

### Production, trade and supply of brown coal and oil shale

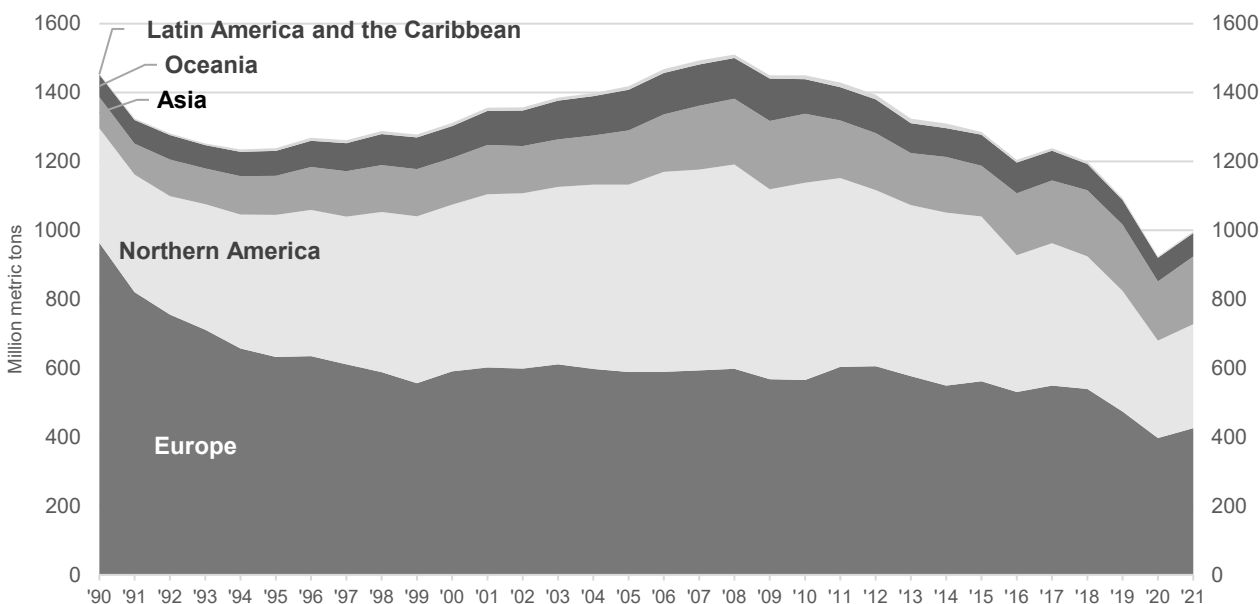
Thousand metric tons and kilograms per capita

#### Table Notes

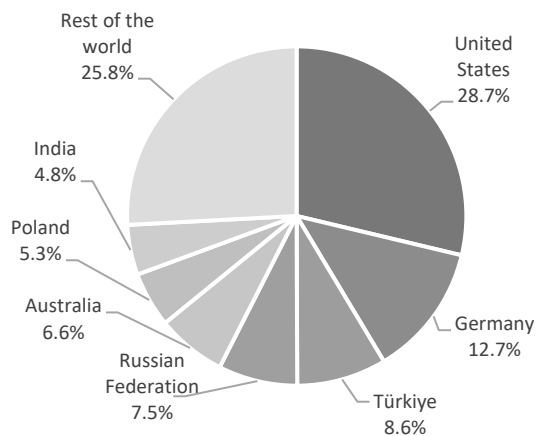
Data refer to brown coal and oil shale.

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 18: Production of brown coal and oil shale by region, 1990-2021**



