



HELLENIC REPUBLIC
HELLENIC STATISTICAL AUTHORITY

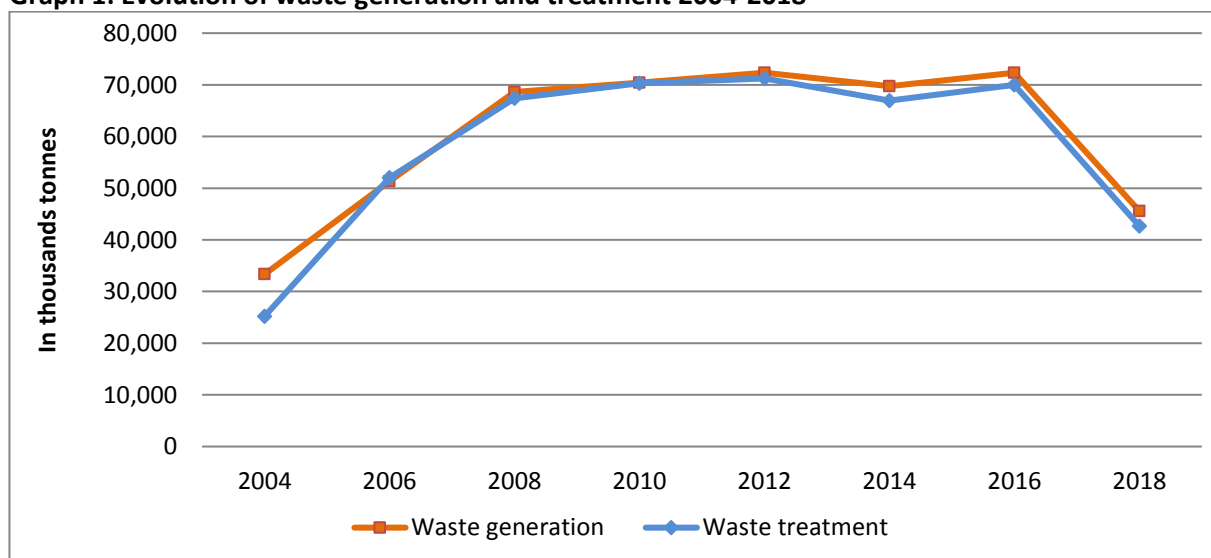
Piraeus, 16 December 2020

PRESS RELEASE
WASTE STATISTICS: 2018

The Hellenic Statistical Authority (ELSTAT) announces data on the generation and treatment of waste for the year 2018, which are collected from administrative sources. During the year 2018, the following are noticed:

- Waste generation for the year 2018 amounted to 45,592,603 tons and decreased by 37.0% compared to 2016. Respectively, waste treatment amounted to 42,651,993 tons while it decreased by 39.0% compared to 2016 (Table 1, Table 4, Graph 1).
- Regarding the categories of waste generated, in 2018, "Mining and other waste activities" account for 79.5% of total waste generated and "Municipal solid waste" account for 11.8% (Table 2, Graph 2).
- Concerning the generation of waste by sections of the statistical classification of economic activities (NACE Rev. 2) and households for 2018, "Mining and quarrying" account for 56.4% of the total generated waste, "Manufacturing" accounts for 11.8% and "Households" for 10.1% (Table 3, Graph 3).
- Regarding waste treatment by type of treatment for 2018, "Deposit onto or into land" accounted for 81.6% of the total, while "Recovery other than energy recovery - except backfilling" accounted for 10.7% (Table 5, Graph 4).
- Regarding waste treatment by category of waste in 2018, "Mining and other waste activities" amounted to 34,470,963 tons and account for 80.8% of the total, while "Municipal waste" amount to 5,306,869 tons and 12.4% of the total (Table 6, Graph 5).

Graph 1: Evolution of waste generation and treatment 2004-2018*



* Provisional data for year 2018

Information on methodological issues:

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Table 1: Generation of solid waste, by main waste category, 2004-2018*In tonnes*

