

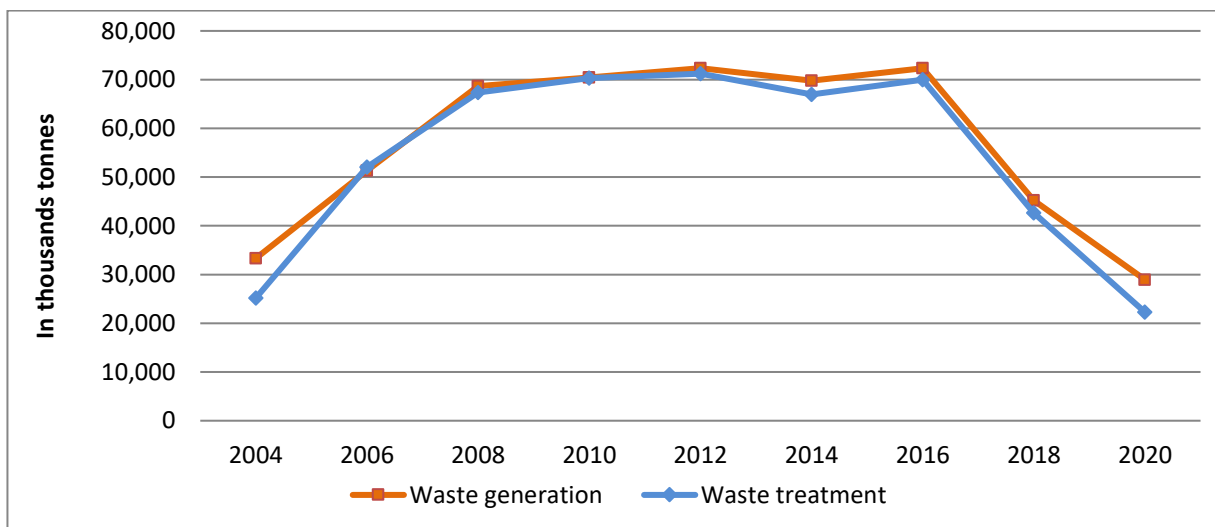


PRESS RELEASE WASTE STATISTICS: 2020

The Hellenic Statistical Authority (ELSTAT) announces data on the generation and treatment of waste for the year 2020, which are collected from administrative sources. During the year 2020, the following are noticed:

- Waste generation for the year 2020 amounted to 28,943,897 tons and decreased by 36.0% compared to 2018. Respectively, waste treatment amounted to 22,279,515 tons and decreased by 47.8% compared to 2018 (Table 1, Table 4, Graph 1).
- Regarding the categories of waste generated, in 2020, "Mining and other waste activities" account for 68.6% of total waste generated and "Municipal solid waste" account for 20.9% (Table 2, Graph 2).
- Concerning the generation of waste by sections of the statistical classification of economic activities (NACE Rev. 2) and households for 2020, "Mining and quarrying" account for 31.1 % of the total generated waste, "Construction" accounts for 18.7%, "Households" account for 15.6% and "Manufacturing» for 12.9% (Table 3, Graph 3).
- Regarding waste treatment by type of treatment for 2020, "Disposal - Landfill" accounted for 64.8% of the total, while "Recovery other than energy recovery - Recycling" accounted for 23.3% (Table 5, Graph 4).
- Regarding waste treatment by category of waste in 2020, "Mining and other waste activities" amounted to 16,655,293 tons and account for 74.8% of the total, while "Municipal waste" amount to 3,756,010 tons and 16.9% of the total (Table 6, Graph 5).

Graph 1: Evolution of waste generation and treatment 2004-2020*



*Provisional data for year 2020

Information on methodological issues:

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Table 1: Generation of solid waste, by main waste category, 2004-2020**In tonnes*

