CIRCULAR ECONOMY FOR PLASTICS
FRANCE - 2020

CONSUMPTION (private and industrial end-users)
6,450 kt

PRODUCTS IN USE (<1 to >50 years)
3,760 kt

WASTE collection & sorting
1,159 kt

LANDFILL
1,672 kt

ENERGY recovery
929 kt

RECYCLING plants
690 kt

EXPORT SURPLUS
~240 kt

PROCESS LOSSES
~250 kt

CONVERSION to plastic parts and products
4,977 kt

RE-USE & REPAIR

POST-CONSUMER RECYCLED PLASTICS IN MANUFACTURED PRODUCTS
4,780 kt

PLASTICS production (polymerisation)

Chemically recycled feedstock

Bio-based feedstock

Carbon-captured feedstock

Fossil feedstock

COLLECTION AND TREATMENT OF POST-CONSUMER PLASTIC WASTE

PLASTICS PRODUCTS CONSUMPTION

7% (35 kt)

8% (44 kt)

3% (123 kt)

14% (1,687 kt)

22% (1,125 kt)

6% (30 kt)

3% (15 kt)

20% (101 kt)

36% (1,890 kt)

20% (101 kt)

6% (30 kt)

8% (44 kt)

2% (10 kt)

4,977 kt

1,159 kt

1,672 kt

330 kt

440 kt

690 kt

~240 kt

~250 kt

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The data presented on consumption and waste data used for the circular economy graph are based on 2019 available figures. The waste data were revised.

1. Does not include elastomers, adhesives, coatings and sealants. However, for the consumer plastic waste a minor portion from the plastic conversion and from plastic production (representation to a lesser extent).

2. Based on interviews with recyclers.

3. Curing - 626 kt from plastics processing (polymerisation), 379 kt from consumer-recycled plastics and 567 kg from consumer-recycled plastics. Composting of recycled plastics and plastics from polymerisation may occur prior to 1,672 kt recycling not yet taking place in France.

4. Process losses are usually sent to energy recovery or landfill. Parts of plastics instead could be recycled at a lesser extent.

5. Carbon Capture and Use (e.g. CO2) is for plastic polymerisation only yet used in France.