**Figure 19: Major brown coal producing countries, 2021**



**Figure 20: Major brown coal consuming countries, 2021**

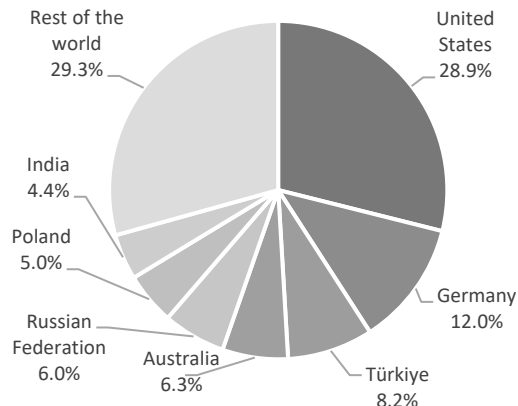


Table 8

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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	2018	1,199,139	61,241	28,766	-20,368	1,251,982	163
	2019	1,093,637	63,514	32,792	15,566	1,108,793	143
	2020	923,783	64,397	29,501	7,766	950,913	121
	2021	996,217	66,495	34,819	-27,022	1,054,915	133
Asia	2018	191,523	50,442	9,122	1,575	231,267	50
	2019	192,419	52,758	13,359	370	231,448	50
	2020	171,725	55,028	11,735	3,682	211,336	45
	2021	196,398	57,484	13,534	100	240,247	51
Brunei Darussalam	2018	..	..	..	..	..	..
	2019	..	341	..	..	341	779
	2020	..	1,200	..	..	1,200	2,717
	2021	..	1,297	..	..	1,297	2,912
Cambodia	2018	34	1,772	..	..	1,806	113
	2019	77	2,346	..	..	2,423	149
	2020	91	2,274	..	..	2,365	144
	2021	108	2,026	..	..	2,133	129
Georgia	2018	138	..	2	-2	138	37
	2019	15	..	1	11	4	1
	2020	99	..	1	15	84	22
	2021	148	..	1	-4	151	40
India	2018	44,283	19	40	1,538	42,724	31
	2019	42,103	54	93	177	41,887	30
	2020	36,614	19	150	604	35,879	26
	2021	47,490	68	18	1,592	45,948	33
Israel	2018	415	..	..	..	415	49
	2019	403	..	..	..	403	47
	2020	393	..	..	..	393	45
	2021	431	..	..	..	431	48
Kazakhstan	2018	6,561	0	2,757	5	3,799	205
	2019	5,929	0	2,698	36	3,195	170
	2020	5,422	..	3,564	-129	1,987	105
	2021	4,861	0	3,203	252	1,406	73
Korea, Dem.Ppl's.Rep.	2018	1,602	..	..	..	1,602	62
	2019	1,791	..	..	..	1,791	70
	2020	1,685	..	..	..	1,685	65
	2021	1,383	..	..	..	1,383	53
Korea, Republic of	2018	..	9,828	..	..	9,828	190
	2019	..	9,449	..	..	9,449	182
	2020	..	8,007	..	..	8,007	154
	2021	..	8,313	..	..	8,313	160
Kyrgyzstan	2018	2,071	4	367	-185	1,893	304
	2019	2,277	14	448	-26	1,869	296
	2020	2,155	4	400	-21	1,780	277
	2021	2,493	2	549	18	1,928	295
Lao People's Dem. Rep.	2018	15,903	..	413	*-1,061	16,551	2,330
	2019	15,264	..	..	*595	14,669	2,034
	2020	14,367	..	..	*37	14,330	1,958
	2021	13,618	..	..	*-862	14,480	1,950
Mongolia	2018	7,015	..	507	-20	6,529	2,064
	2019	6,977	..	137	..	6,840	2,116
	2020	7,105	..	90	..	7,015	2,129
	2021	7,488	1	430	..	7,059	2,109

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Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Other Asia	2018	..	11,566	..	-313	11,879	501
	2019	..	11,751	..	245	11,505	484
	2020	..	11,658	..	962	10,697	449
	2021	..	11,016	..	-103	11,119	466
Pakistan	2018	..	0	0	..	0	0
	2019	..	0	1	..	-1	0
	2020	..	59	1	..	59	0
	2021	..	1,747	2	..	1,745	8
Philippines	2018	11,755	26,301	5,035	2,044	30,976	285
	2019	13,751	27,692	9,980	-1,658	33,122	300
	2020	12,951	29,524	7,525	1,706	33,244	296
	2021	14,048	31,239	9,298	154	35,834	315
Saudi Arabia	2018	..	2	..	..	2	0
	2019	..	2	0	..	2	0
	2020	..	1	..	..	1	0
	2021	..	1	..	..	1	0
Tajikistan	2018	65	1	..	..	66	7
	2019	65	9	..	..	74	8
	2020	78	26	..	..	104	11
	2021	96	..	..	..	96	10
Thailand	2018	14,852	226	..	491	14,587	205
	2019	14,078	383	..	375	14,086	198
	2020	13,250	148	..	-29	13,427	188
	2021	14,222	276	..	-25	14,523	203
Türkiye	2018	82,835	..	1	353	82,481	996
	2019	85,883	..	1	811	85,071	1,019
	2020	73,646	..	4	1,386	72,256	859
	2021	85,230	..	33	-1,330	86,527	1,021
Uzbekistan	2018	3,993	722	0	-1,275	5,990	185
	2019	3,806	717	0	-197	4,720	143
	2020	3,869	2,107	..	-848	6,824	204
	2021	4,781	1,499	..	409	5,871	172
<b>Europe</b>	<b>2018</b>	<b>539,283</b>	<b>5,382</b>	<b>12,351</b>	<b>-2,029</b>	<b>534,343</b>	<b>715</b>
	<b>2019</b>	<b>473,889</b>	<b>5,555</b>	<b>13,400</b>	<b>4,203</b>	<b>461,842</b>	<b>617</b>
	<b>2020</b>	<b>396,906</b>	<b>4,717</b>	<b>13,793</b>	<b>-2,831</b>	<b>390,661</b>	<b>522</b>
	<b>2021</b>	<b>425,516</b>	<b>4,520</b>	<b>15,192</b>	<b>-4,852</b>	<b>419,695</b>	<b>561</b>
Austria	2018	..	80	0	..	79	9
	2019	..	68	0	..	68	8
	2020	..	64	0	..	64	7
	2021	..	60	0	..	60	7
Belgium	2018	128	3	1	-3	132	12
	2019	136	1	1	-5	141	12
	2020	143	2	0	-2	147	13
	2021	135	1	0	0	136	12
Bosnia and Herzegovina	2018	14,505	106	195	262	14,154	4,163
	2019	13,377	117	163	489	12,842	3,821
	2020	13,536	71	157	-238	13,688	4,125
	2021	12,831	37	161	-519	13,227	4,044
Bulgaria	2018	30,263	..	43	54	30,166	4,238
	2019	28,040	..	50	82	27,908	3,957
	2020	22,342	..	28	0	22,314	3,197
	2021	28,339	..	8	-197	28,527	4,143

