

ENVIRONMENTAL INDICATORS and SELECTED TIME SERIES

Municipal waste collection

last update: June 2007

	1990	1995	2000	2001	2002	2003	2004	2005
	1000 tonnes	1000 tonnes	1000 tonnes	1000 tonnes	1000 tonnes	1000 tonnes	1000 tonnes	1000 tonnes
Albania	...	...	...	...	...	571	622	634
Algeria	...	5 200	...	...	...	8 500	...	...
Andorra	...	...	49	37	48	39	38	38
Anguilla	...	...	...	4	4	4	5	5
Antigua and Barbuda	...	...	...	...	...	...	...	21 ¹
Armenia	713	343	208	233	284	368	376	...
Australia	...	...	13 200 ²	...	...	8 903 ³	...	...
Austria	3 204	3 476	4 636	4 634	4 634	...	4 588	...
Azerbaijan	...	...	1 101 ⁴	1 262 ⁴	1 854 ⁴	1 939 ⁴	1 965 ⁴	1 753 ⁴
Belarus	1 970	1 781	1 957	1 933	2 059	2 432	2 661	...
Belgium	3 436	4 492	4 783	...	...	4 847	...	...
Belize	...	...	62	...	...	86	...	...
Benin	...	...	904	962	986	...	...	...
Bolivia	...	...	613	686	662	778	772	751
Brazil	...	...	57 563	...	...	...	...	...
British Virgin Islands	...	11	29	30	25	24	33	37
Brunei Darussalam	63	...	192	197	196	...	...	...
Bulgaria	...	4 495	3 318	3 211	3 199	...	...	...
Canada	...	...	11 279 ⁵	...	...	...	13 375 ⁵	...
Chile	...	...	4 680	4 921	5 558	5 422 ⁶	5 480	5 459
China	...	...	...	...	...	148 565	...	...
China, Hong Kong SAR	3 810	4 843	5 177	5 335	5 399	5 826	5 709	6 013
China, Macao SAR	84 ⁷	186 ⁷	139 ⁷	139 ⁷	148 ⁷	155 ⁷	155 ⁷	163 ⁷
Colombia	...	...	...	...	...	...	...	20 776
Costa Rica	...	...	...	...	1 280	...	...	...
Croatia	...	...	1 072	1 525	998	...	1 079	...
Cuba	...	...	3 420	3 740	3 905	4 088	4 129	4 416
Cyprus	369	387	470	490	500	...	...	...
Czech Republic	...	...	3 434	2 798	2 845	...	2 841 ⁸	...
Denmark	...	2 959	3 546	3 539	3 587	3 618	...	3 990
Dominica	...	...	...	21	21	21	21	21
Dominican Republic	...	...	...	...	1 159 ⁹	1 053 ⁹	846 ⁹	1 016 ⁹
Egypt	...	...	15 000	14 500	...	...	...	...
Estonia	...	533	604	481	524	...	...	...
Finland	3 100	2 109	2 500	2 440	2 400	2 258	2 374 ¹⁰	...
France	26 220	28 919	31 626	32 174	33 024	...	...	33 963 ¹¹
French Guiana	...	...	...	...	...	110	...	...
Georgia	1 375	1 375	1 375	...	...	...	1 375	1 375
Germany	...	...	50 085	48 836	...	...	48 434	50 132
Greece	3 000	3 200	4 447	...	...	4 710	...	4 853
Guatemala	...	295	...	...	604	...	...	...
Hungary	4 171	3 811	4 084	4 189	4 290	4 387	...	...

Iceland	...	166	198	203	209	...	147	153
India	...	...	...	17 569 ¹²	...	...	...	...
Ireland	...	1 550	2 364	...	...	...	...	2 847 ¹³
Israel	...	...	5 863	5 494	5 732	5 527	...	...
Italy	20 000	25 780	28 959	29 409	...	...	...	31 677
Jamaica	...	...	...	718	697	703	709	...
Japan	50 441	50 694	52 362	...	...	54 367 ¹⁴	...	...
Jordan	...	...	...	...	2 227	...	...	...
Korea, Republic of	30 646	17 438	16 950	...	18 214	...	18 252	...
Kuwait	...	1 114	853	842	...	976	840	837
Kyrgyzstan	2 753 ⁴	1 512 ⁴	1 302 ⁴	1 377 ⁴	1 271 ⁴	1 242 ⁴	1 602 ⁴	...
Latvia	...	657	...	713	711	...	...	...
Lebanon	...	...	...	1 440	...	...	...	...
Lithuania	...	1 546	1 086	1 046	1 000	...	...	...
Luxembourg	224	240	285	...	...	306 ¹⁵	...	321
Madagascar	...	...	...	...	...	...	341 ¹⁶	...
Maldives	6	7	10	10	12	13	16	19
Malta	...	...	188	215	...	218	...	...
Martinique	...	...	...	246	...	...	340	...
Mauritius	...	...	213	288	314	351	...	...
Mexico	21 062 ¹⁷	30 510	30 733	...	32 174	...	...	...
Monaco	...	48	39	40	40	...	...	...
Montenegro	...	...	...	...	...	...	...	2 890 ¹⁸
Morocco	...	...	4 550 ¹⁹	...	...	4 710	...	...
Nepal	...	...	...	418	418	...	...	...
Netherlands	7 430	8 469	9 769	9 790	9 953	...	10 161	10 180
New Zealand	1 140 ^{5,20}	1 431 ²¹	1 541 ²²	...	...	...	...	...
Niger	...	...	7 875	8 250	8 625	9 000	9 375	9 750
Norway	2 000	2 722	2 755 ²³	2 860	3 061	...	1 746 ²⁴	3 498
Palestine	...	...	...	1 350 ²⁵	...	...	...	...
Peru	...	...	...	4 740	...	...	...	...
Poland	11 098	10 985	12 226	11 109	10 509	...	...	9 354
Portugal	3 000	3 884	4 531	4 696	...	...	...	5 009
Republic of Moldova	...	1 580	1 175	1 131	1 173	1 164	1 224	...
Réunion	...	...	372	...	...	...	461	...
Romania	...	5 758	6 611	6 079	6 865	...	...	...
Russian Federation	...	...	207 400 ^{4,26}	...	...	...	...	...
Serbia	...	...	...	...	...	...	...	2 890 ¹⁸
Singapore	...	...	5 044 ²⁷	5 369 ²⁷	5 027 ²⁷	4 854	4 830	5 088
Slovakia	1 600	1 620	1 706	1 639	1 524	...	...	1 468
Slovenia	...	1 024	...	873	862	...	...	...
Spain	...	20 076	26 505	...	...	...	22 735 ²⁸	...
Sri Lanka	...	...	...	...	...	...	1 036	...
St. Vincent and the Grenadines	...	...	...	...	38	...	...	...
Sweden	3 200	3 555	3 800	3 930	...	...	...	4 347
Switzerland	4 090	4 200	4 730	4 661	...	...	...	4 855
Syrian Arab Republic	...	...	...	...	...	7 500	...	...
Thailand	...	12 589	13 972	...	...	...	...	...
The Former Yugoslav Rep. of Macedonia	...	...	...	...	...	...	...	2 526
Trinidad and Tobago	215 ²⁹	247 ²⁹	424 ²⁹	379 ²⁹	425 ²⁹	...	...	...

