

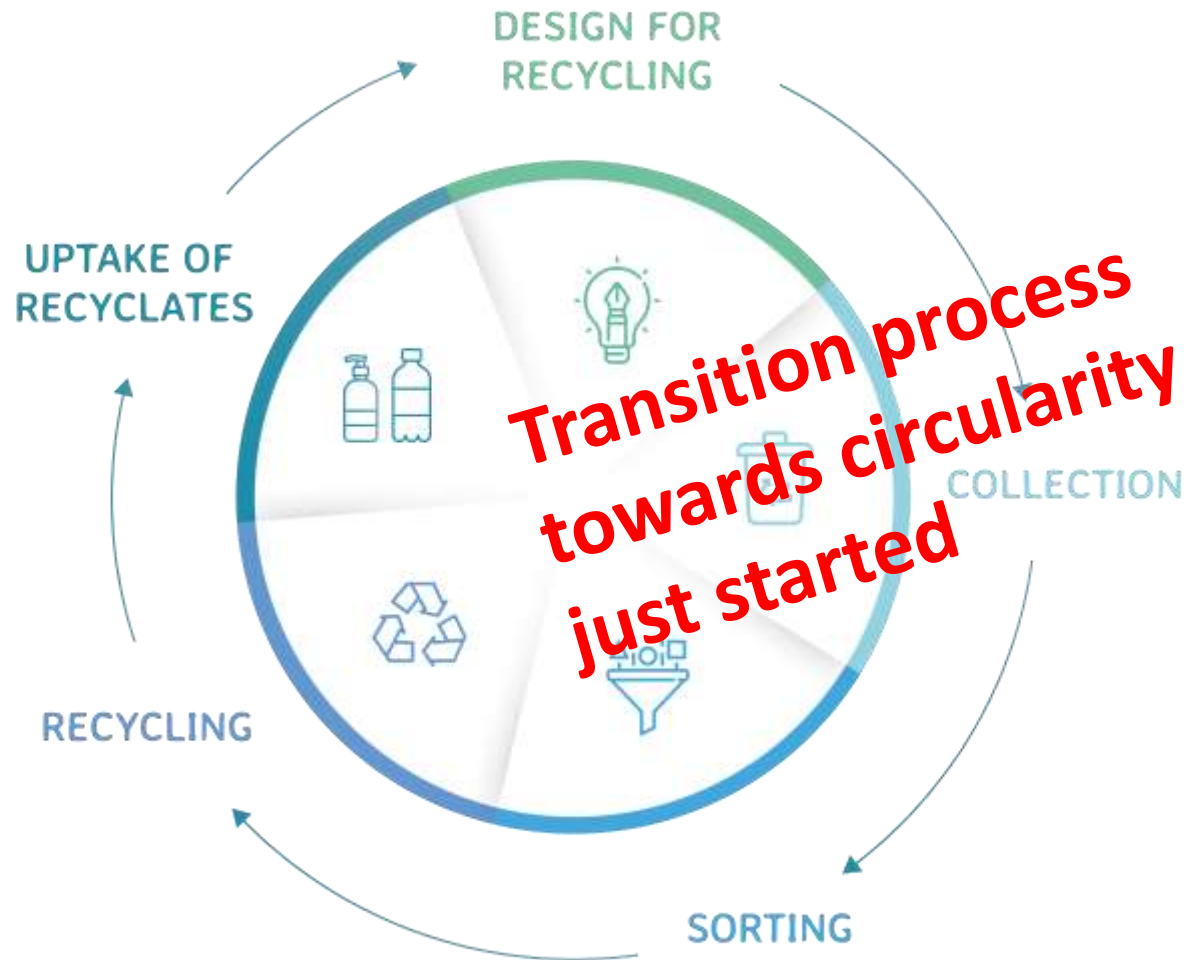


rPET Supply & Demand Overview

- Recyclers view

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OUR VISION

MAKING PLASTICS CIRCULAR

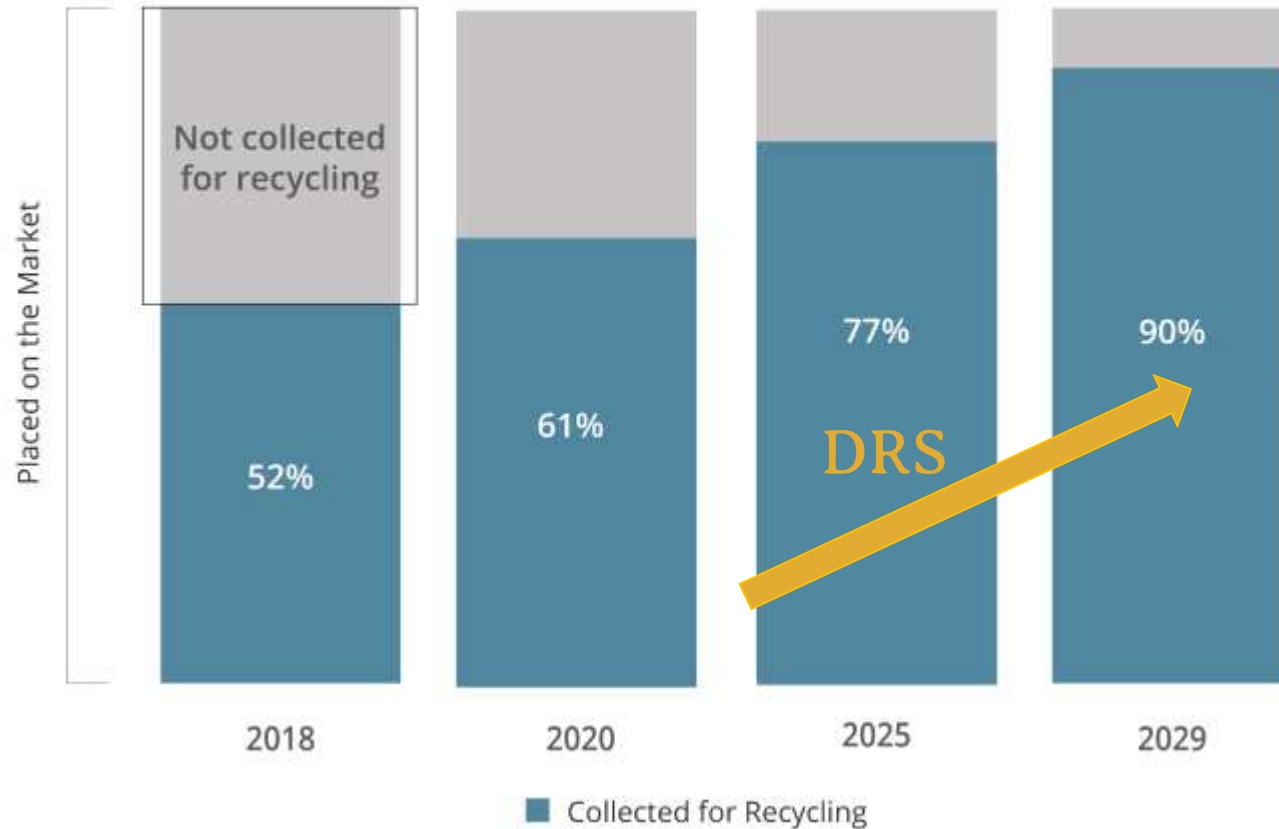
- Advancing circularity of plastics through increased quality plastics recycling & use of recycled materials in high-end products
- Improving recyclability of plastic products
- Harmonising of the recycling standards & practices across Europe
- Genuine transition towards circular economy

COLLECTION

Targets



PET Bottles Collection Evolution



State of the affairs

- ✓ 4.6mt of PET rigid packaging ended its product life and was available for collection in 2020
- ✓ 61% of PET bottles and 21% of trays were collected for recycling

