

CMS Collection report 2022

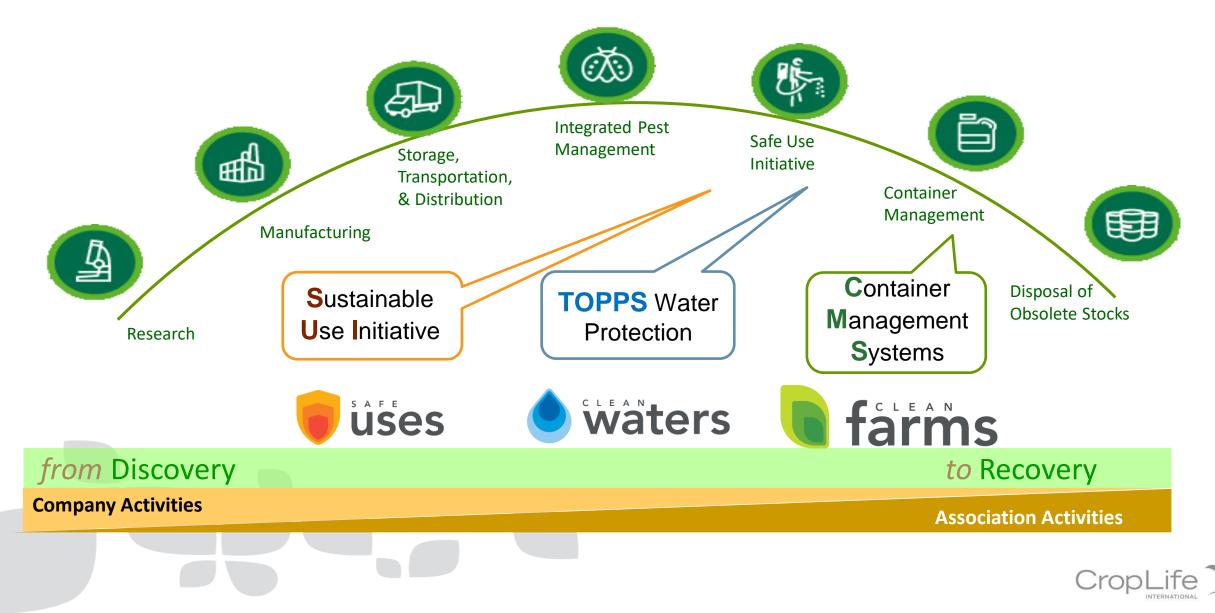
CLE Packaging Expert Group (PTSG) October 2023



Industry initiatives for Container Management



Stewardship Lifecycle for Crop Protection Chemicals



Industry initiatives for Container Management

Objectives & Activities

Objectives

- Prevent the production of hazardous waste and the residues exposure for humans and the environment
- Maximise the collection of empty packaging
- Contribute to circular economy by promoting safe recycling of high value material

Key Activities

- Promote proper container rinsing to minimize residues & risks
- Retrieve empty pesticide packaging from farms via build up of country-specific collection system
- Achieve suitable disposal or recycling end-use













KPIs of benchmarked CM Systems

in Europe



Industry initiatives for Container Management

Overview of CMS in Europe (2022)

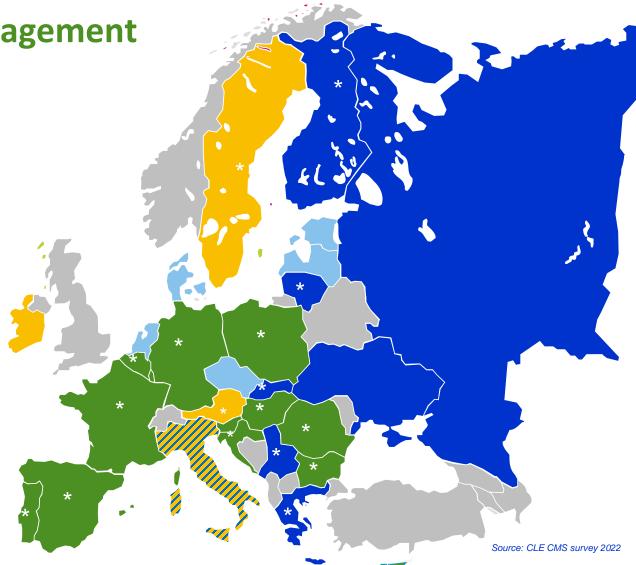
	fär	ms Nat	ionwide	e indus	try run	CMS (M	ature)
$\left(\right)$		green-dot	ADIVALOR	PRANIRA	AgriRecover		
	(BG)	(CY)	(FR)	(DE)	(BE)	(ES)	
	CROCPA ENCO MODEL (HR)	CSEBER (HU)	(PL)	valorfito (PT)	(RO)	SLOPAK- 21VINO Z OKOLJEM (SI)	