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Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Croatia	2018	..	36	..	..	36	9
	2019	..	31	..	..	31	7
	2020	..	18	..	..	18	4
	2021	..	6	..	..	6	1
Czechia	2018	39,204	185	838	-243	38,794	3,682
	2019	37,486	62	685	670	36,193	3,435
	2020	29,433	54	491	-782	29,778	2,828
	2021	29,279	38	337	-695	29,675	2,823
Estonia	2018	21,883	..	..	509	21,374	16,166
	2019	15,877	..	..	624	15,253	11,494
	2020	12,144	..	..	103	12,041	9,057
	2021	11,743	..	..	-1,443	13,186	9,924
France	2018	..	67	..	-9	77	1
	2019	..	55	..	-4	59	1
	2020	..	45	..	-10	56	1
	2021	..	45	..	-1	46	1
Germany	2018	166,258	21	..	-920	167,199	2,017
	2019	131,314	24	..	-113	131,451	1,581
	2020	107,377	27	..	-25	107,430	1,289
	2021	126,257	27	..	102	126,182	1,513
Greece	2018	36,489	..	..	-180	36,669	3,449
	2019	27,375	..	..	754	26,621	2,518
	2020	14,054	..	2	-328	14,380	1,368
	2021	12,398	..	..	-816	13,214	1,265
Hungary	2018	7,898	159	3	-91	8,145	833
	2019	6,847	113	4	74	6,882	704
	2020	6,125	80	2	1	6,202	636
	2021	4,988	70	3	20	5,035	519
Italy	2018	..	2	..	..	2	0
	2019	..	1	..	..	1	0
	2020	..	1	..	..	1	0
	2021	..	1	..	..	1	0
Kosovo	2018	7,661	9	9	-32	7,692	4,499
	2019	8,063	11	27	-26	8,073	4,786
	2020	8,382	19	9	124	8,268	4,949
	2021	8,535	48	266	-51	8,368	5,035
Lithuania	2018	..	2	..	0	1	0
	2019	..	..	..	-1	1	0
	2020	..	..	..	0	0	0
	2021	..	..	..	..	..	..
Montenegro	2018	1,596	5	94	-65	1,573	2,491
	2019	1,605	5	111	6	1,494	2,370
	2020	1,665	6	81	-3	1,594	2,533
	2021	1,549	..	148	-3	1,403	2,235
Netherlands (Kingd. of the)	2018	..	54	..	0	54	3
	2019	..	11	..	0	12	1
	2020	..	16	..	..	16	1
	2021	..	9	..	..	9	1
North Macedonia	2018	5,477	146	1	-277	5,900	2,792
	2019	5,477	146	1	-277	5,900	2,791
	2020	5,028	173	1	-7	5,207	2,467
	2021	4,119	355	..	132	4,342	2,064