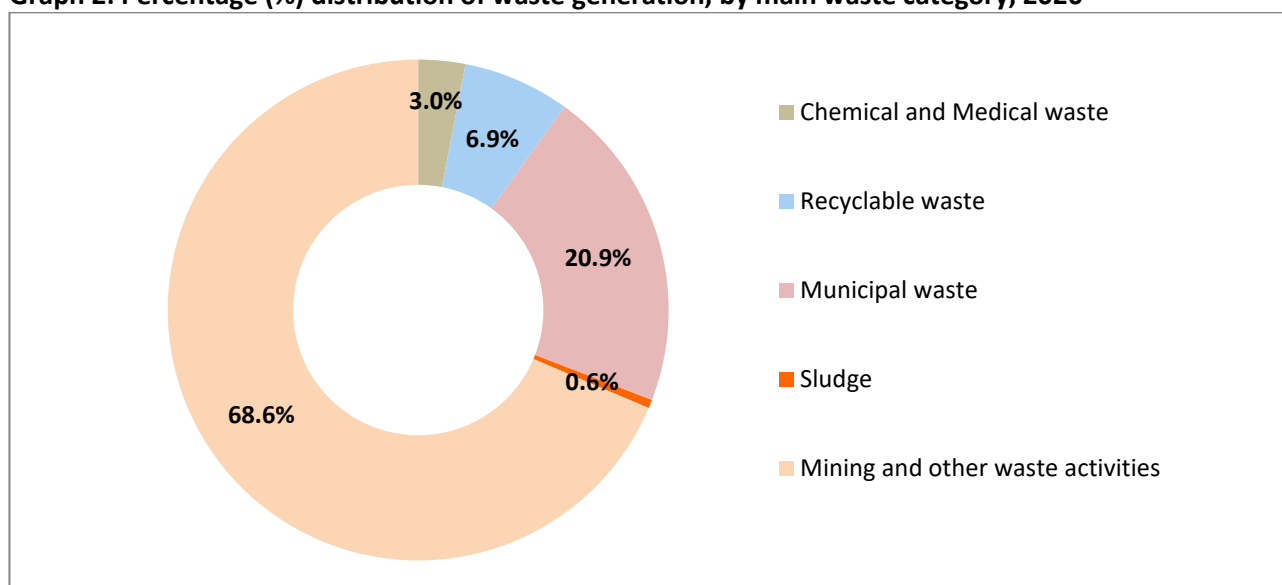
Year	Chemical and Medical waste	Recyclable waste	Municipal waste	Sludge	Mining and other waste activities	Total	Percentage change (%)
2004	471,779	1,701,765	5,074,791	116,678	25,981,949	33,346,962	-
2006	348,908	3,446,512	5,262,410	139,964	42,126,868	51,324,662	53.9%
2008	171,796	3,913,450	5,159,916	158,732	59,240,070	68,643,964	33.7%
2010	202,070	2,849,335	5,922,904	117,789	61,340,607	70,432,705	2.6%
2012	174,524	2,193,687	5,547,016	109,274	64,303,779	72,328,280	2.7%
2014	251,623	1,313,524	7,495,065	138,035	60,560,621	69,758,868	-3.6%
2016	474,508	2,329,179	5,483,633	116,977	63,928,056	72,332,353	3.7%
2018	846,129	2,816,572	5,319,260	120,663	36,137,709	45,240,333	-37.5%
2020*	875,403	1,998,297	6,056,479	159,379	19,854,338	28,943,897	-36.0%

*Provisional data

Table 2: Percentage (%) distribution of waste generation, by main waste category, 2004- 2020*

Year	Chemical and Medical waste	Recyclable waste	Municipal waste	Sludge	Mining and other waste activities	Total
2004	1.4	5.1	15.2	0.3	77.9	100.0
2006	0.7	6.7	10.3	0.3	82.1	100.0
2008	0.3	5.7	7.5	0.2	86.3	100.0
2010	0.3	4.0	8.4	0.2	87.1	100.0
2012	0.2	3.0	7.7	0.2	88.9	100.0
2014	0.4	1.9	10.7	0.2	86.8	100.0
2016	0.7	3.2	7.6	0.2	88.4	100.0
2018	1.9	6.2	11.8	0.3	79.9	100.0
2020*	3.0	6.9	20.9	0.6	68.6	100.0

* Provisional data

Graph 2: Percentage (%) distribution of waste generation, by main waste category, 2020*

