



# Calculation of recycled plastic content in the context of the Single-Use Plastics Directive

ISCC Technical Stakeholder Meeting

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# The plastics crisis

- Global plastic waste to almost triple by 2060 compared to 2019
- Also recycling rates to increase, but at a lower pace

➔ Recycling is one important element to make plastics circular, but recycling alone is not enough.



# Circularity of Plastics

## Plastics in EU 27+3

57.2 MT produced, 2021

29.5 MT waste collected & sorted 2020

10.2 MT sent for recycling, 2020

5.5 MT recycled into new plastics, 2021 ⇔ 7.7MT in 2022



**Scaling up collection, sorting & recycling is needed to reach our recycling & recycled content targets**

# Boosting Recycled Content

## Aim of the Plastics Strategy:

**10 million tons of recycled plastics** in new products on the EU market by 2025



**Mandatory requirements** for key products: packaging, construction materials, vehicles & **textiles**



# Recycled Content: SUP Directive

The Single-Use Plastics Directive (2019) setting first mandatory recycled content targets on EU-level:

- 25% in PET bottles as of 2025
- 30% in all SUP beverage bottles as of 2030



# 2-step approach under the SUP Directive

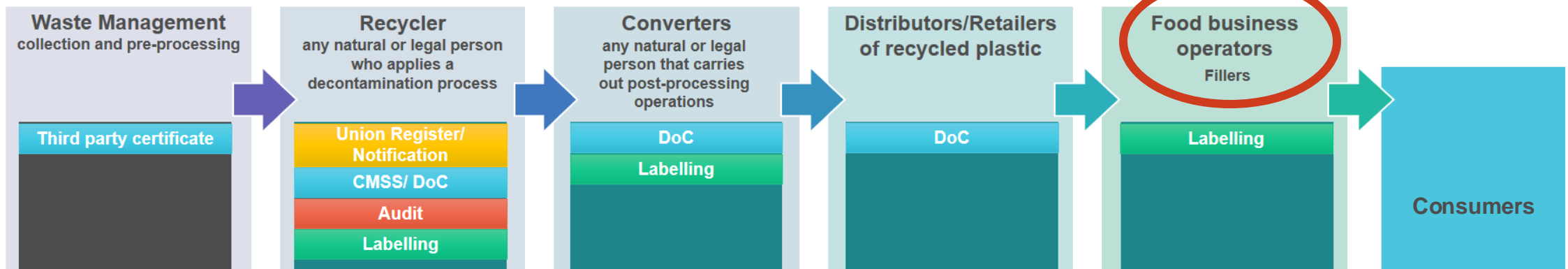
- SUPD requires COM to set methodology to calculate, verify and report on recycled plastic content in SUP beverage bottles
- Around 97% of SUP beverage bottles are PET bottles
- 2-step approach for SUPD Implementing Decision:
  - i. methodology based on Regulation 2022/1616 to cover mechanically recycled PET
  - ii. amendment to also account for recycled content resulting from other recycling technologies

# Step I based on food-contact Reg. 2022/1616

FBO calculate from %RC the weight of recycled plastic and report to MS

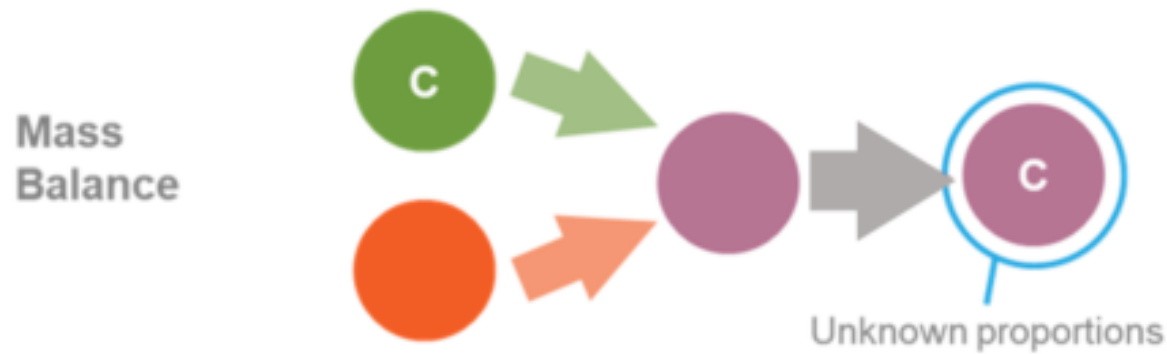
- Weight of plastic in bottles
- Weight of recycled plastic

