

Production, trade and supply of brown coal and oil shale

Thousand metric tons and kilograms per capita

Table Notes

Data refer to brown coal and oil shale.

Please refer to the Definitions Section on pages ix to xv for the appropriate product description/ classification, and xvi to xvii for the descriptions of relevant flows.

Figure 15: Production of brown coal and oil shale by region, 1990-2019

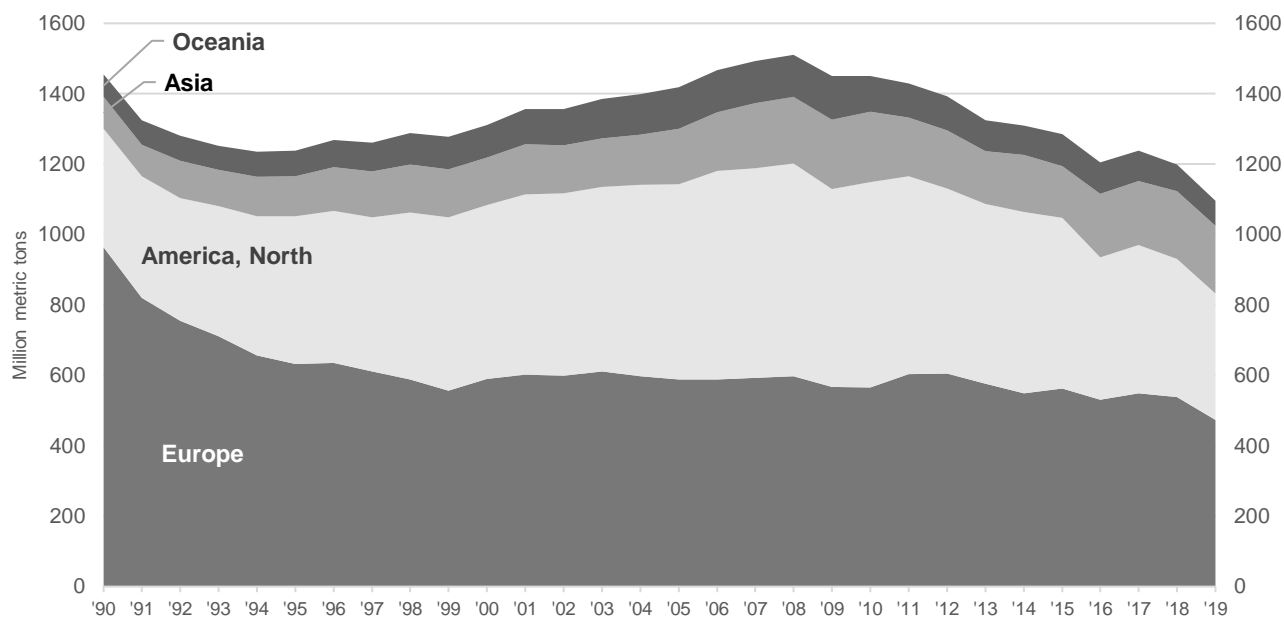


Figure 16: Major brown coal producing countries, 2019

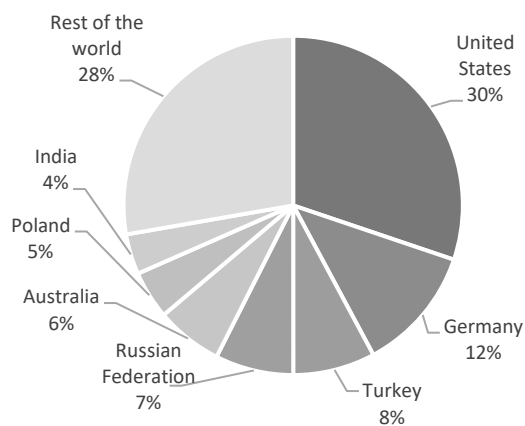


Figure 17: Major brown coal consuming countries, 2019

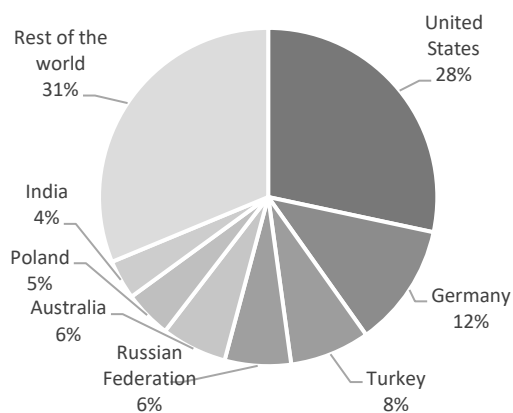


Table 7

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Thousand metric tons and kilograms per capita

Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
World	2016	1,204,600	52,664	19,158	-21,713	1,259,820	169
	2017	1,238,076	58,395	27,646	-10,451	1,279,276	169
	2018	1,198,598	61,518	28,765	-19,356	1,250,708	164
	2019	1,096,294	63,719	33,341	15,036	1,111,635	144
America, North	2016	405,533	4,986	2,994	-18,794	426,319	744
	2017	420,591	5,049	7,968	-6,865	424,537	735
	2018	392,265	4,891	7,265	-20,004	409,895	704
	2019	358,555	4,238	6,024	11,615	345,154	588
Canada	2016	31,499	1,272	101	-92	32,762	900
	2017	30,937	1,404	135	-669	32,875	895
	2018	25,101	1,292	291	95	26,007	701
	2019	22,039	926	128	412	22,425	599
Mexico	2016	8,130	1,624	..	450	9,304	75
	2017	7,171	2,178	..	2,874	6,475	52
	2018	6,971	2,010	..	-321	9,302	74
	2019	5,626	1,417	..	-622	7,665	60
United States	2016	365,904	2,090	2,893	-19,152	384,253	1,190
	2017	382,483	1,467	7,833	-9,070	385,187	1,185
	2018	360,193	1,589	6,974	-19,778	374,586	1,145
	2019	330,890	1,895	5,896	11,825	315,064	957
Asia	2016	179,465	41,503	9,207	2,094	209,667	47
	2017	181,901	47,150	9,277	-1,618	221,393	49
	2018	191,514	50,729	9,122	1,548	231,573	51
	2019	192,369	52,934	13,908	-463	231,858	50
Brunei Darussalam	2016	..	..	..	..	..	..
	2017	..	..	..	..	..	..
	2018	..	..	..	..	..	..
	2019	..	341	..	..	341	787
Cambodia	2016	..	1,629	..	..	1,629	103
	2017	42	1,884	..	..	1,926	120
	2018	25	2,021	..	..	2,046	126
	2019	27	2,524	..	196	2,355	143
Georgia	2016	297	..	2	9	286	71
	2017	268	..	2	2	264	66
	2018	138	..	2	-2	138	34
	2019	15	..	1	11	4	1
India	2016	45,230	19	5	-2,074	47,318	36
	2017	46,255	10	4	327	45,934	34
	2018	44,283	19	40	1,538	42,724	32
	2019	42,103	54	93	177	41,887	31
Israel	2016	423	..	..	..	423	52
	2017	449	..	..	..	449	54
	2018	415	..	..	..	415	49
	2019	403	..	..	..	403	47
Kazakhstan	2016	5,750	1	2,204	177	3,370	189
	2017	6,095	..	2,231	-554	4,418	244
	2018	6,561	0	2,757	5	3,799	207
	2019	5,929	0	2,698	36	3,195	172
Korea, Dem.Ppl's.Rep.	2016	2,755	2,755	109
	2017	1,921	1,921	76
	2018	1,602	1,602	63
	2019	1,791	1,791	70

