



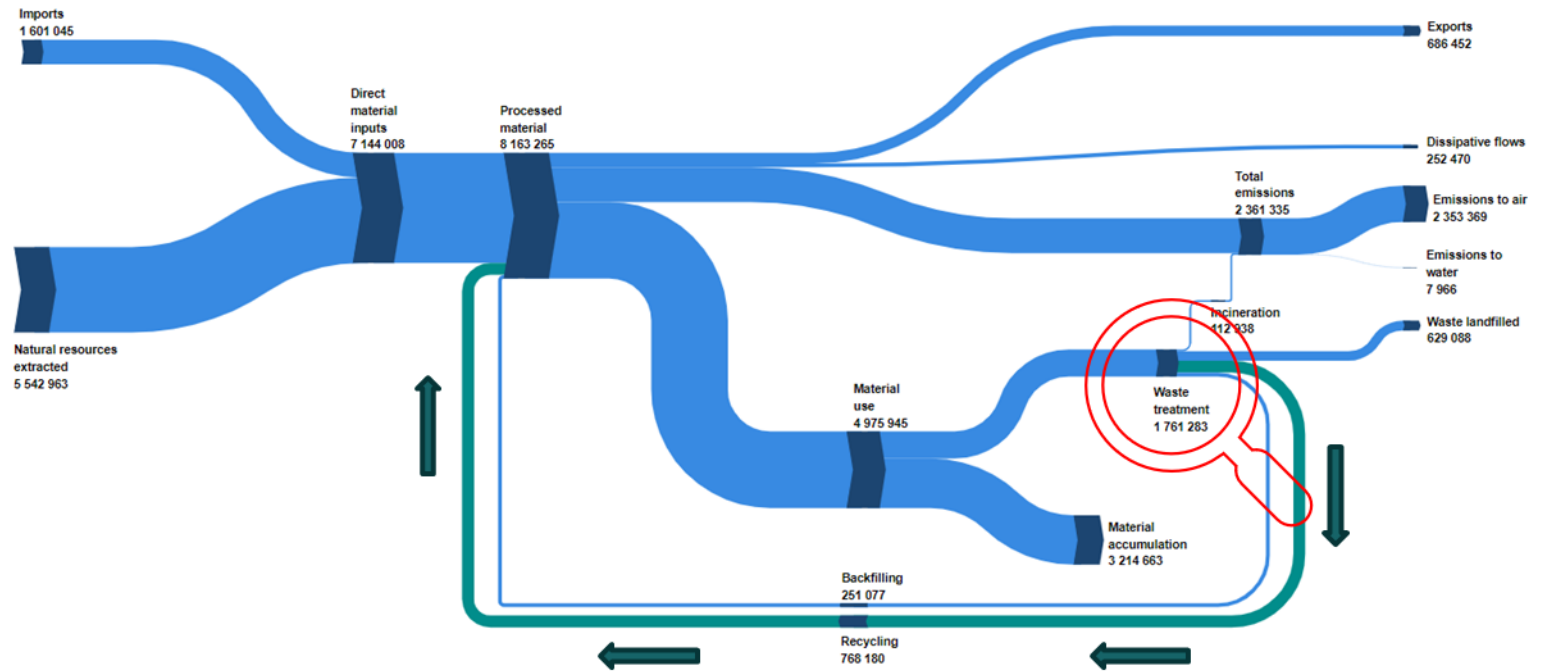
# Waste characterisation

Waste Statistics Panel and Discussion on emerging waste topics, use and analysis of national data

*Oscar GÓMEZ-PRIETO, Eurostat*

# Policy needs – circular economy, targets

- Follow flows of waste back into the economy
- Find opportunities for increase circularity (mixed waste)
- Monitor environmental policy targets: example: plastic packaging



# Waste characterisation & waste flows

Reporting obligations  
derived from  
legislation, [Waste  
Framework Directive](#)



Joint  
questionnaire



Collected amounts, by  
flows  
(mixed waste, separate  
collections, bulky waste, ...)



Waste  
characterisation  
projects  
(representative of  
population)



Waste generation  
by fractions  
(metals, plastic, wood,  
biowaste, batteries,  
electric equipment,  
textiles, ...)