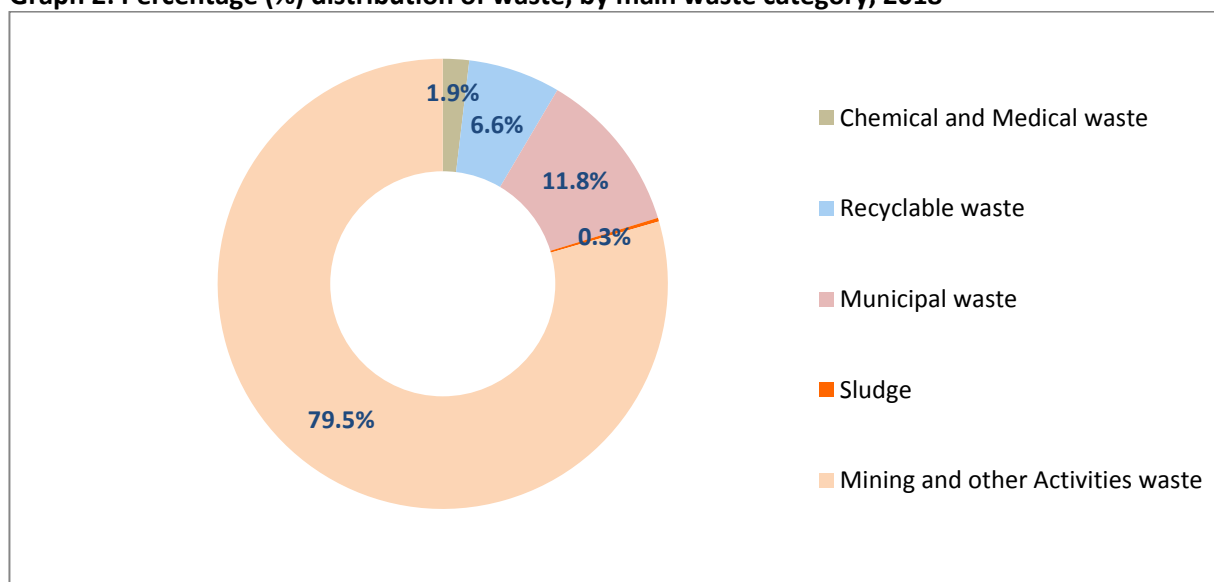
Year	Chemical and Medical waste	Recyclable waste	Municipal waste	Sludge	Mining and other waste activities	Total	Percentage change (%)
2004	471,779	1,701,765	5,074,791	116,678	25,981,949	33,346,962	-
2006	348,908	3,446,512	5,262,410	139,964	42,126,868	51,324,662	53.9
2008	171,796	3,913,450	5,159,916	158,732	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*	859,709	3,018,205	5,361,148	120,663	36,232,878	45,592,603	-37.0

* Provisional data

Table 2: Percentage (%) distribution of waste, by main waste category, 2004- 2018