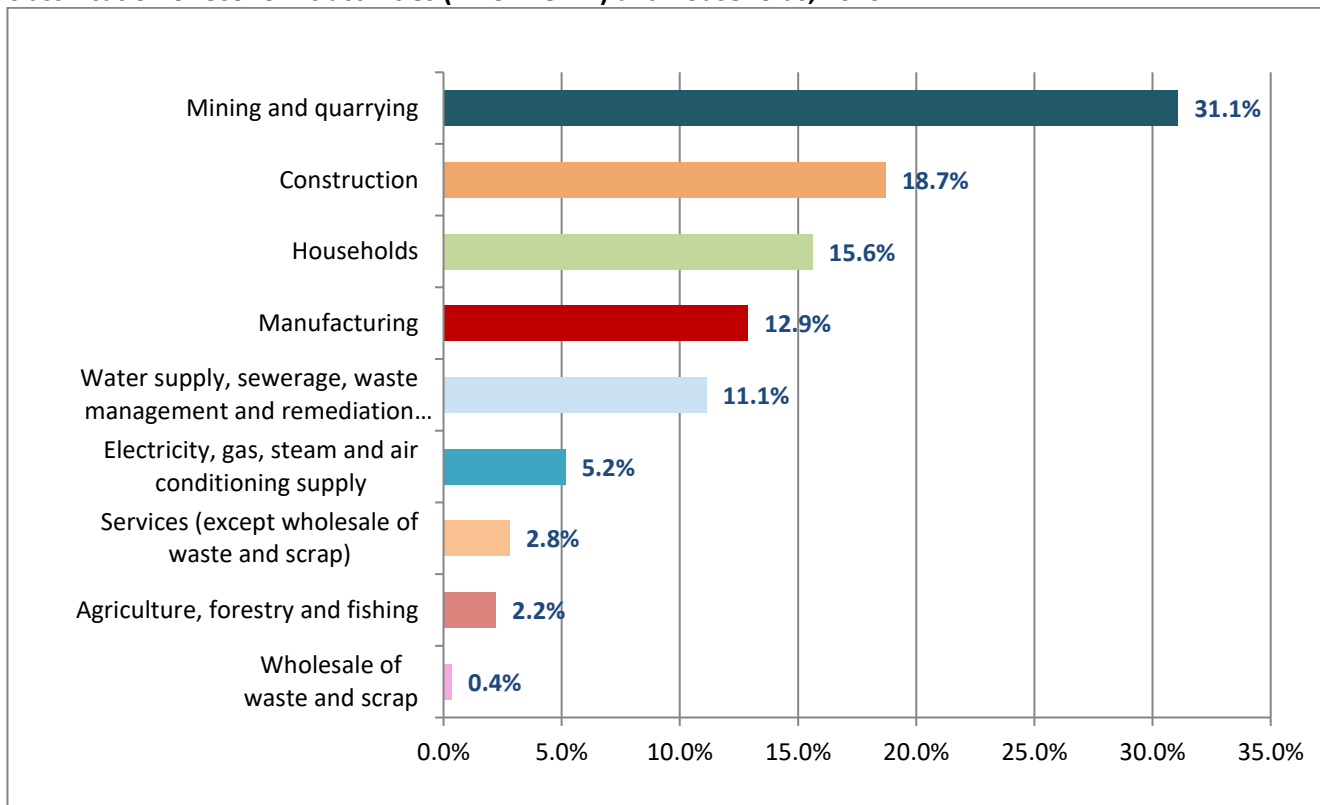
* Provisional data

Table 3: Waste generation by sections of the Statistical Classification of Economic Activities (NACE Rev. 2) and households, 2020*

Economic activity	Total waste	Percentage distribution (%)
Agriculture, forestry and fishing	644,283	2.2%
Mining and quarrying	8,995,869	31.1%
Manufacturing	3,732,126	12.9%
Electricity, gas, steam and air conditioning supply	1,494,508	5.2%
Water supply, sewerage, waste management and remediation activities	3,220,836	11.1%
Construction	5,417,214	18.7%
Services (except wholesale of waste and scrap)	814,318	2.8%
Wholesale of waste and scrap	105,217	0.4%
Households	4,519,526	15.6%
Total	28,943,897	100.0%

* Provisional data

Graph 3: Percentage (%) distribution of Waste generation by main sections of the statistical classification of economic activities (NACE Rev. 2) and households, 2020*



* Provisional data

Table 4: Waste treatment by type of treatment and hazardousness, 2020*

In tonnes

	Incineration		Recovery other than energy recovery		Disposal		Total
	Energy recovery	Disposal	Recycling	Backfilling	Landfill	Other (land treatment and release into water bodies)	
Non-hazardous	367,913	3,397	4,769,333	1,976,774	14,408,725	284,697	21,810,841
Hazardous	28,375	3,478	418,032	0	18,790	0	468,674
Total	396,288	6,875	5,187,366	1,976,774	14,427,515	284,697	22,279,515