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Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Poland	2018	58,571	276	287	-24	58,583	1,521
	2019	50,329	290	148	10	50,461	1,311
	2020	45,983	151	54	-26	46,107	1,200
	2021	52,356	130	9	-139	52,615	1,373
Romania	2018	23,647	588	6	-724	24,953	1,273
	2019	21,652	882	0	315	22,218	1,138
	2020	15,031	496	2	-319	15,844	815
	2021	17,733	597	..	-541	18,872	976
Russian Federation	2018	80,478	2,160	10,796	25	71,817	493
	2019	81,886	2,338	12,116	1,674	70,434	483
	2020	71,834	2,229	12,894	-328	61,497	422
	2021	75,150	2,201	14,219	*-100	63,232	436
Serbia	2018	37,649	369	80	-560	38,498	5,179
	2019	38,881	378	94	517	38,648	5,222
	2020	39,673	328	73	-746	40,674	5,528
	2021	36,418	386	40	-254	37,017	5,073
Slovakia	2018	1,502	595	..	43	2,054	377
	2019	1,465	507	..	45	1,927	353
	2020	981	486	..	-211	1,678	308
	2021	1,074	234	..	2	1,306	240
Slovenia	2018	3,217	411	..	-51	3,678	1,746
	2019	3,143	418	..	97	3,464	1,639
	2020	3,175	348	..	72	3,450	1,629
	2021	2,612	169	..	-351	3,132	1,478
Spain	2018	1,630	..	..	250	1,380	29
	2019	..	..	..	-729	729	15
	2020	..	..	..	-105	105	2
	2021	..	..	..	..	..	..
Switzerland	2018	..	110	..	3	107	13
	2019	..	97	..	1	96	11
	2020	..	103	..	1	102	12
	2021	..	106	..	3	103	12
Ukraine	2018	1,228	..	..	2	1,226	28
	2019	935	..	..	..	935	21
	2020	..	..	..	..	..	..
	2021	..	..	..	..	..	..
<b>Latin America &amp; Carib.</b>	<b>2018</b>	<b>6,971</b>	<b>2,010</b>	..	<b>-321</b>	<b>9,302</b>	<b>15</b>
	<b>2019</b>	<b>5,626</b>	<b>1,418</b>	..	<b>-622</b>	<b>7,666</b>	<b>12</b>
	<b>2020</b>	<b>3,531</b>	<b>237</b>	..	<b>-164</b>	<b>3,932</b>	<b>6</b>
	<b>2021</b>	<b>4,569</b>	<b>69</b>	..	<b>-63</b>	<b>4,701</b>	<b>7</b>
Guyana	2018	..	..	..	..	..	..
	2019	..	1	..	..	1	1
	2020	..	..	..	..	..	..
	2021	..	0	..	..	0	1
Mexico	2018	6,971	2,010	..	-321	9,302	75
	2019	5,626	1,417	..	-622	7,665	61
	2020	3,531	237	..	-164	3,932	31
	2021	4,569	69	..	-63	4,701	37
<b>Northern America</b>	<b>2018</b>	<b>385,294</b>	<b>2,881</b>	<b>7,265</b>	<b>-19,683</b>	<b>400,593</b>	<b>1,085</b>
	<b>2019</b>	<b>350,174</b>	<b>2,821</b>	<b>6,024</b>	<b>11,537</b>	<b>335,433</b>	<b>902</b>
	<b>2020</b>	<b>282,926</b>	<b>3,375</b>	<b>3,941</b>	<b>6,860</b>	<b>275,501</b>	<b>737</b>
	<b>2021</b>	<b>301,912</b>	<b>2,616</b>	<b>6,039</b>	<b>-22,468</b>	<b>320,957</b>	<b>855</b>

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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
Canada	2018	25,101	1,292	291	95	26,007	702
	2019	19,284	926	128	-288	20,369	543
	2020	15,174	1,329	191	350	15,963	421
	2021	15,769	734	190	301	16,012	420
United States	2018	360,193	1,589	6,974	-19,778	374,586	1,128
	2019	330,890	1,895	5,896	11,825	315,064	942
	2020	267,752	2,046	3,750	6,510	259,538	773
	2021	286,143	1,882	5,849	-22,769	304,945	905
<b>Oceania</b>	<b>2018</b>	<b>76,068</b>	<b>526</b>	<b>28</b>	<b>90</b>	<b>76,476</b>	<b>1,798</b>
	<b>2019</b>	<b>71,530</b>	<b>962</b>	<b>10</b>	<b>79</b>	<b>72,404</b>	<b>1,673</b>
	<b>2020</b>	<b>68,695</b>	<b>1,040</b>	<b>33</b>	<b>219</b>	<b>69,483</b>	<b>1,582</b>
	<b>2021</b>	<b>67,822</b>	<b>1,806</b>	<b>55</b>	<b>261</b>	<b>69,313</b>	<b>1,558</b>
Australia	2018	74,156	..	..	..	74,156	2,969
	2019	69,787	..	..	..	69,787	2,752
	2020	67,005	..	..	..	67,005	2,610
	2021	66,211	..	..	..	66,211	2,554
New Zealand	2018	1,912	526	28	90	2,320	479
	2019	1,743	962	10	79	2,617	528
	2020	1,690	1,040	33	219	2,478	490
	2021	1,611	1,806	55	261	3,102	605