MS collate data & report to COM



# Step II

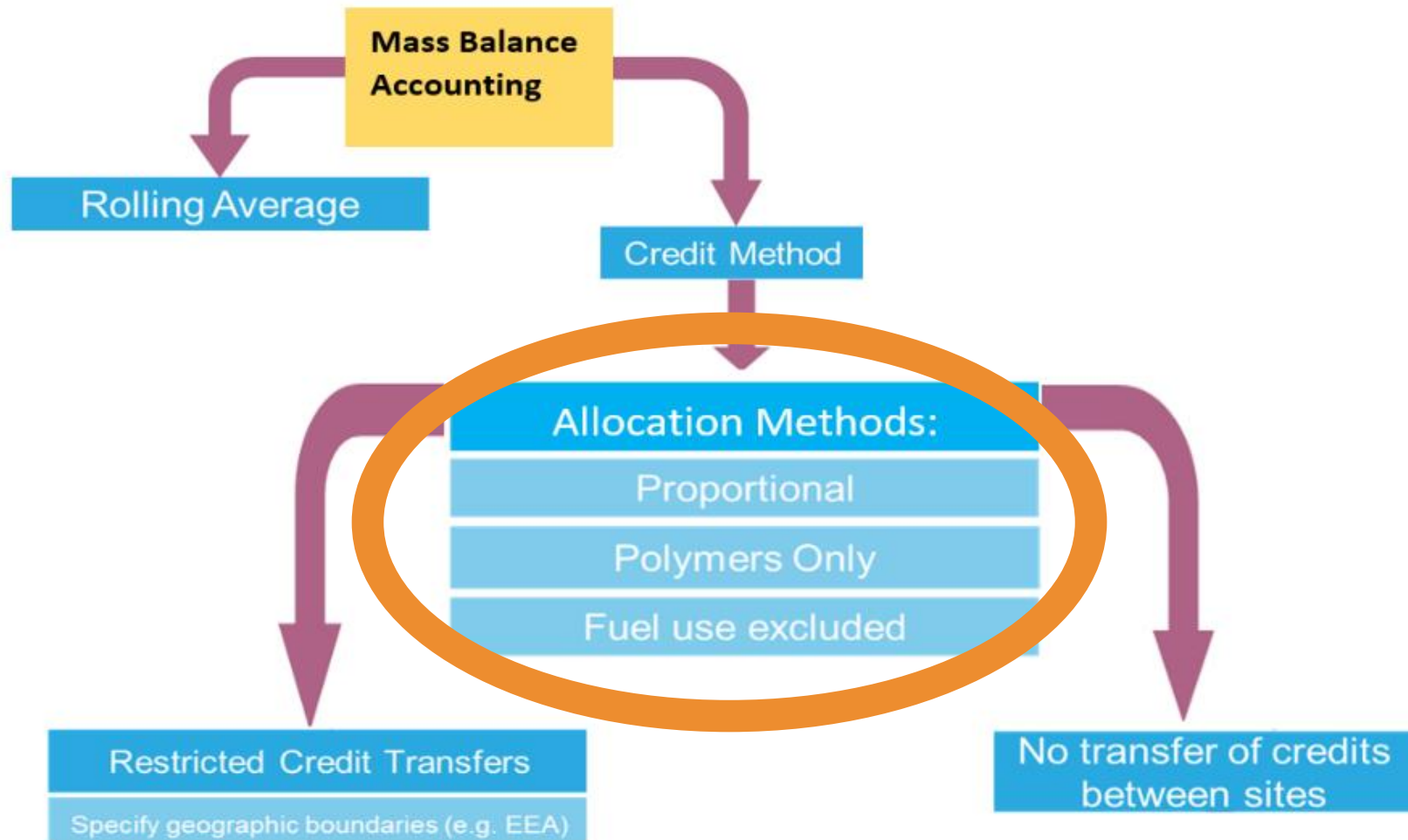
- Account for additional recycling technologies, incl. feedstock recycling
- Include mass balance accounting