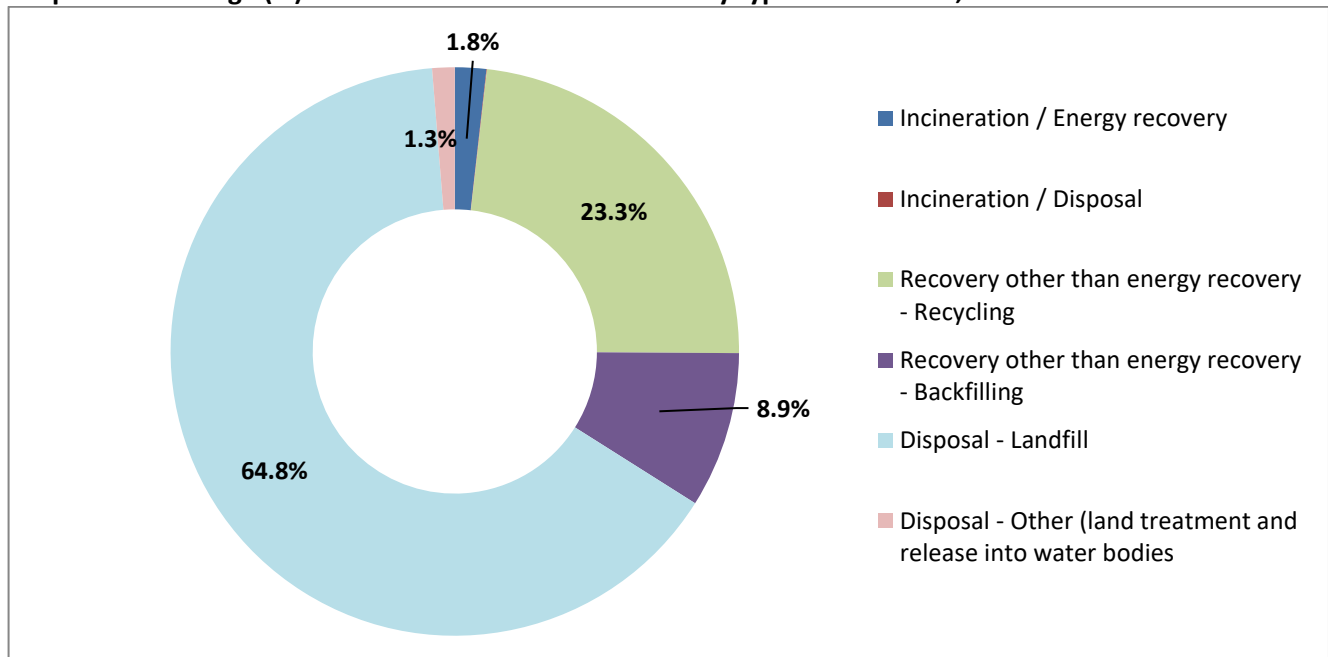
* Provisional data

Table 5: Percentage (%) distribution of waste treatment by type of treatment and hazardousness, 2020*

	Incineration		Recovery other than energy recovery		Disposal		Total
	Energy recovery	Disposal	Recycling	Backfilling	Landfill	Other (land treatment and release into water bodies)	
Non-hazardous	1.7	0.0	21.9	9.1	66.1	1.3	100.0
Hazardous	6.1	0.7	89.2	0.0	4.0	0.0	100.0
Total	1.8	0.0	23.3	8.9	64.8	1.3	100.0

* Provisional data

Graph 4: Percentage (%) distribution of waste treatment by type of treatment, 2020*



* Provisional data

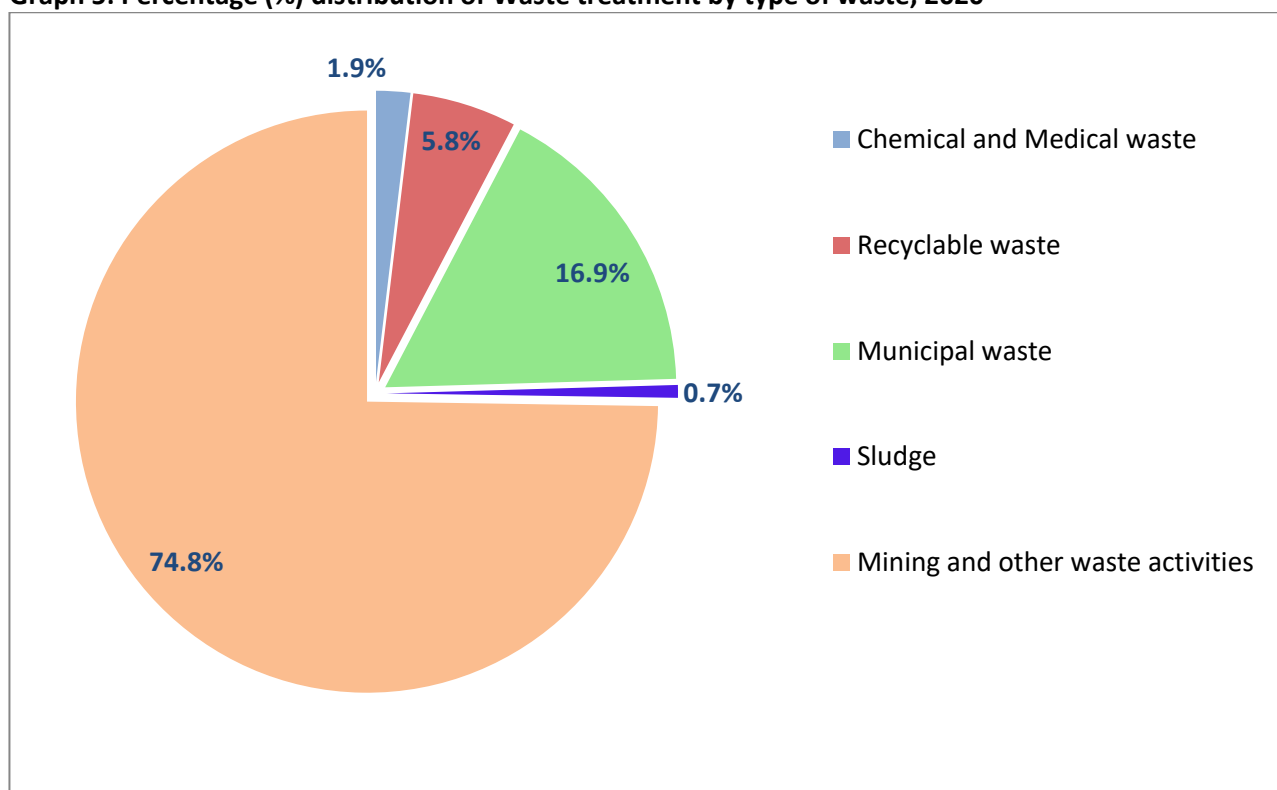
Table 6: Waste treatment by treatment category and type of waste, 2020*