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Korea, Republic of	2016	..	6,569	6,569	129
	2017	..	9,769	9,769	191
	2018	..	9,828	9,828	192
	2019	..	9,449	9,449	184
Kyrgyzstan	2016	1,603	5	91	225	1,292	213
	2017	1,624	3	272	139	1,216	196
	2018	2,071	4	367	-185	1,893	300
	2019	2,277	14	448	-26	1,869	291
Lao People's Dem. Rep.	2016	13,097	..	..	1,771	11,326	1,654
	2017	13,440	..	209	-1,116	14,347	2,063
	2018	15,903	..	413	*-1,061	16,551	2,344
	2019	15,264	..	*550	*-454	15,168	2,116
Mongolia	2016	6,672	..	97	-160	6,735	2,203
	2017	6,783	..	408	58	6,317	2,029
	2018	7,015	..	507	-20	6,529	2,060
	2019	6,977	..	137	..	6,840	2,121
Other Asia	2016	..	12,565	..	494	12,071	511
	2017	..	12,362	..	511	11,851	501
	2018	..	11,606	..	-340	11,946	504
	2019	..	11,751	..	265	11,485	483
Philippines	2016	11,211	20,030	6,809	-362	24,794	239
	2017	11,932	22,268	6,149	-1,269	29,320	279
	2018	11,755	26,301	5,035	2,044	30,976	290
	2019	13,751	27,692	9,980	-1,658	33,122	306
Tajikistan	2016	50	..	..	..	50	6
	2017	53	1	..	..	54	6
	2018	65	1	..	..	66	7
	2019	65	9	..	..	74	8
Thailand	2016	16,979	55	..	92	16,942	246
	2017	16,259	193	..	163	16,289	235
	2018	14,852	226	..	491	14,587	210
	2019	14,078	383	..	375	14,086	202
Turkey	2016	71,691	..	..	2,184	69,507	871
	2017	72,864	..	1	-72	72,935	899
	2018	82,835	..	1	353	82,481	1,002
	2019	85,883	..	1	811	85,071	1,020
Uzbekistan	2016	3,707	630	0	-263	4,600	146
	2017	3,915	660	0	193	4,383	137
	2018	3,993	722	0	-1,275	5,990	184
	2019	3,806	717	0	-197	4,720	143
Europe	2016	530,354	5,797	6,957	-4,833	534,027	715
	2017	549,089	5,804	10,358	-1,784	546,319	731
	2018	538,751	5,373	12,351	-990	532,763	712
	2019	473,840	5,585	13,400	3,806	462,219	617
Austria	2016	..	79	0	0	79	9
	2017	..	76	0	..	76	9
	2018	..	80	0	..	79	9
	2019	..	68	0	..	68	8
Belgium	2016	65	5	1	2	67	6
	2017	53	14	7	8	53	5
	2018	78	3	1	-3	83	7
	2019	87	1	1	-5	92	8

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Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Bosnia and Herzegovina	2016	13,644	87	258	-326	13,799	4,075
	2017	14,084	98	239	-186	14,129	4,216
	2018	14,505	106	195	262	14,154	4,258
	2019	13,377	117	163	489	12,842	3,890
Bulgaria	2016	31,231	0	17	213	31,001	4,335
	2017	34,277	1	22	583	33,672	4,741
	2018	30,263	..	43	54	30,166	4,278
	2019	28,040	..	50	76	27,914	3,988
Croatia	2016	..	44	..	-6	50	12
	2017	..	49	..	..	49	12
	2018	..	36	..	..	36	9
	2019	..	31	..	..	31	7
Czechia	2016	38,528	138	855	-405	38,216	3,599
	2017	39,306	205	941	-91	38,661	3,633
	2018	39,204	185	838	-243	38,794	3,637
	2019	37,486	62	685	670	36,193	3,386
Estonia	2016	17,057	..	..	-2,837	19,894	15,111
	2017	21,625	..	..	-272	21,897	16,596
	2018	21,883	..	..	985	20,898	15,797
	2019	15,877	..	..	233	15,644	11,801
France	2016	..	99	..	-8	107	2
	2017	..	61	..	11	50	1
	2018	..	67	..	-9	77	1
	2019	..	55	..	-4	59	1
Germany	2016	171,547	26	0	532	171,041	2,081
	2017	171,286	30	..	102	171,214	2,071
	2018	166,258	21	..	-920	167,199	2,011
	2019	131,314	24	..	-113	131,451	1,574
Greece	2016	32,638	0	..	-1,592	34,230	3,225
	2017	37,731	0	..	-330	38,061	3,601
	2018	36,489	..	..	-180	36,669	3,485
	2019	27,375	..	..	754	26,621	2,542
Hungary	2016	9,216	178	211	3	9,180	941
	2017	7,972	207	2	34	8,143	837
	2018	7,898	189	3	-91	8,175	842
	2019	6,847	144	4	74	6,913	714
Italy	2016	..	130	..	..	130	2
	2017	..	11	..	..	11	0
	2018	..	2	..	..	2	0
	2019	..	1	..	..	1	0
Kosovo	2016	8,801	2	18	-267	9,052	5,092
	2017	7,575	9	14	-33	7,603	4,245
	2018	7,661	9	9	-32	7,693	4,281
	2019	8,063	11	27	-26	8,073	4,499
Lithuania	2016	..	0	0	-1	1	0
	2017	..	3	..	0	3	1
	2018	..	2	..	0	1	0
	2019	..	..	..	-1	1	0
Montenegro	2016	1,398	5	42	..	1,361	2,170
	2017	1,475	5	97	..	1,383	2,204
	2018	1,596	5	94	-65	1,573	2,505
	2019	1,605	5	111	6	1,494	2,379

