

# Investigating the role of municipal waste treatment within the European Union through a novel created common sustainability point system

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**Table S1.** Calculated A points in each EU member state.

COUNTRY (DATA RECORDING YEAR)	MUNICIPAL WASTE GENERATED (kg per capita)	"A" CATEGORY POINTS
Austria (2021)	835	-4.18
Denmark (2022)	787	-3.94
Luxembourg (2022)	721	-3.61
Belgium (2022)	677	-3.39
Cyprus (2022)	673	-3.37
Ireland (2020)	644	-3.22
Finland (2021)	630	-3.15
Malta (2022)	618	-3.09
Germany (2022)	593	-2.97
Czechia (2021)	570	-2.85
France (2022)	539	-2.70
Portugal (2021)	513	-2.57
Greece (2021)	509	-2.55
Italy (2021)	495	-2.48
Slovenia (2022)	487	-2.44
Slovakia (2020)	478	-2.39
Croatia (2022)	478	-2.39
Netherlands (2022)	473	-2.37
Spain (2022)	467	-2.34
Lithuania (2022)	465	-2.33
Latvia (2021)	461	-2.31
Bulgaria (2021)	445	-2.23
Hungary (2022)	406	-2.03
Sweden (2022)	395	-1.98
Estonia (2022)	373	-1.87
Poland (2022)	364	-1.82

Romania (2022)	301	-1.51
EU - 27 member states (2022)	513	-2.57

**Table S2.** Calculated B points in each EU member state.

<b>COUNTRY</b>	<b>RECYCLING AND COMPOSTING RATES</b>	<b>"B" CATEGORY POINTS</b>
Austria	68%	3.40
Germany	68%	3.40
Slovenia	59%	2.95
Netherlands	57%	2.85
Luxembourg	53%	2.65
Belgium	52%	2.60
Italy	51%	2.55
Lithuania	45%	2.25
Denmark	45%	2.25
Czechia	43%	2.15
France	42%	2.10
Slovakia	42%	2.10
Finland	41%	2.05
Ireland	40%	2.00
Latvia	40%	2.00
Poland	39%	1.95
Sweden	38%	1.90
Spain	36%	1.80
Bulgaria	35%	1.75
Hungary	32%	1.60
Croatia	29%	1.45
Estonia	29%	1.45
Portugal	26%	1.30
Greece	21%	1.05
Cyprus	16%	0.80
Romania	14%	0.70
Malta	10%	0.50
EU - 27 member states	48%	2.40

**Table S3.**Calculated C points in each EU member state.

<b>COUNTRY</b>	<b>WASTE TO ENERGY AND INCINERATION RATES</b>	<b>"C" CATEGORY POINTS</b>
Sweden	60%	1.80
Finland	58%	1.74
Denmark	53%	1.59
Belgium	48%	1.44
Estonia	43%	1.29
Luxembourg	43%	1.29
Netherlands	42%	1.26
Ireland	32%	0.96
France	32%	0.96
Germany	31%	0.93
Austria	31%	0.93
Lithuania	26%	0.78
Poland	22%	0.66
Italy	19%	0.57
Portugal	18%	0.54
Slovenia	13%	0.39
Spain	12%	0.36
Hungary	12%	0.36
Czechia	12%	0.36
Slovakia	8%	0.24
Romania	5%	0.15
Latvia	3%	0.09
Bulgaria	3%	0.09
Greece	1%	0.03
Croatia	1%	0.03
Cyprus	1%	0.03
Malta	0%	0.00
EU - 27 member states	27%	0.81

**Table S4.**Calculated D points in each EU member state.

COUNTRY	LANDFILL RATES	"D" CATEGORY POINTS
Malta	83%	0.83
Greece	78%	0.78
Romania	74%	0.74
Cyprus	68%	0.68
Bulgaria	62%	0.62
Croatia	60%	0.60
Hungary	54%	0.54
Latvia	53%	0.53
Spain	52%	0.52
Portugal	51%	0.51
Slovakia	50%	0.50
Czechia	45%	0.45
Poland	39%	0.39
France	26%	0.26
Ireland	23%	0.23
Italy	20%	0.20
Lithuania	16%	0.16
Estonia	15%	0.15
Slovenia	7%	0.07
Luxembourg	4%	0.04
Netherlands	1%	0.01
Austria	1%	0.01
Finland	1%	0.01
Denmark	1%	0.01
Germany	1%	0.01
Sweden	0.5%	0.005
Belgium	0%	0
EU - 27 member states	23%	0.23