In tonnes

	Incineration	Recovery other than energy recovery	Disposal	Total	Percentage distribution (%)
Chemical and Medical waste	4,557	368,982	48,580	422,119	1.9%
Recyclable waste	21,581	1,259,930	7,048	1,288,558	5.8%
Municipal waste	161,448	215,582	3,378,981	3,756,010	16.9%
Sludge	40,876	91,462	25,196	157,534	0.7%
Mining and other waste activities	174,701	5,228,185	11,252,407	16,655,293	74.8%
Total	403,163	7,164,140	14,712,212	22,279,515	100.00%

* Provisional data

Graph 5: Percentage (%) distribution of Waste treatment by type of waste, 2020*



* Provisional data

EXPLANATION NOTES

Legal Framework: Waste Statistics are compiled based on Regulation 2150/2002 of the European Parliament and the Council, as amended by Regulation 849/2010 of the European Parliament and of the Council.

Methodology: Primary data on production and treatment of waste are collected mainly through administrative data provided to ELSTAT. The main administrative sources of waste statistics are: a) Electronic Waste Register (EWR): an electronic service provided by the Ministry of Environment and Energy that maintains the electronic register of the obligated bodies (Companies and Organizations) followed by the declaration of the waste they manage, b) Alternative Treatment System (ATS): Data collection relative to special streams of wastes such as Waste electrical and electronic equipment (WEEE), End-of-life vehicles (ELV), used oils, accumulators, used tyres etc. c) Municipal Waste Statistics compiled by Ministry of Environment and Energy, d) Waste generation of mineral wastes provided by the Greek Mineral Enterprises Association e) Other administrative data for certain remaining waste categories.

Concepts and Definitions: Waste generation and treatment statistics include the following categories of waste:

1. Chemical and medical waste: this category includes residues from the production of chemical industries, as well as hospital waste.
2. Recyclable waste: this category includes any kind of waste that can be recycled, such as discarded electronic equipment and electrical appliances, car batteries, metal and paper packaging, used tires and other similar materials.
3. Solid municipal waste: this category includes household and similar waste that is collected via the municipal collection system or through third parties. This category includes municipal waste ending up in drains or transported by specialized vehicles, while the sludge resulting from the treatment of municipal or industrial wastewater in biological treatment is included in a separate category.
4. Sludge: Sludge is a separate category of waste generated from the treatment of municipal and industrial waste water.
5. Mining and other waste activities: this category includes, apart from the waste generated from mines and quarries, animal and plant residues which are normally used as soil conditioners and animal by-products covered by Regulation 1069/2009 of the European Council and Parliament.

Types of waste treatment are included in Waste framework directive 2008/98/EE and Law 4042/2012 - Government Gazette 24/A/13-2-2012.

References: More information on waste statistics can be found on the website of the Hellenic Statistical Authority (www.statistics.gr) at the link: <http://www.statistics.gr/en/statistics/-/publication/SOP06/>