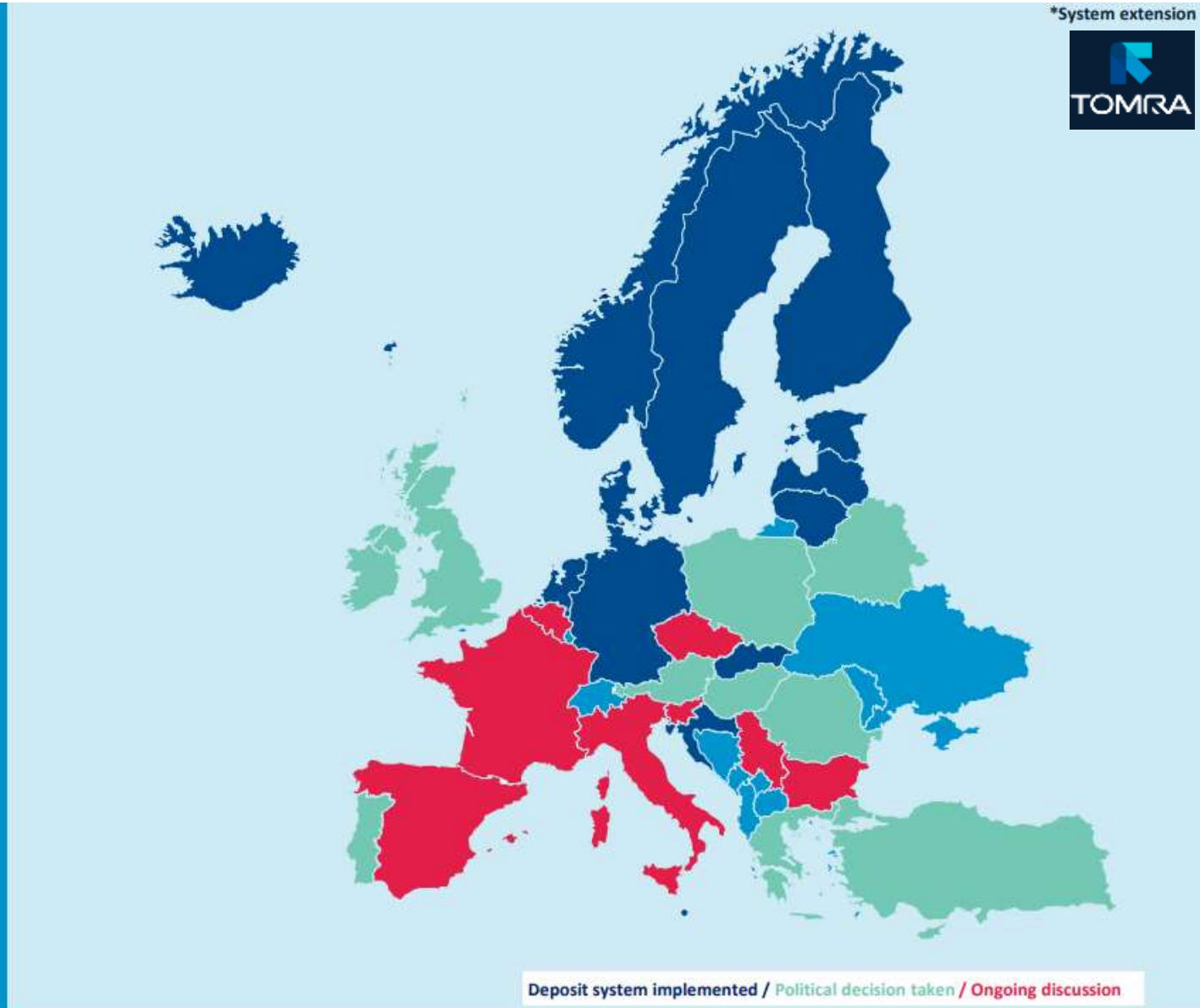
Deposit Return Schemes (DRS)

- ✓ 13 EU Member States are active today
- ✓ 10 EU Member States have decided to start on 2025 at latest, timing still uncertain in most cases.
- ✓ Max 23 will be active by end 2025
- ✓ Remaining 8 EU Member States have ongoing discussions(S, FR, IT)
- ✓ Sorted for recycling rates of 7 EU Member States with established DRS are of 83% or higher.