🛢 fໍ່ລໍ່ຕໍ່ໍ່ໍ່າສັ່ງ Industry run pilot CMS

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(RS)	(GR)	(LT)	(SK)	(FI)	(RU)	(UA)	

Countries with independent collection programme(s), some of them joint by industry. E.g.:



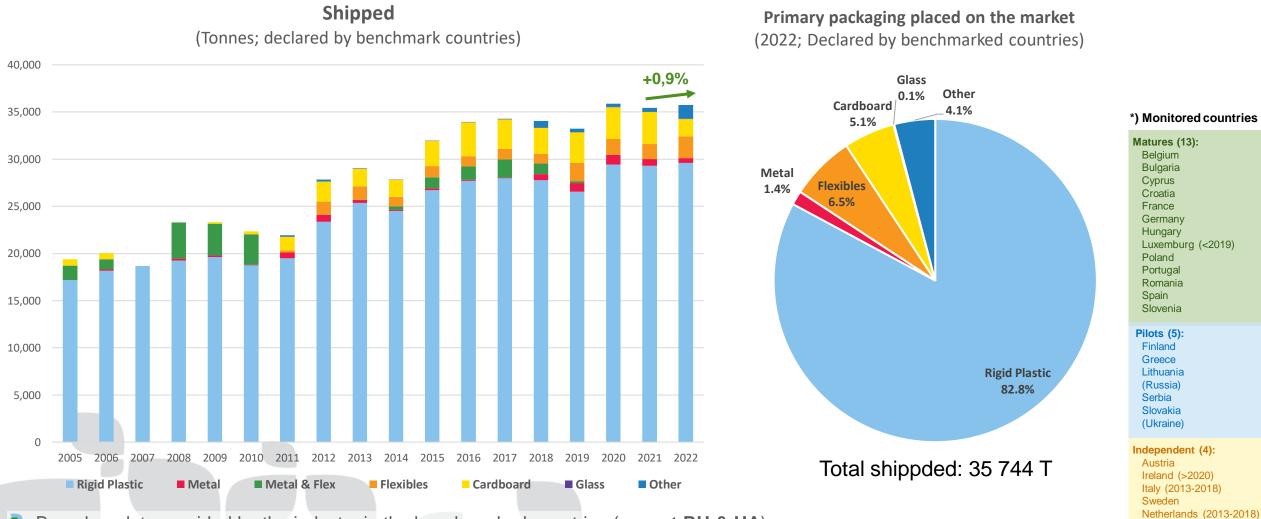


Projects in assessment / design phase

- Countries with no (known) dedicated CMS. Pesticide packaging waste are collected via other collection routes
- * "Countries providing annual CLE statistics are the Mature, Pilots + Austria, Ireland and Sweden. In addition, Italy and the Netherlands have occasionally provided <u>partial</u> collection data. CMS in Luxembourg has been managed by a new EPR since 2019, with no data provided so far. Since 2022, no data are available for Russia and Ukraine