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	6.6	11.8	0.3	79.5	100.0

* Provisional data

Graph 2: Percentage (%) distribution of waste, by main waste category, 2018*

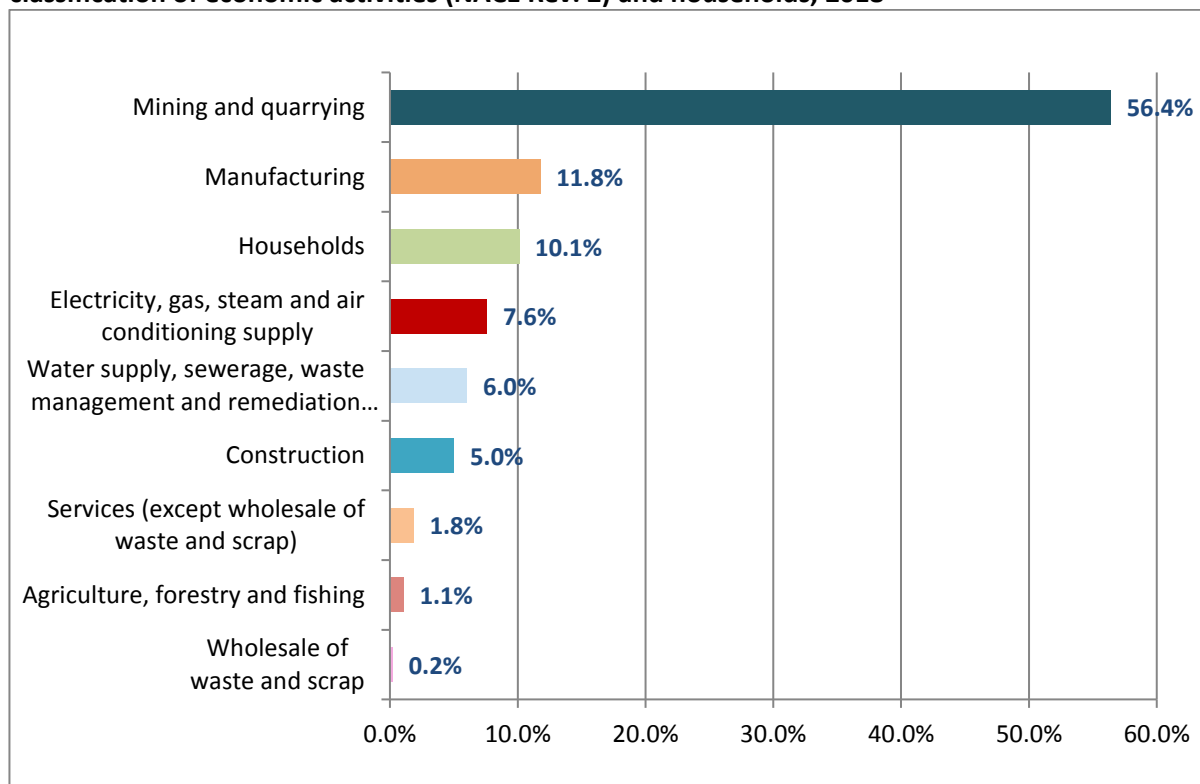
* Provisional data

Table 3: Waste generation by sections of the Statistical Classification of Economic Activities (NACE Rev. 2) and households, 2018*

Economic Activities (NACE Rev. 2) Sections - Households	Total Waste (In tonnes)	Percentage (%) distribution
Agriculture, forestry and fishing	485,143	1.1%
Mining and quarrying	25,704,903	56.4%
Manufacturing	5,360,940	11.8%
Electricity, gas, steam and air conditioning supply	3,459,811	7.6%
Water supply, sewerage, waste management and remediation activities	2,748,761	6.0%
Construction	2,286,467	5.0%
Services (except wholesale of waste and scrap)	843,055	1.8%
Wholesale of waste and scrap	96,146	0.2%
Households	4,607,377	10.1%
Total	45,592,603	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, 2018*



* Provisional data

Table 4: Waste treatment by type of treatment and hazardousness, 2018**In tonnes*

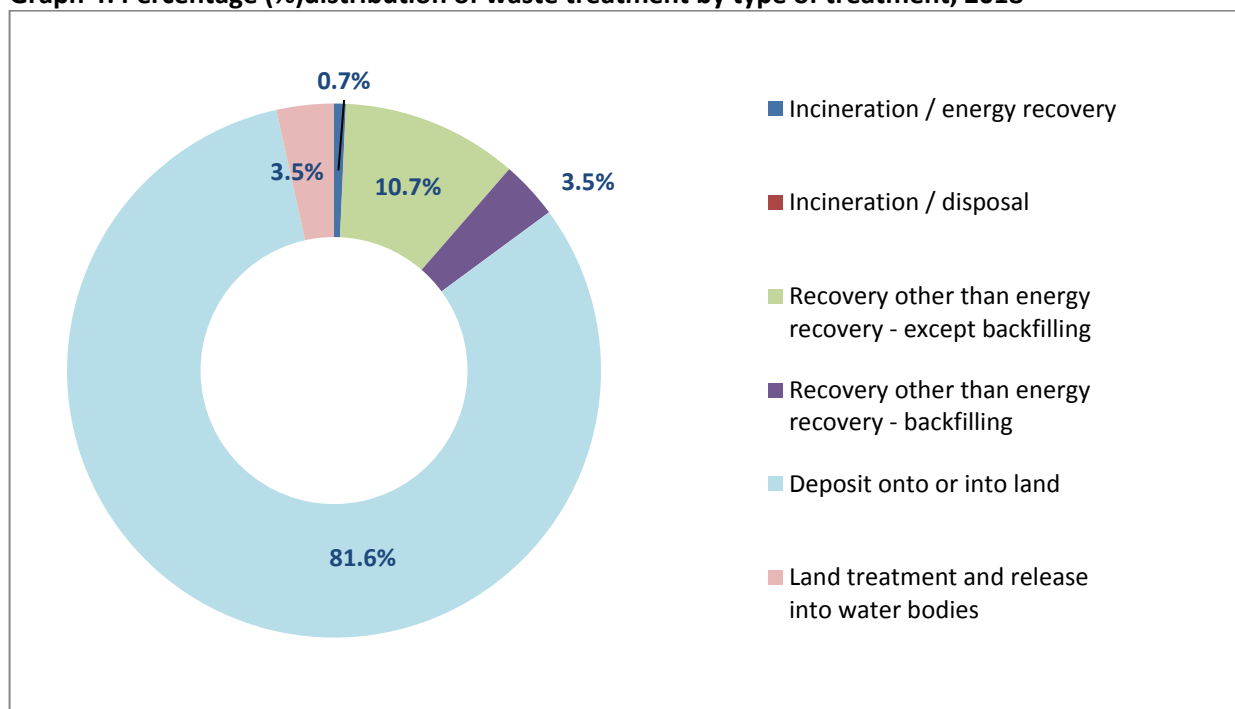
	Incineration		Recovery other than energy recovery		Disposal		Total
	Energy recovery	Disposal	Except backfilling	Backfilling	Deposit onto or into land	Land treatment and release into water bodies	
Non-hazardous	272,811	3,165	4,101,053	1,494,700	34,800,502	1,479,819	42,152,050
Hazardous	26,091	3,845	453,667	0	16,340	0	499,943
Total	298,902	7,010	4,554,720	1,494,700	34,816,842	1,479,819	42,651,993

