumer reuse models differ in terms of packaging 'ownership' and the requirement for the user to leave home to refill/return the packaging.



Refill at home

users refill their reusable container at home (e.g. with refills delivered through a subscription service)



Return from home

packaging is picked up from home by a pick-up service (e.g. by a logistics company)



Refill on the go

users refill their reusable container away from home (e.g. at an in-store dispensing system)



Return on the go

users return the packaging at a store or drop-off point (e.g. in a deposit return machine or mailbox)

Note: B2B packaging and 'naked'/packaging-free products are not included in this framework.

Reuse II: It's not „just“ Refill – A Taxonomy of (Beverage) Containers

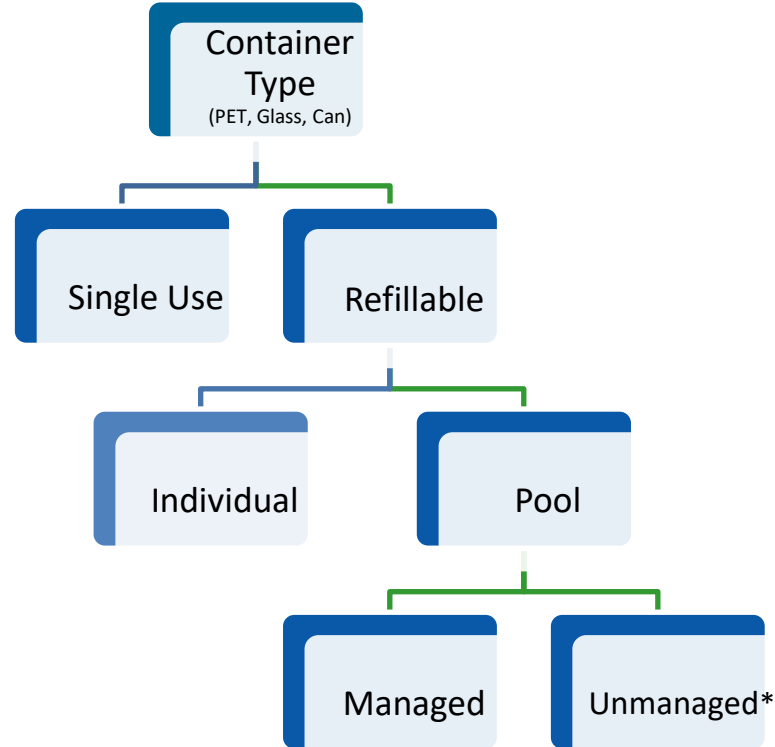
Typical Questions Associated

- Type of beverage?
- Are there branding considerations?

- What are customers and consumer preferences
- Strategy (Corporate, Brand, Sustainability)

- Economic and environmental efficiency
 - Costs
 - Independence

- Quality
- Fair Share of burdens



Typical Issues Associated

- Beer in PET is a „no-no“ in Germany

- Most discounters won't list reuse
- Glass associated with high-quality (Branding!)

- Pool bottles = co-operation with competitors
- Individual bottles higher costs

- Unfair practices in unmanaged pools
 - Quality issues

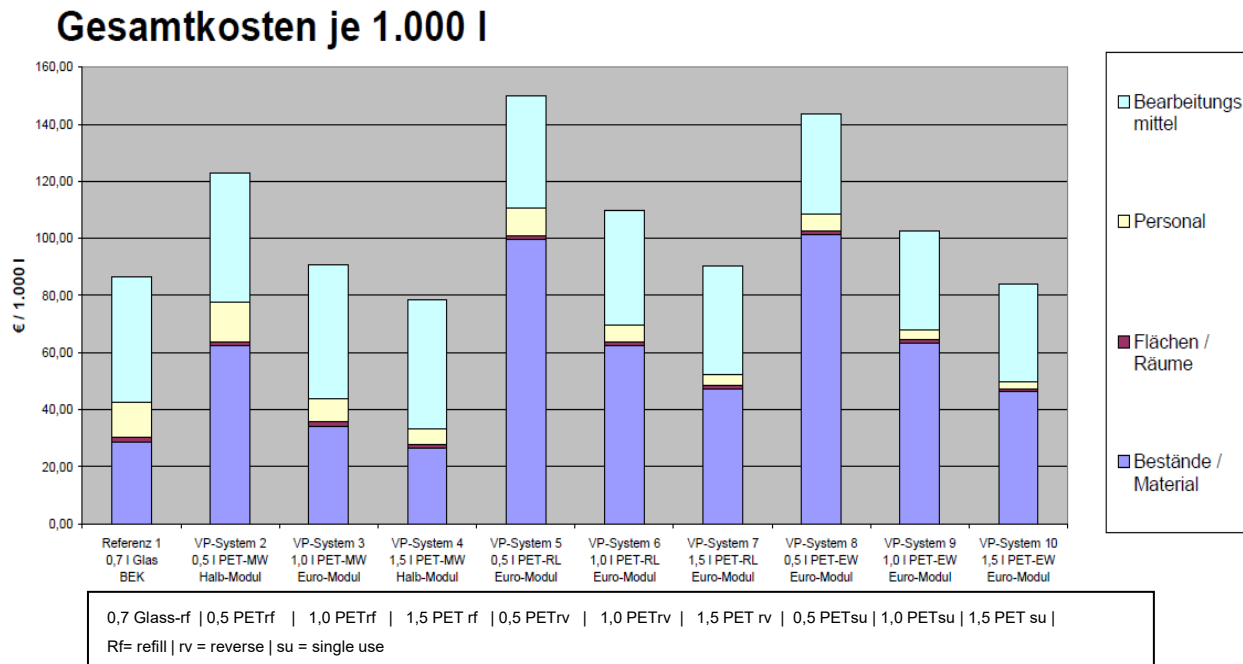
Governance - Managed Pools have

- ▶ An institutionalized governance structure
 - ▶ A legal framework for all bottlers (i.a. ownership, type of cooperation, inclusivity)
 - ▶ Internal standards (e.g., balanced input and ejects, clearing activities, transparent reporting, conditions to ensure free movement, etc.)
 - ▶ Fair distribution of costs and benefits
 - ▶ Joint market activities/easier access for new types of packaging
- Resulting in system immanent advantages of pool packaging

Advantages of Managed Pools Systems

- ▶ Improved efficiency (e. g. market reach, transport)
- ▶ Lower costs and lower risks
- ▶ Better access for SMEs to reuse and markets
- ▶ Open access for different producers of containers
- ▶ Scalability

Comparative Study on Costs per 1.000 l filled



- ▶ Standard reuse bottle has best cost structure
- ▶ Smaller bottles – higher costs
- ▶ Average of 6 companies of different size - Individual cost structures of companies will vary

Standardizing ≠ Uniformity: GDB Refillable Pool Containers



Variations of

Glass & PET

Refillables

from 0,5 – 1,5 L

(... and this is the mineral
water and parts of the CSD
market only)



And one more most important ingredient...

Simplicity*

* For consumers

Refillable bottle systems in Germany – a Model for Well-Designed Pool Systems in Europe?

- ▶ Refillable systems need to be adapted to local/regional needs and consumer habits –
- ▶ Therefore copy & paste of the German system will not work, but many learnings from the German systems can be transferred to other European countries (and to Europe-wide systems)
- ▶ Upcoming: A policy briefing on the need to set essential criteria for setting up managed pool systems

Thank you!

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