Synopsis 2005 – 2022 (benchmarked countries): Packaging placed on the market



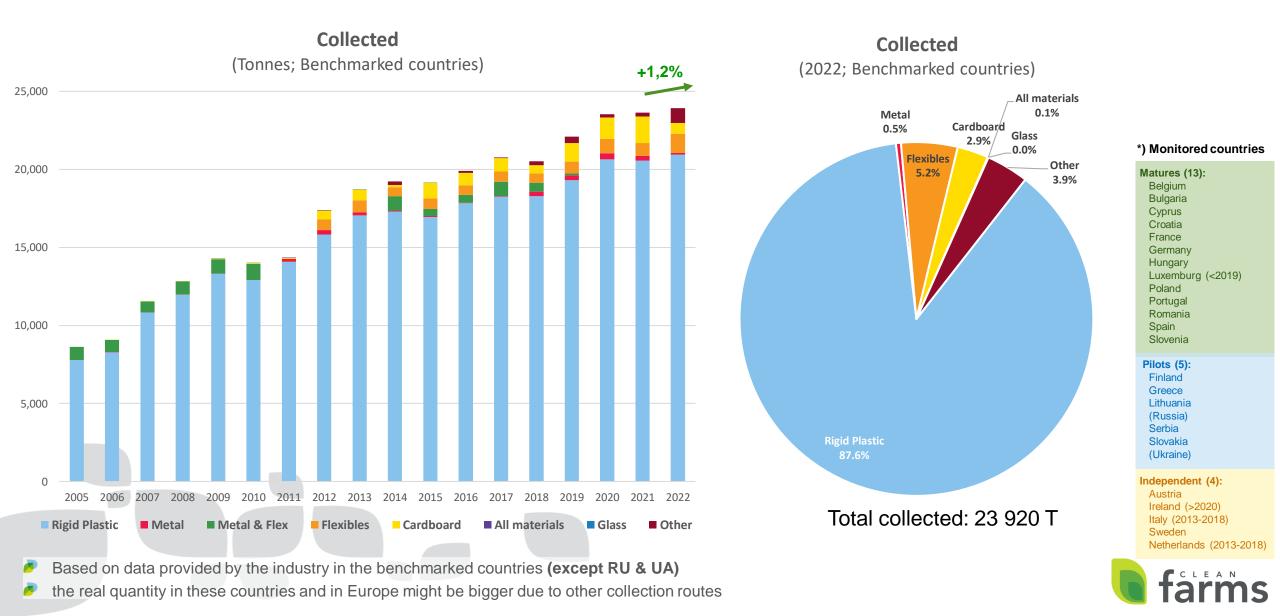
- Based on data provided by the industry in the benchmarked countries (except RU & UA).
- The total market in these countries and in Europe might be bigger because some programmes declared only the data about rigid plastic containers.



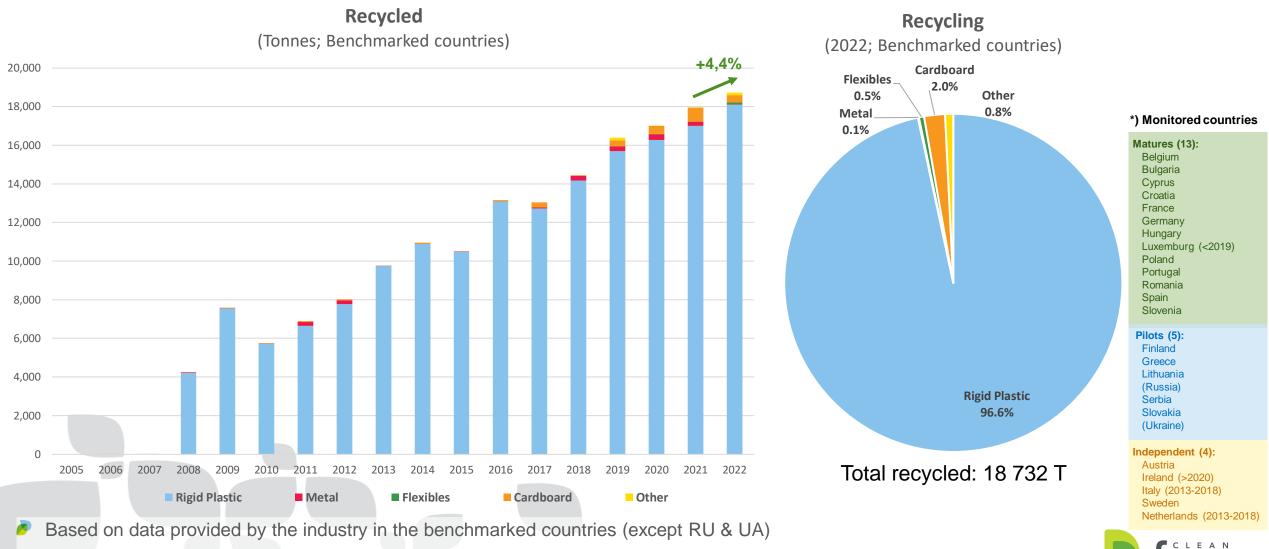
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Synopsis 2005 – 2022 (benchmarked countries): Packaging collected