* Provisional data

Table 5: Percentage (%) distribution of waste treatment by type of treatment and hazardousness, 2018*

	Incineration		Recovery other than energy recovery		Disposal		Total
	Energy recovery	Disposal	Except backfilling	Backfilling	Deposit onto or into land	Land treatment and release into water bodies	
Non-hazardous	0.6%	0.0%	9.7%	3.5%	82.6%	3.5%	100.0%
Hazardous	5.2%	0.8%	90.7%	0.0%	3.3%	0.0%	100.0%
Total	0.7%	0.0%	10.7%	3.5%	81.6%	3.5%	100.0%

* Provisional data

Graph 4: Percentage (%) distribution of waste treatment by type of treatment, 2018*

* Provisional data

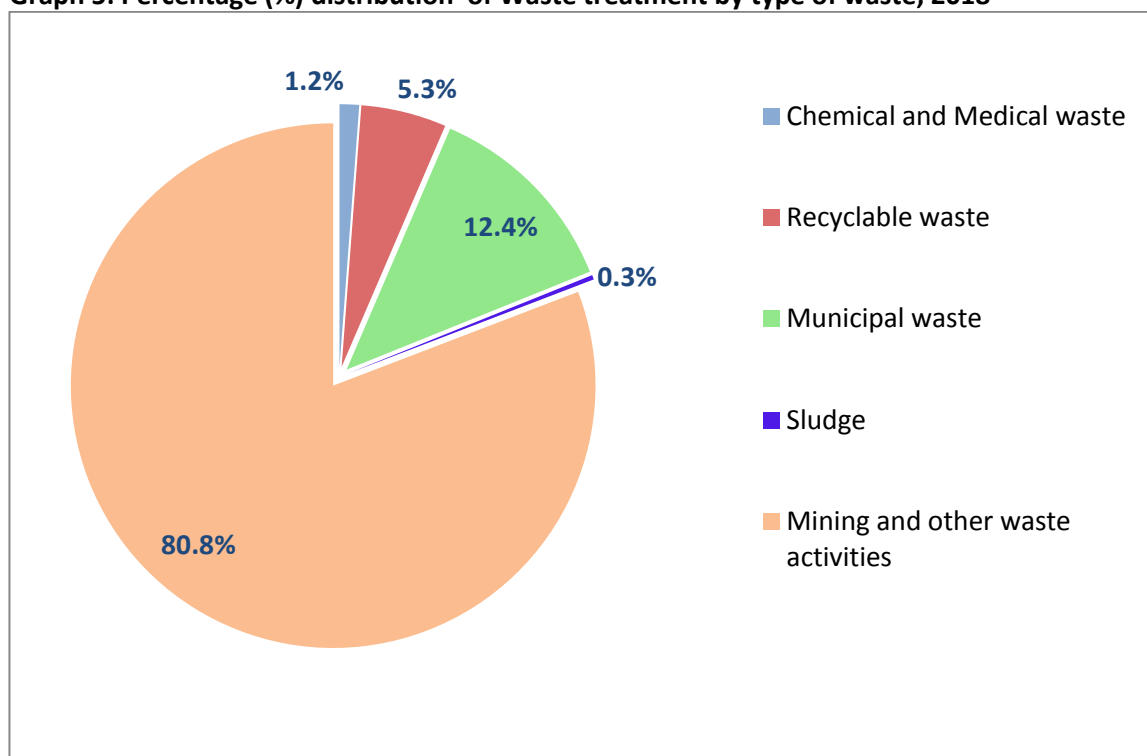
Table 6: Waste treatment by treatment category and type of waste, 2018*

In tonnes

	Incineration	Recovery other than energy recovery	Disposal	Total	Percentage (%) Distribution
Chemical and Medical waste	8,104	384,569	119,431	512,103	1.2%
Recyclable waste	22,258	2,218,644	3,746	2,244,648	5.3%
Municipal waste	142,543	119,835	5,044,492	5,306,869	12.4%
Sludge	38,113	51,225	28,072	117,410	0.3%
Mining and other waste activities	94,894	3,275,147	31,100,921	34,470,963	80.8%
Total	305,911	6,049,420	36,296,661	42,651,993	100.0%

* Provisional data

Graph 5: Percentage (%) distribution of Waste treatment by type of waste, 2018*



* 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/->