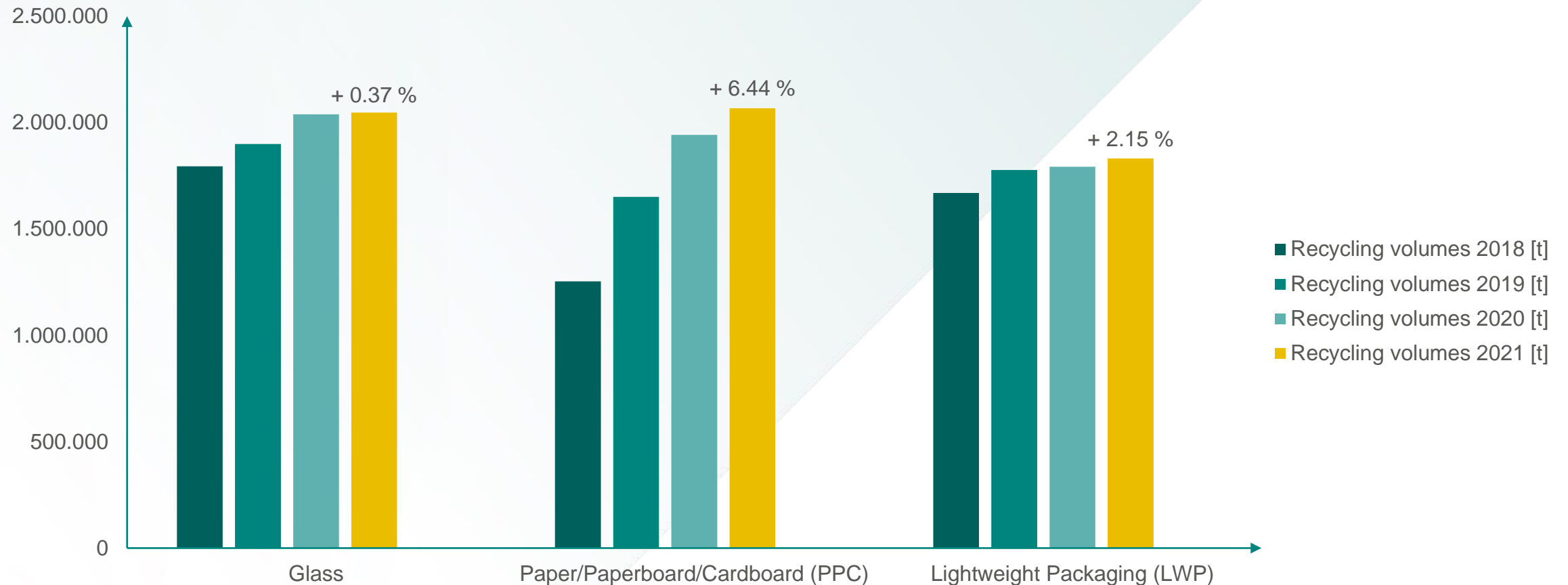


Recycling volumes for private final consumer packaging 2018 – 2021

Increases in all collection groups



➔ **A total of roughly 5.9 million tonnes of used packaging from private final consumers was transferred for recovery in 2021, representing a year-on-year increase of around 3 %.**

Recycling rates 2021

In the 2021 reference year, the systems achieved the following recycling rates:

	PPC	Glass	Plastics		Aluminium	Ferrous metals	Beverage carton packaging	Other composite packaging
			Total	Mechanical				
Recycling rate 2021	90.9 %	84.8 %	110.0 %	65.5 %	113.4 %	100.1 %	76.2 %	69.6 %
VerpackG target	85.0 %	80.0 %	90.0 %	58.5 %	80.0 %	80.0 %	75.0 %	55.0 %
	+5.9 %	+4.8 %	+20.0 %	+7.0 %	+33.4 %	+20.1 %	+1.2 %	+14.6 %
YoY	+0.3 %	+2.4 %	+6.0 %	+4.9 %	+6.4 %	+7.1 %	+0.2 %	+7.0 %

The systems' recycling rates posted a year-on-year increase across all material groups, as did the system's total recycling rate pursuant to section 16 (4). Of the waste collected in yellow bins and sacks – sorting errors included – a total of 51.6 % was recycled (required: 50 %).

- ◆ For plastics and metal packaging, recycling rates are over 100 %. That is a clear indication that underparticipation is continuing.
- ◆ For paper/paperboard/cardboard packaging (PPC), 100 % was recycled but not fully evidenced because conditions had not been agreed with local authorities in some cases.
- ◆ The higher target requirements taking effect in 2022 were only met by the paper, metal packaging and plastics recycling volumes in 2021 (overall and mechanical).

Summary report on volume flow records and sorted packaging exports

Exports of sorted plastic packaging

Exports of sorted plastic packaging were slightly lower in 2021 than the 19.37 % registered in 2020. The vast majority of destination countries for the exports were within the EU.

The following is an overview of all sorted plastic packaging for 2021 (incl. mixed plastics):

All systems / all plastics	Percentage
Recovery within Germany	82.58 %
Recovery outside of Germany	17.42 %
thereof within the EU	16.84 %
thereof non-EU (Turkey, Switzerland, Serbia)	0.58 %

Note:

This includes almost 6,100 tonnes of plastic that were not recognised by the ZSVR due to a lack of evidence of recovery.

Summary report on volume flow records and sorted packaging exports

Exports of sorted composite packaging

Exports of other composites made of paper/paperboard/cardboard (excluding beverage carton packaging) for recycling are decreasing.

The following **overview** of other composites shows the **data** through **2021**:

All systems/ other composites	2019 in %	2020 in %	2021 in %
Recovery within Germany	73.25 %	70.69 %	81.86 %
Recovery outside of Germany	26.75 %	29.31 %	18.14 %
thereof within the EU	26.75 %	25.49 %	18.14 %
thereof non-EU	0.00 %	3.82 %	0.00 %

Note:

This includes around 1,250 tonnes of other composite packaging that were not recognised by the ZSVR due to a lack of evidence of recovery.

Summary report on volume flow records and sorted packaging exports

Exports of sorted beverage carton packaging

Beverage carton packaging, too, is increasingly being recovered within in Germany.

The following **overview** of beverage carton packaging shows the **data** through **2021**:

All systems/ beverage carton packaging	2019 in %	2020 in %	2021 in %
Recovery within Germany	82.93 %	76.21 %	92.05 %
Recovery outside of Germany	17.07 %	23.79 %	7.95 %
thereof within the EU	11.01 %	12.98 %	7.95 %
thereof non-EU	6.06 %	10.81 %	0.00 %

Notes:

This includes around 840 tonnes of beverage carton packaging that were not recognised by the ZSVR due to a lack of evidence of recovery.