

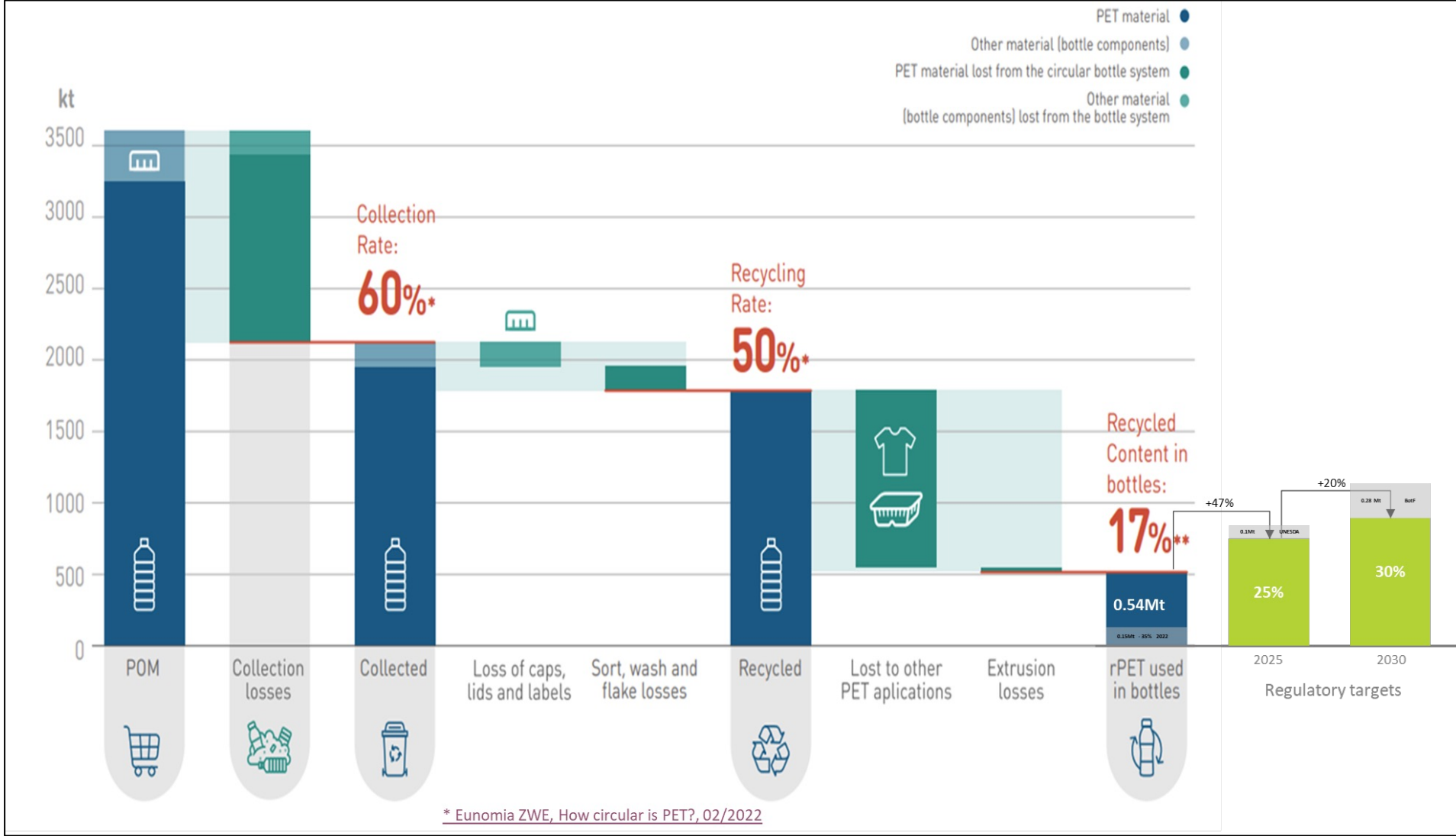


PETCORE Annual Conference
Brussels – Feb 2024

European PET Bottle Platform (EPBP)

Strengthening our platform towards circularity

How Circular is PET for Bottles ?



