

# CONVERSIO

Market & Strategy



## Forecast Model

### „Use of recyclates in Europe 2020 to 2030“

Elaborated for: IK Industrievereinigung Kunststoffverpackungen e.V.



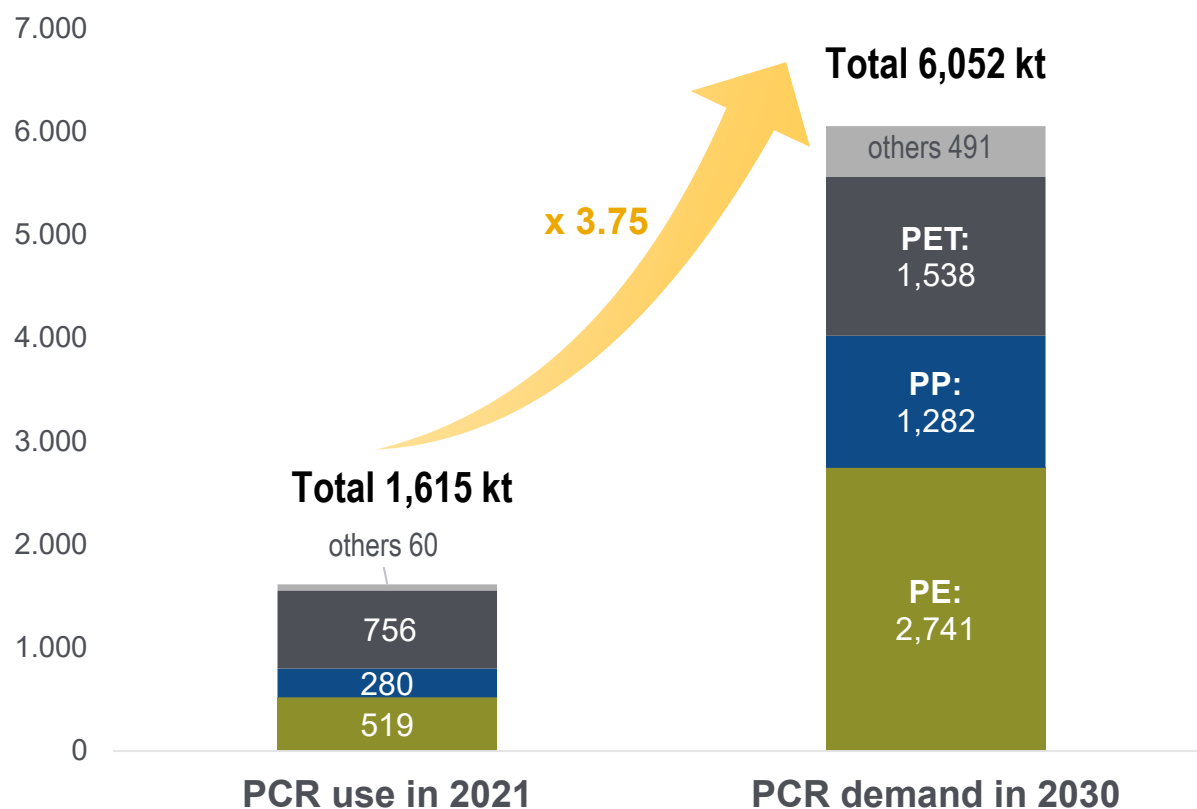
IK Industrievereinigung  
Kunststoffverpackungen e.V.

# Use of recycled plastics in packaging applications in Europe 2030

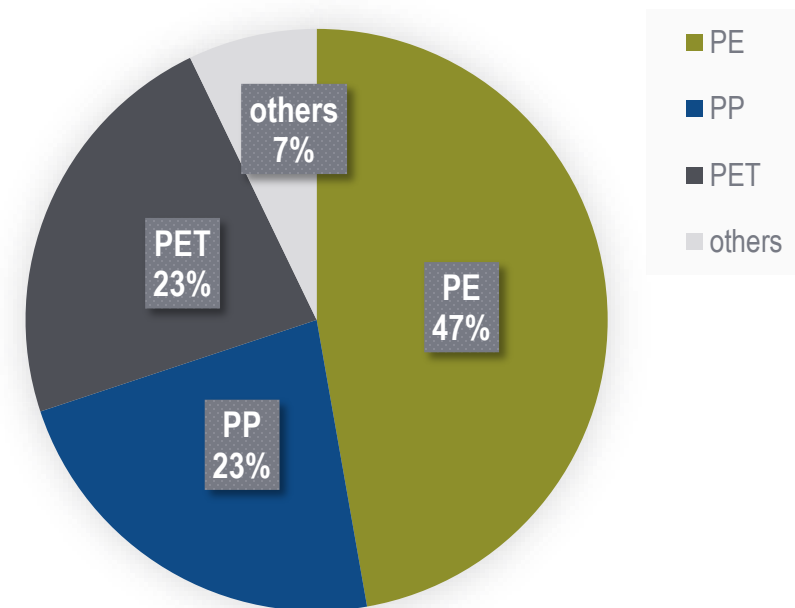
A near quadrupling of recyclate input volumes would be necessary to fulfil the targets of the Packaging and Packaging Waste Regulation (PPWR) by 2030. For polyolefins, the necessary increase is even a factor of five.