Synopsis 2005 – 2022 (benchmarked countries): Packaging Recycled

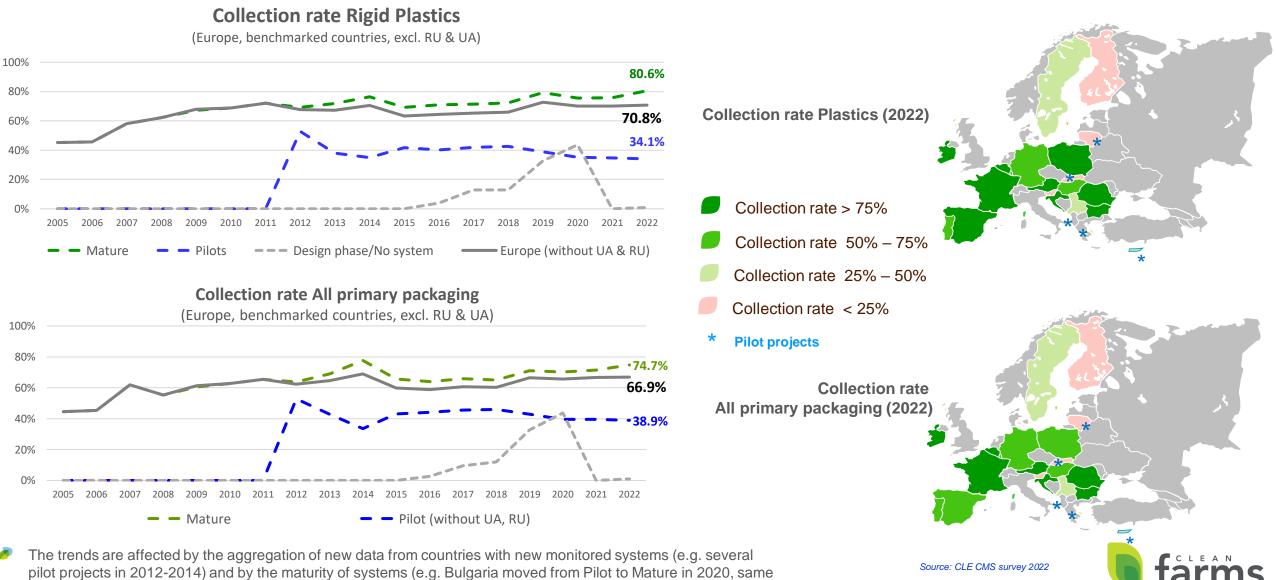


the real quantity in these countries and in Europe might be bigger due to other collection routes



Performance overview (collection rate; benchmarked countries)





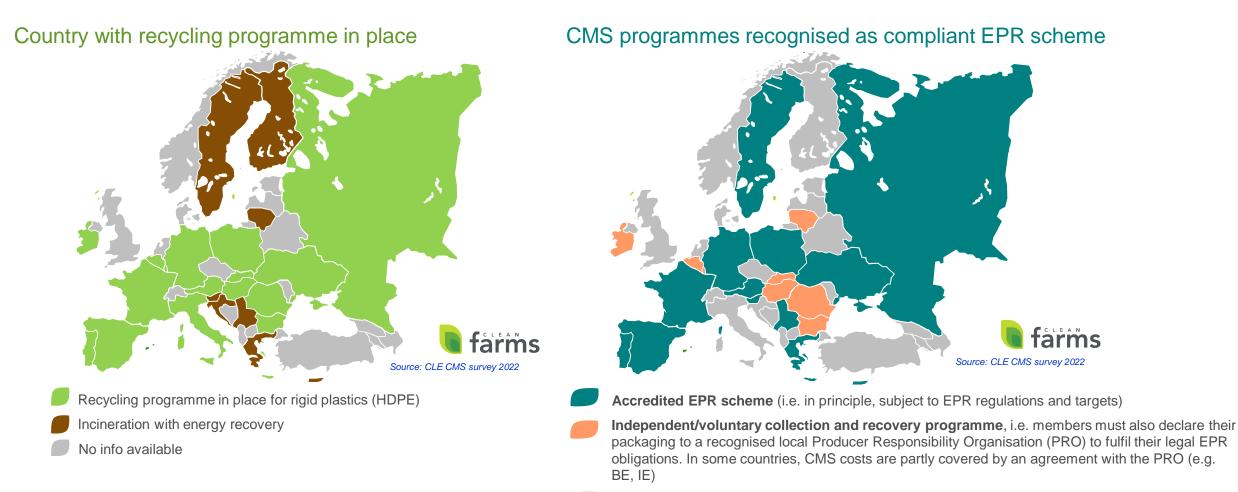
for Cyprus in 2022; Ireland moved from Design Phase to Pilot in 2021)

*) Benchmarked countries (Europe, except RU & UA)