Source: Eunomia, *Study to develop options for rules on recycled plastic content for the implementing act related to single-use plastic bottles under Directive (EU) 2019/904 (2022)*

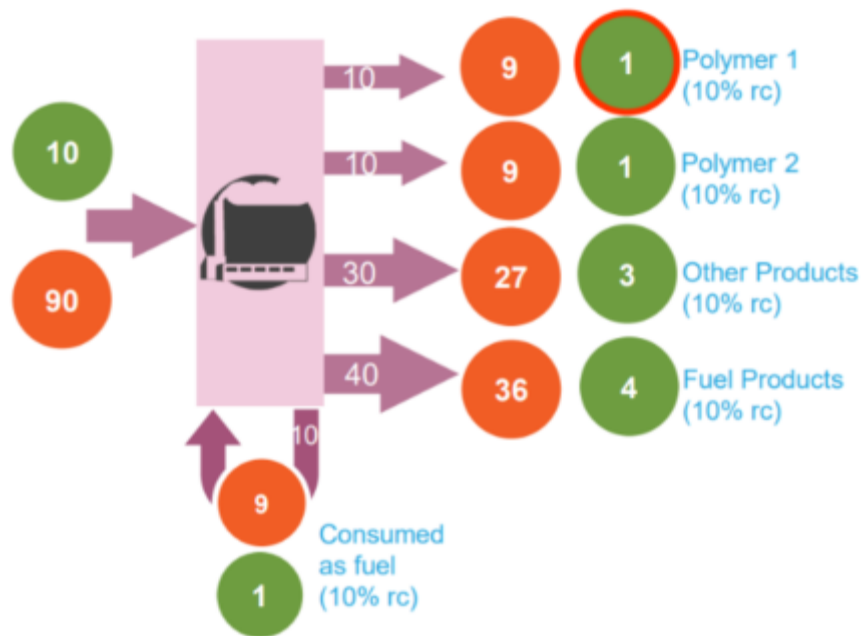


# Mass balance decision tree

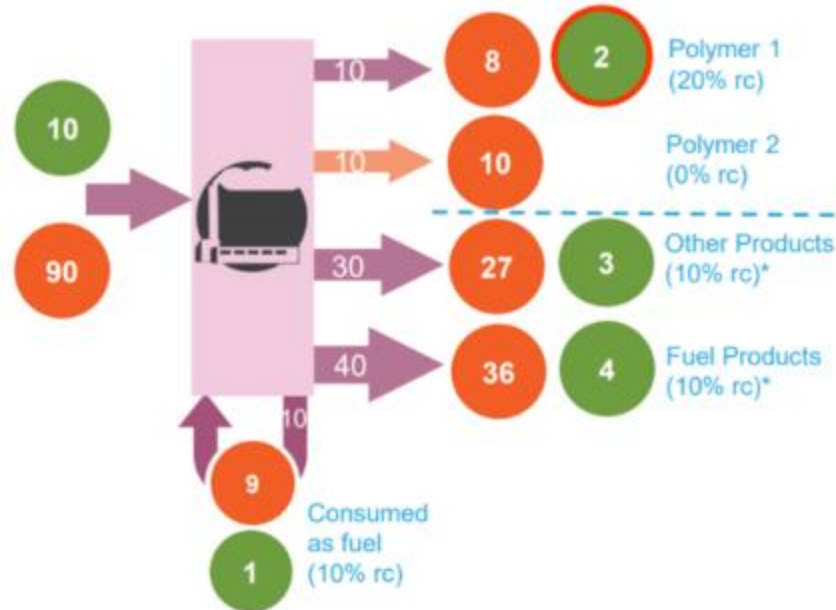


# Mass balance allocation rules

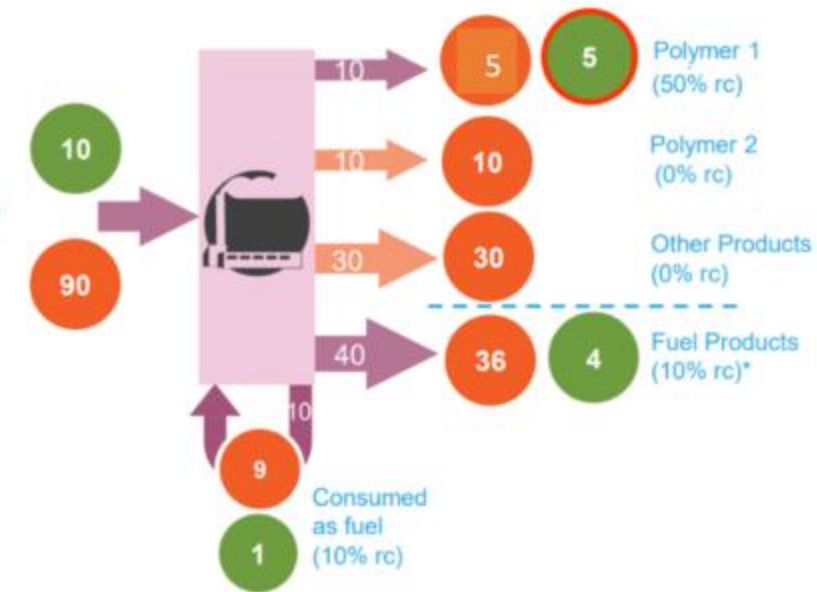
a) Proportional



b) Polymers only



c) Fuel use excluded



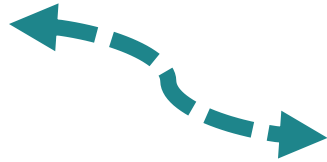