DRS Introductions are delayed

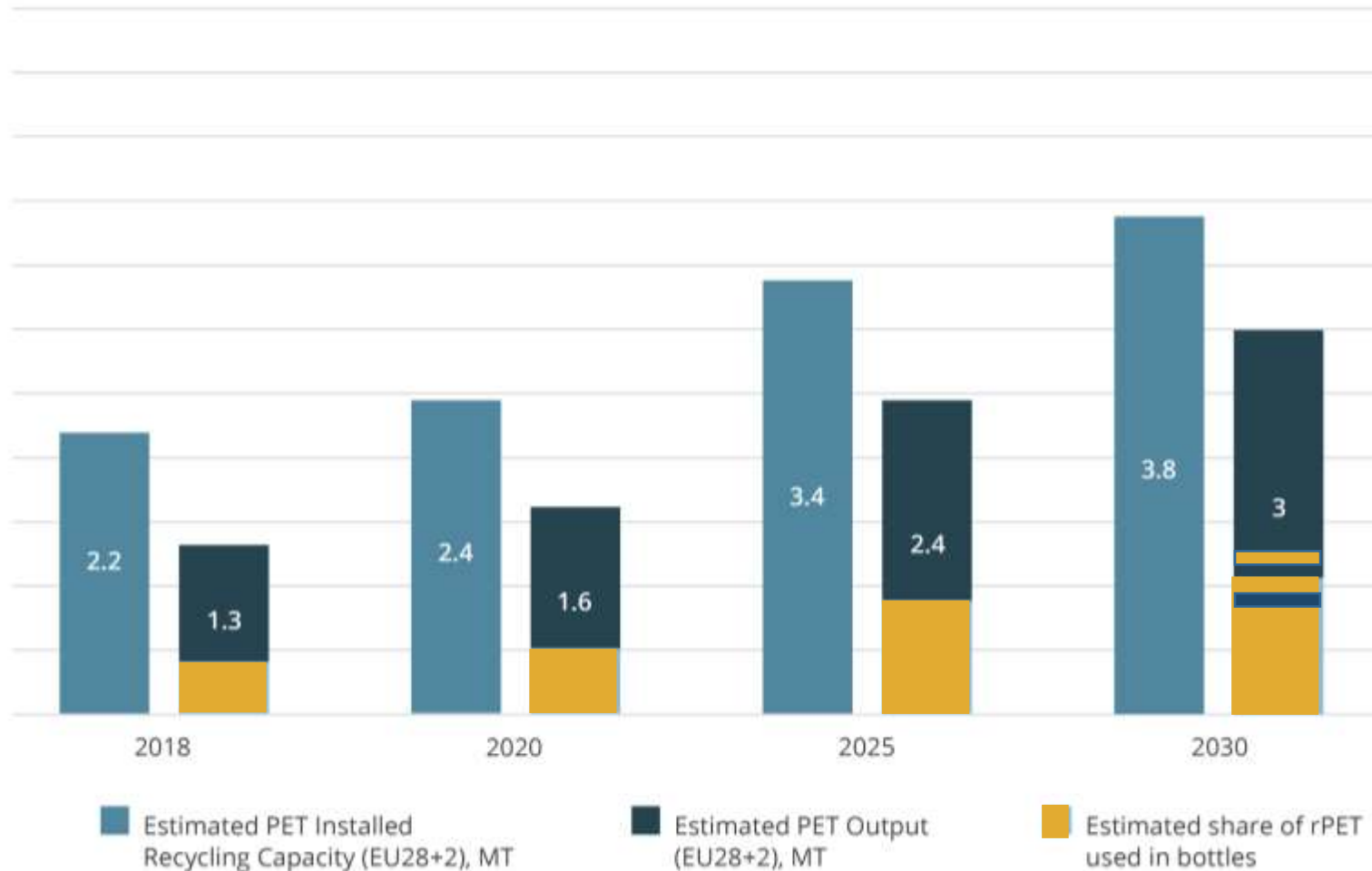
Deposit return system – European overview

Sweden (1984)	Ireland (2024)	Belgium
Iceland (1989)	Portugal (2025)	Czechia
Finland (1996)	Turkey (2023)	France
Norway (1999)	Romania (2023)	Spain
Denmark (2002)	Scotland (2024)	Italy
Germany (2003, 2022/24*)	Greece (2023)	Serbia
Netherlands (2005, 2021/22*)	Hungary (2024)	Bulgaria
Estonia (2005)	England & Wales (2025)	Slovenia
Croatia (2006/24*)	Austria (2025)	
Lithuania (2016)	Poland (2025)	
Malta (2022)	Luxembourg	
Latvia (2022)	Belarus	
Slovakia (2022)	Cyprus	



RECYCLING

FAST-PACED GROWTH OF PLASTIC RECYCLING - extra capacities



Trends:

- ✓ **Bottle-to-bottle recycling** to grow to get prepared
- ✓ **Less rPET going to sheets** and more to bottles
- ✓ **Tray-to-tray recycling** to grow (apart from Netherlands, also in France, Belgium, Spain & Italy)
- ✓ **Imported volume of flakes & RPET?** Increased by lack of volume and lower pricing
- ✓ **100% mechanical still normality, chemical in pipeline**

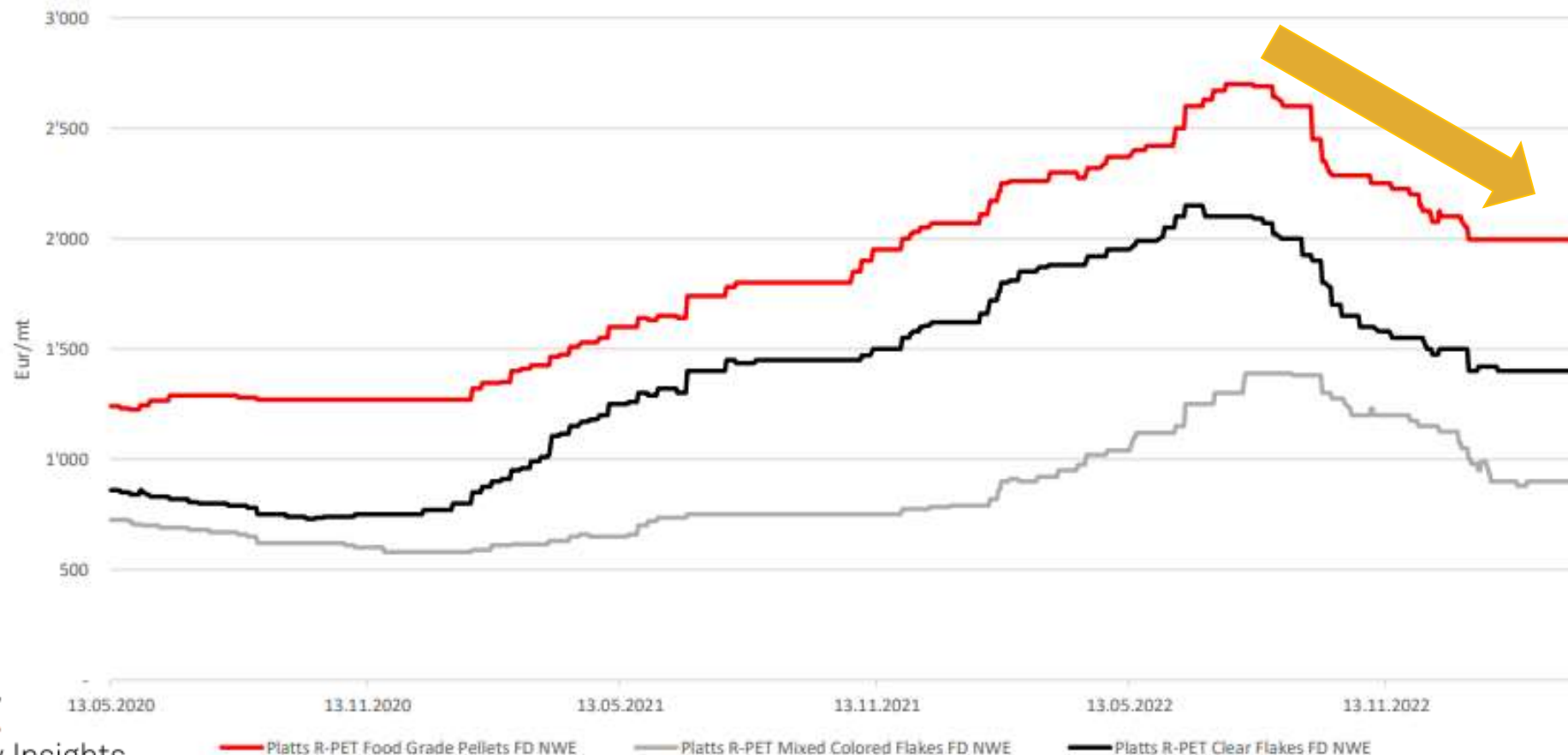
*compared to 2018 data

rPET PRICES

rPET flake spread to Virgin PET FD NWE, Period 2020-2022



R-PET prices crash in Q3 2022 after record high prices



Transition Subjects



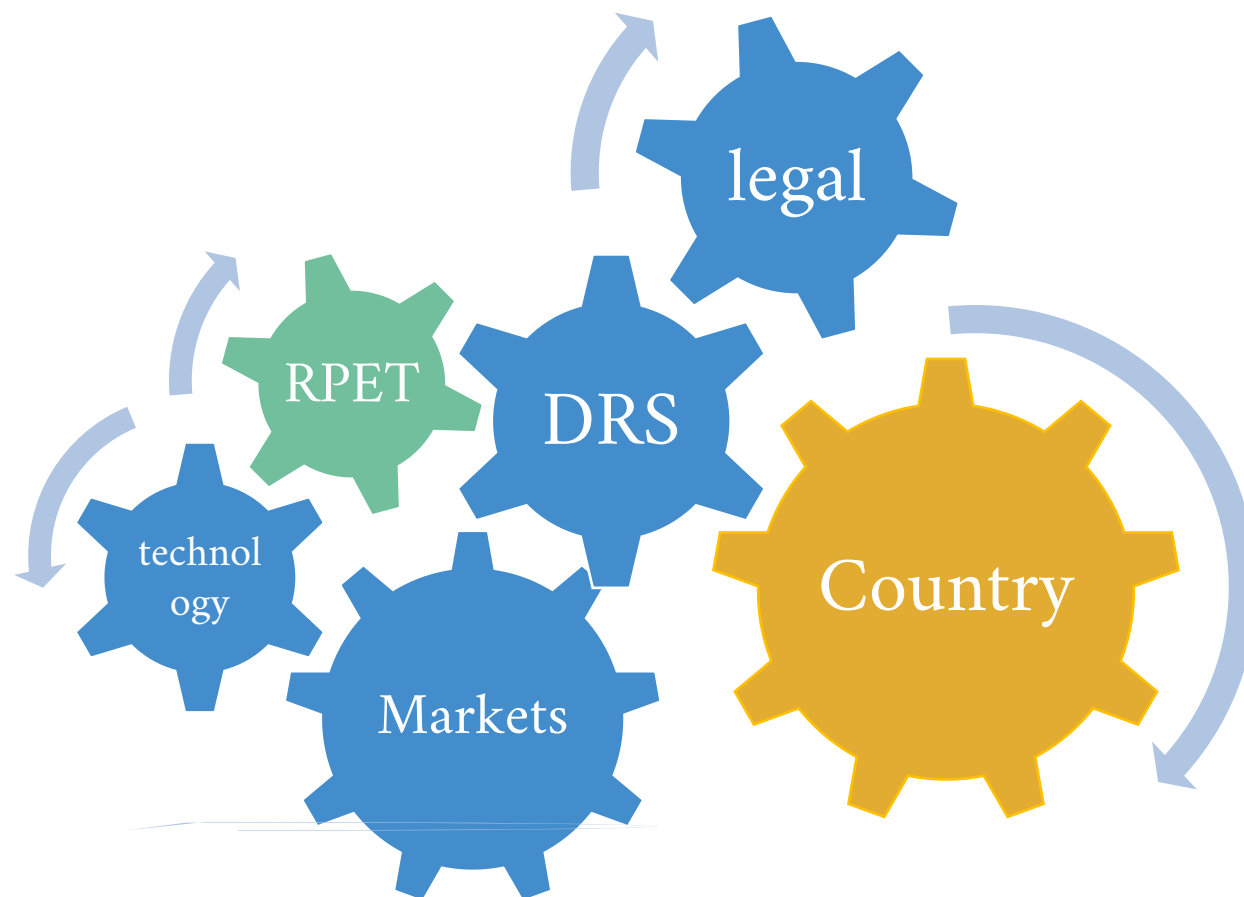
Large differences per country

- **DfR**; classification not yet available for all bottles, delayed trigger for adaption
- **Collection rates**; from low 20% to high 90%, timing is an issue
- **Recycling wash capacity** ; from full exporter of bales to larger importer of bales
- **Foodgrade decontamination capacity**; from over to under supply
- **Mechanical vs chemical recycling**; mainly mechanical & exceptional flake to resin options
- **Recycling content**; 0% upto 100% mechanical
- **Average recycling content**; below 10% upto more than 50%

Each country has it's own transition program to forfill the targets

CHALLENGES UNTIL 2025

Balancing act
to boost
investments





Thank you for
your attention