Implementation of Container Management Strategies

CMS with recycling programmes; CMS recognised as compliance EPR programme





Remarks:

- > For the EU legal targets for 2025/2030, only the packaging that has been "prepared for reuse or <u>recycling</u>" will be recognised.
- CMS programmes that are recognised as EPR scheme will have to comply with EU legal targets 2025/2030; i.e. to have recycling programme in place, unless regulated differently by the local laws

No EPR obligation on PPP packaging or information not available

^{*)} waste which, having undergone all necessary checking, sorting and other preliminary operations to remove waste materials that are not targeted by the subsequent reprocessing and to ensure high-quality recycling, enters the recycling operation whereby waste materials are actually reprocessed into products, materials or substances (PPWD 94/62EC, Art.6a)

Container Management Strategies



CMS performance for industry-run CMS programmes in Europe (2022)

- Primary objective for pesticide container management strategies (CMS) is to reduce risks at the source by promoting thorough rinsing of empty containers and by maximising the return of packaging wastes. Collection rate is the key performance indicators for collection and recovery programmes for pesticide containers.
- Safe and controlled recycling of the plastic material is an important contribution to the sustainability of these programmes and to the Circular Economy.

	emark CMS programmes year of collection start)	Collection rate 2022 [Plastics; Trend last 3y)	Final treatment (% of quantity collected)				
(100-)	AgriRecover www.agrirecover.eu	80% 🛪	Recycling (98%)				
	SCPP (ССОП) www.bgcpa.eu	87% 🎽	Recycling (100%)				
	Green-dot Cyprus	46% 🛪	Energy Recovery (100%)				
(1000)	PAMIRA www.pamira.de	71% 🎽	Recycling (97%) Energy Recovery (4%)				
(2222)	SGIFITO www.sigfito.es	80%* 🛪	Recycling (100%)				
(2222)	ADIVALOR	88% 🛪	Recycling (97%) Energy Recovery (3%)				
(2000)	CROCPA EKO MODEL	97% 🔶	Energy Recovery (100%)				
(CSEBER www.cseber.hu	69% 🛪	Recycling (50%) Energy Recovery (45%) Incineration (5%)				
(2224)	System PSOR	77%* 🛪	Recycling (80%) Energy Recovery (20%)				
(0000)	Valorfito	64% 🛪	Recycling (99%) Landfilled (1%)				
(0007)	SCAPA www.aiprom.ro	107% 🛪	Recycling (56%) Energy Recovery (42%) Incineration (2%)				

Tr	ademark CMS programmes (year of collection start)	Collection rate 2022 [Plastics; Trend last 3y)	Final treatment (% of quantity collected)			
SI (2010)	SloPak SLOPAK- www.slopak.si	14% 🎽	Energy Recovery (100%)			
AT	Various collection programmes	85% 🗲	Recycling (75%) Energy Recovery			
IE	Farm Plastics Recycling CLG	80% 🛪	Recycling (100%)			
SE	SvepRetur www.svepretur.se	45% 🎽	Energy Recovery (100%)			
EL (2014)	CYCLOS (from 2023) www.esyf.gr	0% 🎽	(no collection in 2022)			
LT (2016)	LT Crop Life Lithuania (CLL) www.augaluapsauga.lt	4% 🛪	Energy Recovery (100%)			
SK (2014)	zora www.agrozora.sk 2 OR A	7% 🛪	Recycling (100%)			
SR (2013)	SECPA EKO MODEL	46% 🎽	Energy Recovery (100%)			
UA (2021)	AGRO VARTA www.agrovarta.org	On hold	Recycling (100%)			
FI	Various collection programmes (distributors)	8%	Energy Recovery			







CLE Commitment for Circular Economy Monitoring of the Commitments implementation in EU MS

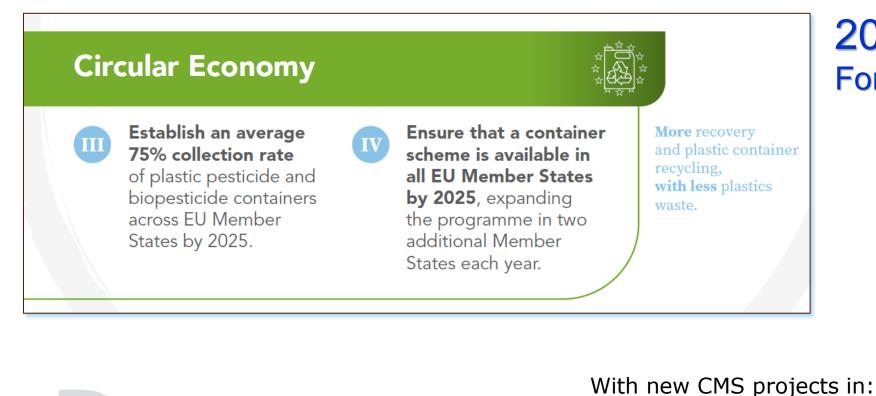




CLE Commitments for the Circular Economy

Aims and Overall Objectives

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2030 Commitments For the Future of #Ag