Completely free allocation is not admissible because of the definition of recycling in the Waste Framework Directive.

Source: Eunomia, *Study to develop options for rules on recycled plastic content for the implementing act related to single-use plastic bottles under Directive (EU) 2019/904 (2022)*

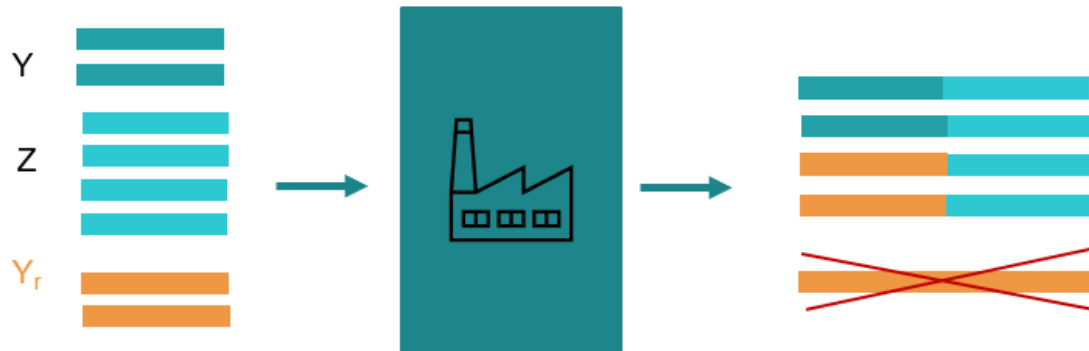
# Other elements

- **Chemical traceability**

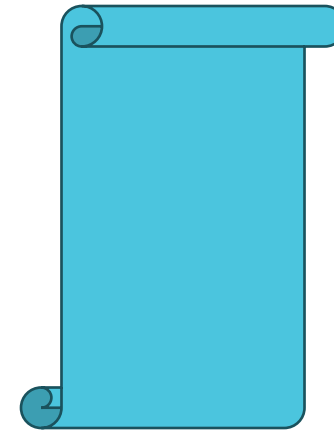
1. Chemical link



2. No overcompensation



- **Verification / certification**



# Thank you

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