Tunisia	...	...	1 170	1 180	1 195	1 205	1 316	...
Turkey	...	20 910	24 661	25 134	...	...	24 237	...
Ukraine	...	779	1 459	2 301	2 920	2 822	3 235	...
United Kingdom	27 100	28 900	33 915	34 851	...	...	...	35 077
United States	186 167	193 869	215 578	207 957	...	...	...	222 863
Uruguay	830	870	910	...	...	...	...	...
Yemen	...	...	1 267	822	1 310	1 105	1 167	1 272
Zambia	...	...	292 ³⁰	...	...	...	...	389 ³⁰

Sources:

UNSD/UNEP 2001, 2004 and 2006 questionnaires on Environment statistics, Waste section

OECD/Eurostat 2004 questionnaire on Environment statistics, Waste section

OECD Environmental Data, Compendium 2006/2007, waste section

Footnotes:

1 Data refer to Antigua only.

2 Secretariat estimates for the late 1990s; may include significant amounts of commercial and industrial waste.

3 Data refer to household waste generated.

4 Unit: thousand cubic meters.

5 Data refer to household waste only.

6 Provisional data.

7 Data only refer to waste collected from households and sea by a licensed company.

8 Includes amounts undergoing mechanical sorting before treatment/disposal.

9 The information Includes the National District (Capital of the Republic) and the Santo Domingo Province.

10 Data refer to total amounts of municipal waste managed.

11 Data refer to total municipal waste generated. Includes similar household waste from commerce and trade, bulky waste and waste from municipal services.

12 Total municipal solid waste generated in 299 Class-I cities.

13 Data refer to municipal waste landfilled and recovered (include street cleansing waste).

14 Data refer to waste treated by municipalities and separate collection for recycling by the private sector.

15 Data refer to total amounts of municipal waste managed in the country (exclude exported amounts).

16 For the calculations, only the six important locations of "Faritany" (Antanarivo, Antsiranana, Fianarantsoa, Mahajanga, Toamasia, Toliary) and the cities of Toalagnaro and Nosy-be were taken into account.

17 1991 data.

18 Data refer to Serbia and Montenegro.

19 The value represents the urban area only.

20 Data refer to 1986-1991.

21 Data include landfilled household waste and recycled packaging waste.

22 1999 data.

23 Surveys of municipal waste in 1992 and 1995 indicate that approximately 90000 t of waste from building and construction activities entered the municipal waste stream. This amount is included in the Norwegian figures.

24 Household waste generated only.

25 Data refer to solid waste reaching dumping site which was taken from the Dumping Site Survey implemented in 2001.

26 Data refer to municipal waste, specifically rubbish transported by trucks and liquid wastes transported by cesspool trucks.

27 Municipal waste includes industrial waste from manufacturing industries.

28 Household and similar waste.

29 Data are from Trinidad and Tobago Solid Waste Management Company Limited (SWMCOL). The landfills managed by SWMCOL collect 85% of solid waste.

30 Data refer to urban population only.

Definitions & Technical notes:

Municipal waste includes household waste and similar waste. The definition also includes bulky waste (e.g. white goods, old furniture, mattresses) and yard waste, leaves, grass clippings, street sweepings, the content of litter containers, and market cleansing waste, if managed as waste. It includes waste originating from: households, commerce and trade, small businesses, office buildings and institutions (schools, hospitals, government buildings). It also includes waste from selected municipal services, e.g. waste from park and garden maintenance, waste from street cleaning services (street sweepings, the content of litter containers, market cleansing waste), if managed as waste. The definition excludes waste from municipal sewage network and treatment, municipal construction and demolition waste.

Municipal waste collected refers to waste collected by or on behalf of municipalities, as well as municipal waste collected by the private sector. It includes mixed household waste, and fractions collected separately for recovery operations (through door-to-door collection and/or through voluntary deposits). In the absence of data for municipal waste collected, data for municipal waste generated is given, if available.