Czech Republic; Estonia;

Denmark; Latvia; Finland;

Ireland; Malta & The Netherlands

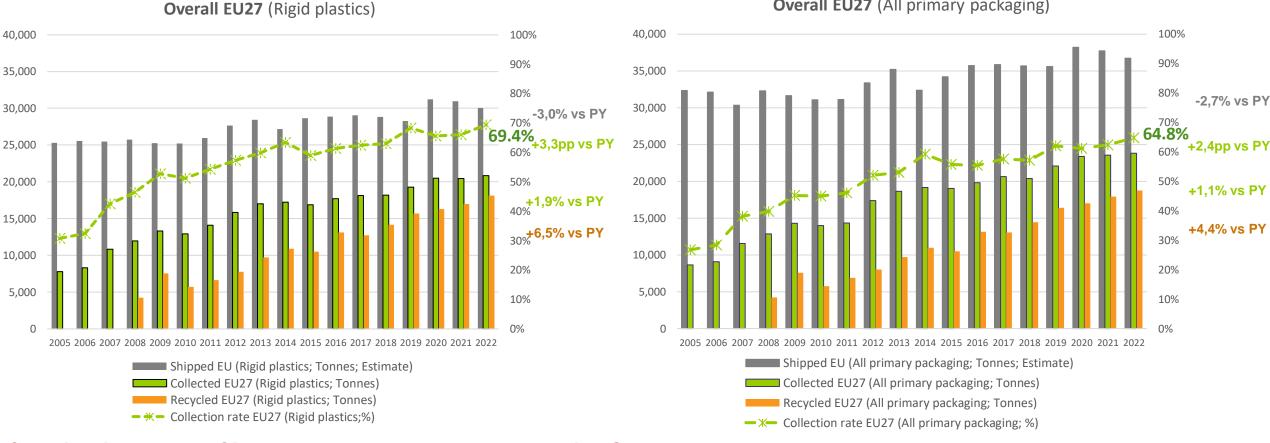
2030 Commitments For the Future of #Ag



CLE Commitments for the Circular Economy

Overview of Container Management progresses in Europe (all EU27 MS)





Overall EU27 (All primary packaging)

Contributions to the Circular Economy and the EU Plastics Strategy:

- Risks reduction at the source (packaging design; rinsing; separate collection; minimized production of hazardous waste)
- Collected over 312,450 metric tonnes of packaging since 2005 (EU)
- Recycled over 170,000 metric tonnes of high valuable plastics in safe applications since 2005 (EU)

*) Quantities shipped are based on data provided by countries for those who have this data and on estimates for countries that don't have this data available. Quantities collected and recycled are only based on data provided by the monitored countries with dedicated collection schemes for packaging wastes from pesticide products or other inputs for agricultural production.



CLE Commitments for the Circular Economy (EU MS)