*Eunomia ZWE, How Circular is PET?, 02/2022

Fully committed to supporting a circular model for PET bottle

Regulatory Framework to boost circularity

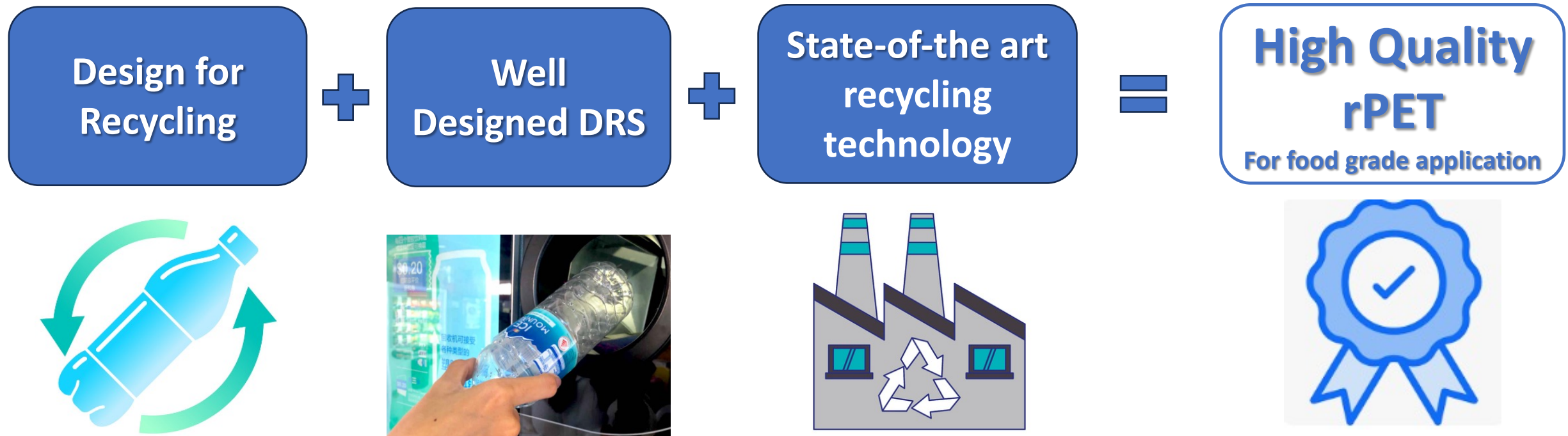
- 25% by 2025 (SUPD)
- 30% by 2030 (PPWR tbc)
- 65% by 2040 (PPWR tbc)
- ✓ 78% separate collection for recycling in 2026+2027, otherwise DRS will be mandatory
- ✓ “High Quality Recycling”
Definition proposed by the council to preserve quality for food grade applications



Key success factors

- ✓ Prioritizing **bottle-to-bottle closed loop** recycling systems instead of using rPET from bottles for various applications
- ✓ Appropriate sorting and recycling technologies for non-bottle PET
- ✓ Policy **increasing collection** likely by the use of Deposit Return Schemes, to **improve the feedstock for recycling** (quantity & quality)
- ✓ Clear design for recycling guidelines for PET bottles to ensure **high quality rPET** for bottle manufacturing (incl separate colour streams)

Circularity requires High Quality Food Grade rPET for PET Bottles



European PET Bottle Platform PBP in a few words



Industry Initiative



Provides PET bottle **Design Guidelines for RECYCLING**

Evaluates PET bottle packaging **innovative solutions and technologies** on recycling processes and quality of rPET

Working closely with **PETCORE Working Groups and Industry Organizations**



16 years of proven expertise

Design for Recycling



Grouping **Technical Experts** in the field of PET production, design and recycling in Technical Committee

Providing an **independent and confidential assessment** of new technologies and its impact on PET recycling processes across Europe

Issuing **design guidelines** and establishing and evolving **test procedures**

Authorizing test laboratories

2023 Achievements

- ✓ Growing number of new applications per annum
- ✓ Onboarding new labs
- ✓ Published DfR of White Opaque PET bottles
- ✓ Developing design for B2B multi-loop protocol
- ✓ New 'Evolved EPBP' blueprint endorsement by UNESDA/NWME/PETCORE to drive efficiencies and ending EPBP/RecyClass pilot

Next steps in the coming months

Drive efficiency for applications

- Assess applications with more speed
- Update quick tests and protocols
- Updating DfRecycling

Install 'Evolved EPBP' model

- Expand Technical Committee representation
- Financials
- Integrate risk assessment approach
- Improve communication capability

Assess 'Design for Circularity/Multi-Loop' proposal

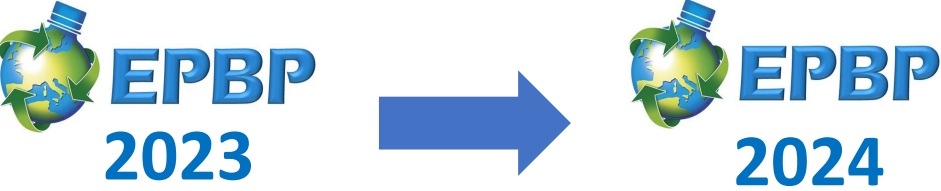
EPBP expertise support for Standardisation

Connect with non-food PET value chain partners to assess DfR opportunity

Evolving EPBP to continue to drive circular PET bottle



Evolved Model



Enhanced Technical Expertise

- EPBP offers its **expertise in PET food grade materials** and its behavior in a circular economy.
- Bringing in **new experts** across PET value chain
- Evolving from Design Guidelines for Recycling (DfR) towards **Design Guidelines for Circularity (DfC – multi loop bottle recycling)** and guarantee high-quality food grade rPET.

Key takeaways for today



- Strong expectations to **significantly increase rPET** for all PET applications
- To make PET circular, we must develop towards closed loop systems and **avoid downcycling**



- Bottle to Bottle PET recycling requires **High Quality Food Grade rPET** (ie high collection, Design guidelines)



- EPBP offers for 16 years **food grade rPET technical expertise** and DfR assessments for value chain



- EPBP evolves the Design for Recycling Guidelines towards Design for Circularity (Multi-Loop Recycling Guidelines)



- EPBP will continue to **support innovative thinking** and to support applicants, offering PET technical expertise



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THANK YOU

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