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Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Netherlands	2016	..	38	..	0	38	2
	2017	..	51	..	0	51	3
	2018	..	48	..	0	48	3
	2019	..	10	..	0	10	1
North Macedonia	2016	5,152	192	2	-72	5,414	2,602
	2017	5,094	127	2	-153	5,372	2,580
	2018	4,995	112	0	287	4,820	2,314
	2019	5,477	146	1	-277	5,900	2,832
Poland	2016	60,246	289	212	-67	60,390	1,590
	2017	61,161	328	256	49	61,184	1,612
	2018	58,571	276	287	-24	58,583	1,545
	2019	50,329	290	148	10	50,461	1,332
Romania	2016	22,980	854	3	-46	23,877	1,206
	2017	25,752	669	2	201	26,219	1,334
	2018	23,647	588	6	-724	24,953	1,279
	2019	21,652	882	0	315	22,218	1,147
Russian Federation	2016	73,485	2,296	5,272	1,079	69,430	478
	2017	74,886	2,321	8,701	-1,662	70,168	482
	2018	80,478	2,160	10,796	25	71,817	493
	2019	81,886	2,338	12,116	1,674	70,434	483
Serbia	2016	38,440	336	66	-282	38,992	5,510
	2017	39,806	488	74	42	40,178	5,708
	2018	37,649	369	80	-560	38,498	5,495
	2019	38,881	378	94	517	38,648	5,539
Slovakia	2016	1,847	494	..	-79	2,420	445
	2017	1,834	556	..	41	2,349	431
	2018	1,502	595	..	43	2,054	377
	2019	1,465	507	..	45	1,927	353
Slovenia	2016	3,349	372	..	-27	3,748	1,807
	2017	3,356	372	..	-14	3,742	1,802
	2018	3,217	411	..	-51	3,678	1,770
	2019	3,143	418	..	97	3,464	1,666
Spain	2016	730	..	..	-650	1,380	30
	2017	1,816	..	..	-114	1,930	41
	2018	1,630	..	..	250	1,380	30
	2019	..	..	..	-729	729	16
Switzerland	2016	..	133	..	3	130	16
	2017	..	123	..	1	122	14
	2018	..	110	..	3	107	13
	2019	..	97	..	1	96	11
Ukraine	2016	..	..	..	..	..	..
	2017	..	..	..	..	..	..
	2018	1,228	..	..	2	1,226	28
	2019	935	..	..	..	935	21
Oceania	2016	89,248	379	0	-180	89,807	2,221
	2017	86,494	392	44	-184	87,027	2,122
	2018	76,068	526	28	90	76,476	1,840
	2019	71,530	962	10	79	72,404	1,719
Australia	2016	87,587	87,587	3,610
	2017	84,788	84,788	3,449
	2018	74,156	74,156	2,978
	2019	69,787	69,787	2,769

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Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
New Zealand	2016	1,661	379	0	-180	2,220	476
	2017	1,706	392	44	-184	2,239	476
	2018	1,912	526	28	90	2,320	489
	2019	1,743	962	10	79	2,617	547