Implementation monitoring: status 2022





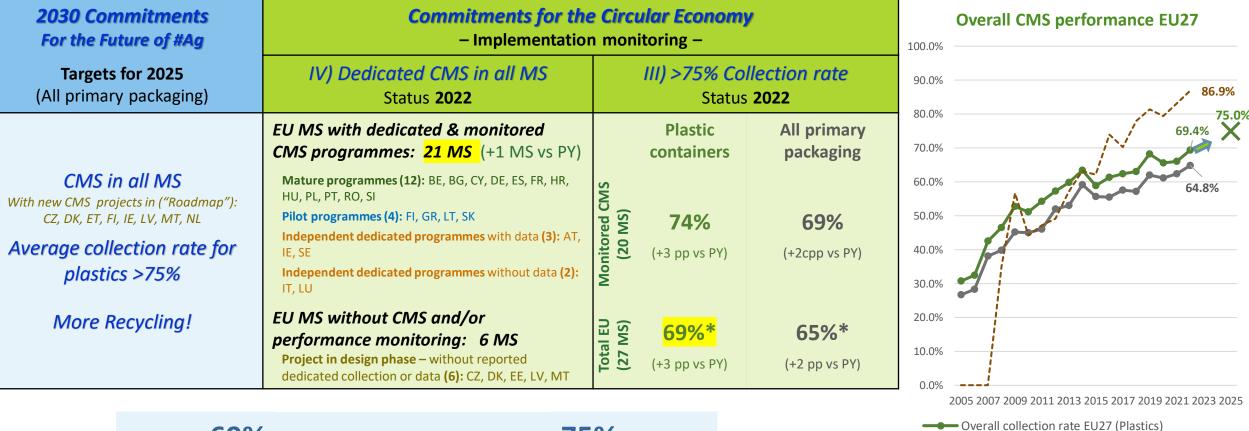
ALL EU MS		Rigid plastics collected: Tonnage & Collection rate									All primary collected: Tonnage & Collection rate									
(EU27)	2020	2021	2022	Trend (past 3Y)	2020	2021	2022	Δ 3y Achieved (2022-2020)	2025 (Target)	Δ 3y To do (2025-2022)	2020	2021	2022	Trend (past 3Y)	2020	2021	2022	Δ 3y Achieved (2022-2020)	2025 (Target)	Δ 3y To do (2025-2022)
Austria	167	192	173	→	73.9%	94.3%	83.0%	9.1 pp	88%	5 pp	330	342	313	7	78.3%	90.5%	84.0%	5.7 pp	88%	4.0 pp
Belgium	444	531	431	→	72.9%	89.6%	79.7%	6.8 рр	>90%	>11 pp	506	640	530	7	72.7%	86.4%	74.9%	2.1 рр	>90%	>15 pp
Bulgaria	479	441	410	3	95.1%	93.9%	86.8%	-8.3 pp	<i>>90%</i>	>6 pp	479	441	410	7	86.8%	85.1%	78.8%	-8.0 pp	>90%	>11%
Croatia	275	276	225	3	96.7%	97.2%	93.0%	-3.7 pp	>90%	!!	275	276	291	T	79.8%	80.2%	99.4%	19.6 pp	>90%	!!
Cyprus	15	18	18	→	28.7%	46.0%	48.0%	19.3 pp	65%	17 pp	15	18	18	→	25.0%	42.7%	40.1%	15.1 pp	60%	21 pp
Czechia	0	0	0	-	0.0%	0.0%	0.0%		25%	25 pp	0	0	0	-	0.0%	0.0%	0.0%	-	25%	25 pp
Denmark	0	0	0	-	0.0%	0.0%	0.0%	-	20%	20 pp	0	0	0	-	0.0%	0.0%	0.0%	-	20%	10 pp
Estonia	0	0	0	-	0.0%	0.0%	0.0%	-	15%	15 pp	0	0	0	-	0.0%	0.0%	0.0%	-	15%	15 pp
Finland	0	0	12	7	0.0%	0.0%	8.0%	8 pp	30%	22 pp	0	0	12	T	0.0%	0.0%	7.3%	7.3 рр	30%	23 рр
France	5,343	5,214	5,573	7	86.4%	88.6%	87.6%	1.2 рр	>90%	>2 pp	5,803	5,895	6,027	T	82.9%	88.0%	85.3%	2.4 рр	>90%	5 pp
Germany	2,902	2,955	2,935	→	80.6%	76.4%	70.7%	-9.9 pp	75%	4 pp	2,983	3,005	3,000	→	78.8%	73.7%	69.1%	-9.8 pp	75%	6 рр
Greece	12	15	0	2	1.4%	1.7%	0.0%	-1.4 pp	35%	35 pp	12	15	0	7	1.2%	1.6%	0.0%	-1.2 pp	35%	35 pp
Hungary	1,057	1,033	1,018	3	65.3%	68.1%	69.4%	4.1 pp	77%	4 pp	1,516	1,563	1,554	R	64.3%	67.4%	68.7%	4.4 pp	77%	8 pp
Ireland	129	152	187	7	43.6%	47.9%	79.8%	36.1 pp	65%	!!	129	152	187	T	39.7%	43.6%	72.5%	32.9 pp	60%	!!
Italy*	1,110	1,063	1,063	?	58.0%	58.0%	58.0%	?	65%	7 рр	1,762	1,688	1,688	?	58.0%	58.0%	58.0%	-	65%	7 рр
Latvia	0	0	0	-	0.0%	0.0%	0.0%	-	30%	30 pp	0	0	0	-	0.0%	0.0%	0.0%	-	20%	20 pp
Lithuania	12	19	21	7	2.7%	4.7%	4.6%	1.9 pp	50%	45 pp	12	19	21	7	2.7%	4.6%	4.5%	1.8 pp	50%	45 pp
Luxembourg*	9	9	9	?	63.3%	63.3%	63.3%	?	75%	12 pp	13	13	13	?	64.9%	64.9%	64.9%	-	70%	6 рр
Malta	0	0	0	-	0.0%	0.0%	0.0%	-	10%	10 pp	0	0	0	-	0.0%	0.0%	0.0%	-	10%	10 pp
Netherlands	0	0	0	-	0.0%	0.0%	0.0%	-	35%	35 pp	0	0	0	-	0.0%	0.0%	0.0%	-	30%	30 pp
Poland	2,091	2,001	2,161	7	69.9%	63.6%	77.1%	7.2 рр	77%	!!	2,201	2,106	2,402	7	67.2%	61.0%	73.1%	5.8 pp	75%	3 рр
Portugal	328	396	403	7	36.1%	54.8%	64.1%	28.0 pp	65%	!!	454	480	459	→	40.9%	51.6%	57.7%	16.8 pp	67%	9 pp
Romania	1,336	1,533	1,963	7	73.7%	93.5%	106.8%	33.1 pp	93%	!!	1,559	1,738	2,180	7	57.3%	68.0%	77.2%	19.8 pp	80%	3 рр
Slovakia	13	20	26	7	4.6%	6.6%	9.1%	4.5 pp	50%	41 pp	13	20	26	7	4.2%	6.0%	8.3%	4.1 pp	50%	40 pp
Slovenia	70	71	(0)	2	81.9%	82.0%	(0.0%)	(-81.9 pp)	85%	(85 pp)	90	87	15	3	76.5%	77.8%	14.4%	(-62.1 pp)	80%	68 pp
Spain	4,498	4,373	4,081	2	72.3%	67.2%	79.7%	7.4 рр	78 %	!!	5,012	4,899	4,534	3	63.0%	61.6%	70.9%	7.9 рр	75%	4 pp
Sweden	198	141	135	3	57.7%	46.4%	45.0%	-12.7 pp	70 %	25 pp	198	141	135	3	52.4%	42.2%	40.9%	-11.5 pp	70%	27 рр
27	20,488	20,453	20,832	7	65.6%	66.0%	69.4%	3.7 рр	>75%	>6 pp	23,364	23,539	23,802	7	61.2%	62.4%	64.8%	3.7 рр	75%	10 pp