Treatment



# Thank you



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Slide 2: pictures and pictograms, source: pixabay.com

# References

- [Eurostat's waste statistics methodology website](#)
- [Municipal waste statistics and municipal waste reporting obligations guidance document](#)
- [Municipal waste statistics – Joint OECD/Eurostat questionnaire](#)
- [Municipal waste reporting obligations – questionnaire](#)
- [Questionnaire on municipal waste landfills](#)
- [Municipal waste – document on special cases](#)

# Joint questionnaire

Municipal waste	WST_OPER	UNIT	DATA
Total municipal waste generated*	GEN	Tonnes	871 612
Waste generated by households (OECD)	GEN_HH	Tonnes	
Waste generated by other sources (OECD)	GEN_OTH	Tonnes	
Separate collection (of total municipal waste generated)	COL_SEP	Tonnes	346 706
Municipal waste treated (of the waste generated, no matter in which country)*	TRT	Tonnes	848 270
Recovery	RCV	Tonnes	468 729
Preparing for reuse	PRP_REU	Tonnes	
Recycling - material	RCY_M	Tonnes	295 263
of which Metal recycling from incineration bottom ash	RCY_M_IBA	Tonnes	
Recycling - composting and digestion	RCY_C_D	Tonnes	147 818
of which Separate collection and recycling of biowaste at source - e.g. home composting	COL_SEP_RCY_S	Tonnes	
Recovery - energy recovery (R1)*	RCV_E	Tonnes	25 648
Recovery - other*	RCV_OTH	Tonnes	0
Disposal	DSP	Tonnes	379 541
Disposal - incineration (D10)*	DSP_I	Tonnes	0
Disposal - landfill (D1, D5, D12)*	DSP_L	Tonnes	379 541
Disposal - other (D2-D4, D6-D7); (OECD)	DSP_OTH	Tonnes	
Coverage of the collection system (share of population covered by the data)	COV	%	100



# Reporting obligations

Reference year:		2021						
Codes	Municipal waste	List of Waste codes (LoW) (for generated amounts only)	Municipal waste generated (tonnes) <sup>(1)</sup>	Separate collection <sup>(8)</sup> (tonnes)	Preparing for reuse (tonnes)	Recycling (tonnes)	Energy recovery (tonnes) <sup>(2)</sup>	Other recovery (tonnes) <sup>(3)</sup>
			GEN	COL_SEP	PRP_REU	RCY	RCV_E	RCV_OTH
TOTAL	Total		3,170,388	1,310,585	14,307	1,298,255	1,312,957	14,884
W063_122_MUN	Metals	20 01 40, 15 01 04, 15 01 11*	161,990	98,707	0	97,950	1230	0
W063_122_MUN_INC	Metals seperated after incineration	20 01 40, 15 01 04, 15 01 11*				22,670		
W071_MUN	Glass	20 01 02, 15 01 07	193,063	164,261	0	152,118		
W074_MUN	Plastic	20 01 39, 15 01 02	350,172	121,130	0	83,259	95,050	0
W072_MUN	Paper and cardboard	20 01 01, 15 01 01	697,916	461,970	310	372,747	101,964	0
W091_092_MUN	Bio-waste	20 01 08, 20 01 25, 20 01 26	626,975	331,747		331,747	233,782	738
W091_092_MUN_S	Bio-waste seperated and recycled	20 01 08, 20 01 25, 20 01 26	155,847			155,847		
W075_MUN	Wood	20 01 37*, 20 01 38, 20 01 39	74,655	46,068	0	23,749	50,832	0
W076_MUN	Textiles	20 01 10, 20 01 11, 15 01 09	136,463	24,504	13,819	216	74,398	0
W082_84_MUN	Electrical and electronic equipment	20 01 21*, 20 01 23*, 20 01 24*	68,747	60,605	178	50,404	9,119	0
W0841_MUN	Batteries	20 01 33*, 20 01 34	2,198	1,592	0	1,286	559	0
W1011_MUN	Bulky waste <sup>(6)</sup>	20 03 07	471,829	0	0	0	4,760	0
W1011_1021_MUN	Mixed waste	20 03 01, 15 01 06	141,622				737,126	14,146
MUN_OTH	Other	See below <sup>(7)</sup>	88,912	0	0	6,262	4,136	0