Post-consumer recyclates (PCR) in packaging



Processing volumes for packaging by polymer type in Europe 2021

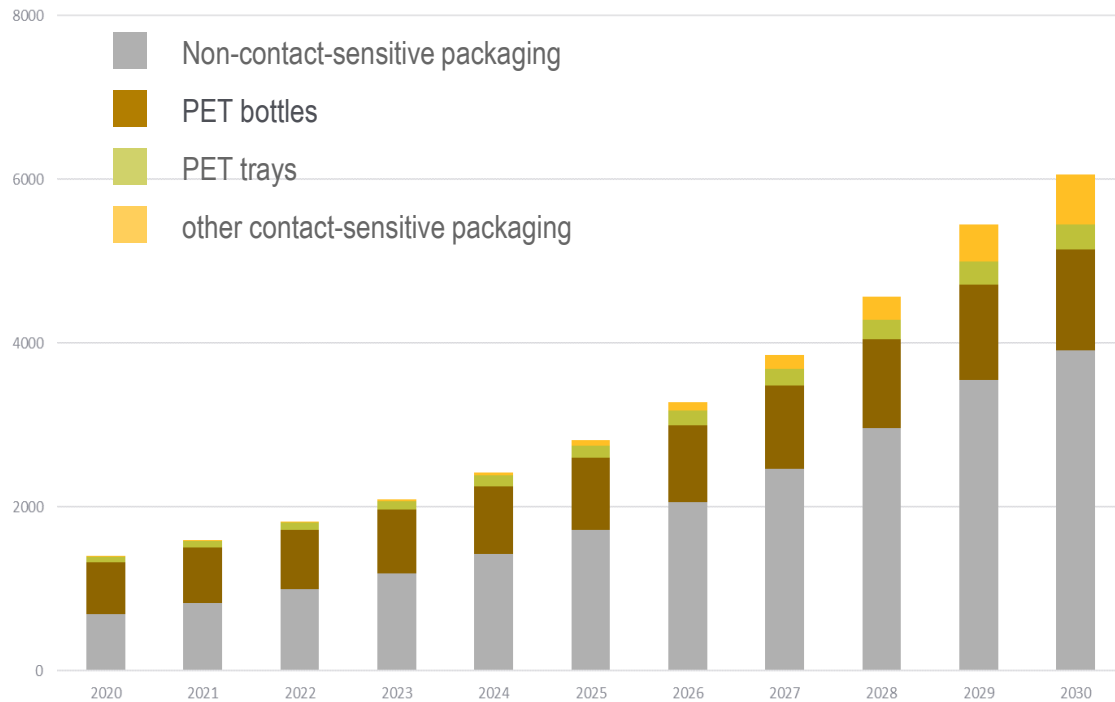




# Forecast Model „Use of recyclates in Europa 2020 to 2030“

Assumptions for calculating post-consumer recyclates (PCR) in packaging by 2030

## Post-consumer recyclates (PCR) in packaging:



## Assumptions of the Forecast Model

- Small increase in the amount of plastic packaging processed in Europe until 2030 (CAGR = 0.5%).
- Non-contact-sensitive packaging is approx. 50% of the total processing quantity.
- PET is divided into 80% bottles and 20% trays. PC recyclates are mainly used in PET bottles.
- Targets for 2030 are achieved, i.e.
  - non-contact-sensitive packaging (35% recycled content),
  - PET bottles (30% recycled content),
  - PET trays (30% recycled content) and
  - other contact-sensitive packaging (10% recycled content)
- Allocation of recyclates EU 2020: PE ~31%; PP ~17%; PET ~50%; others ~2%
- PE and PP recyclates are increasing strongly; slow increase in the PET range (PET decreases in proportion) due to relatively high level of recycling in 2021 compared to Polyolefins.
- Allocation of recyclates EU 2030: PE ~66%, PP ~21%, PET ~25%, others ~8%