*) Estimates based on data from previous years or on studies

CLE Commitments for the Circular Economy

Progress monitoring: status 2022





69% EU collection rate (Rigid plastics) 21/27 EU Member States with CMS 69% 2022 2025 75% Target EU collection rate (Average) 100% Target for availability in EU Member States

*) Calculated as total quantity collected by monitored programmes (19 MS) vs total quantity plastic packaging shipped in the EU27 market (where data is not available, quantity is estimated based on market sales data).

----- Overall collection rate EU27 (All primary; estimate)

---- Overall recycling rate EU27 (% of plastics collected)



CLE Commitments for the Circular Economy (EU MS) Implementation monitoring: summary 2022



- Reach overall 69% collection rate for rigid plastics for EU27 (+ 3%-points vs PY).
- Positive but fragile progress: 2/3 due to decrease of plastic shipped, 1/3 due to collection increase
- The collection and collection rate of the other packaging slightly decreased in 2022. Nevertheless, the trend for all primary packaging is positive with 64,8% collection rate reached in 2022 (+2,4%-points vs PY), thanks to the good increase of the rigid plastics.
- The attention on the "Other primary packaging" is still unsatisfactory, with several countries not collecting the data and/or not providing a collection service for these packaging!
- 21 MS with monitored dedicated collection (+1 MS vs PY). +1 MS "Mature" CMS (CY)
- At least +2 MS expected with monitored dedicated collection in 2023 (DK, NL). Maybe also data for CZ, EE, LV, and IT?
- Critical to progress in countries with new & pilot projects to reach the 75% targets. Quantities shipped for these countries are already integrated in the EU27 statistics (based on estimates). I.e every kg collected and reported for this countries counts!
- Each additional 300 T of plastics collected in EU27 adds +1%-point towards the 75% target! With 6%-points missing, we need to collect around +1800 T per year from 2025 onwards in EU27.