

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

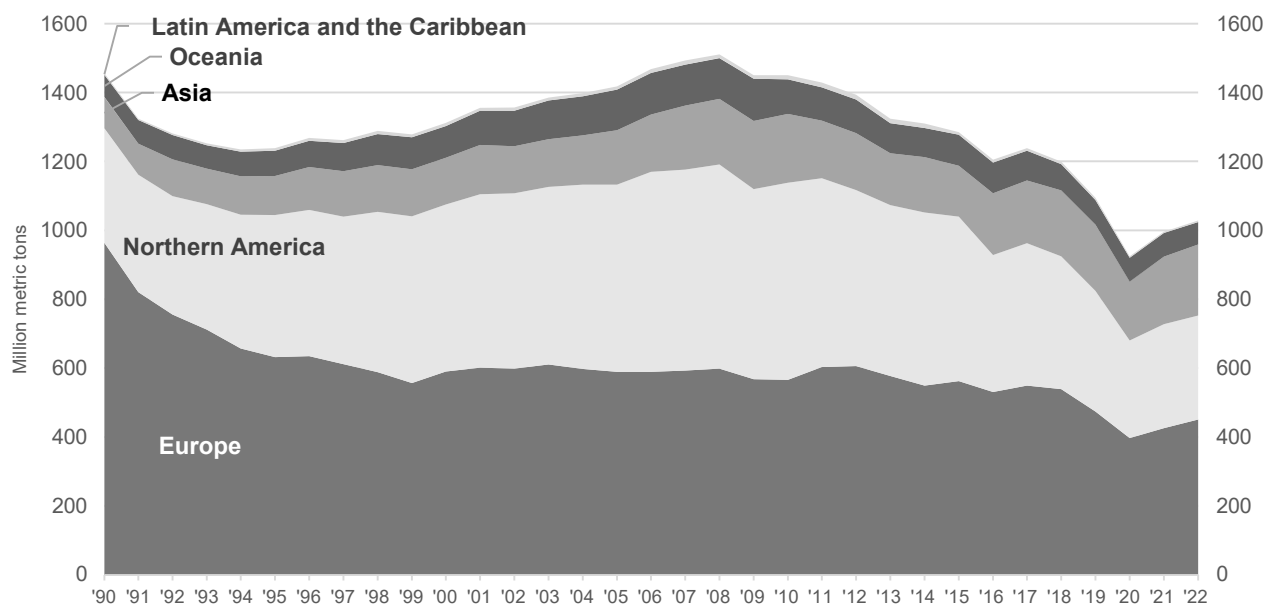
Thousand metric tons and kilograms per capita

#### Table Notes

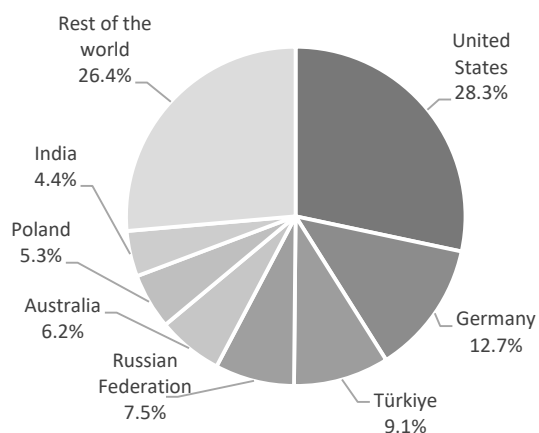
Data refer to brown coal and oil shale.

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, 1990-2022**



**Figure 19: Major brown coal producing countries, 2022**



**Figure 20: Major brown coal consuming countries, 2022**

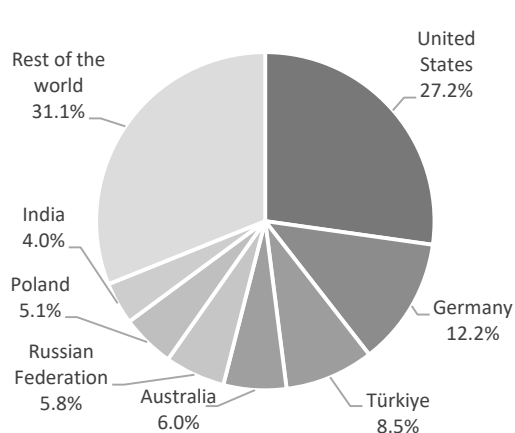


Table 8

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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	2019	1,093,941	72,132	32,820	15,152	1,118,101	143
	2020	923,955	77,939	29,529	7,782	964,583	122
	2021	996,300	78,903	34,921	-28,891	1,069,174	134
	2022	1,028,486	81,183	33,782	5,511	1,070,376	133
Asia	2019	192,419	61,379	13,386	-5	240,417	52
	2020	171,652	68,573	11,764	3,711	224,750	48
	2021	196,315	69,894	13,635	125	252,449	54
	2022	205,741	73,060	10,495	8,015	260,290	55
Brunei Darussalam	2019	..	341	..	..	341	770
	2020	..	1,200	..	..	1,200	2,682
	2021	..	1,297	..	..	1,297	2,871
	2022	..	1,257	..	..	1,257	2,761
Cambodia	2019	77	2,346	..	..	2,423	147
	2020	18	3,423	..	..	3,441	206
	2021	25	3,025	..	..	3,050	180
	2022	25	2,886	..	..	2,912	169
Georgia	2019	15	..	1	11	4	1
	2020	99	..	1	15	84	22
	2021	148	..	1	-4	151	40
	2022	146	..	0	2	144	38
India	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	32
	2022	44,990	23	2	1,833	43,178	30
Israel	2019	403	..	..	..	403	47
	2020	393	..	..	..	393	45
	2021	431	..	..	..	431	48
	2022	254	..	..	..	254	28
Kazakhstan	2019	5,929	0	2,698	36	3,195	166
	2020	5,422	..	3,564	-129	1,987	102
	2021	4,861	0	3,203	252	1,406	71
	2022	5,665	0	2,261	309	3,096	155
Korea, Dem.Ppl's.Rep.	2019	1,791	..	..	..	1,791	69
	2020	1,685	..	..	..	1,685	64
	2021	1,383	..	..	..	1,383	53
	2022	1,445	..	..	..	1,445	55
Korea, Republic of	2019	..	1,870	..	..	1,870	36
	2020	..	1,833	..	..	1,833	35
	2021	..	2,036	..	..	2,036	39
	2022	..	2,016	..	..	2,016	39
Kyrgyzstan	2019	2,277	14	448	-26	1,869	288
	2020	2,155	4	400	-21	1,780	267
	2021	2,493	2	549	18	1,928	283
	2022	3,214	10	817	-874	3,281	472
Lao People's Dem. Rep.	2019	15,264	..	..	*595	14,669	2,027
	2020	14,367	..	..	*37	14,330	1,951
	2021	13,618	..	..	*-862	14,480	1,943
	2022	15,358	..	..	72	15,286	2,022
Mongolia	2019	6,977	..	137	..	6,840	2,116
	2020	7,105	..	90	..	7,015	2,132
	2021	7,488	1	430	..	7,059	2,114
	2022	7,434	14	128	..	7,319	2,162

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Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Other Asia	2019	..	11,751	..	245	11,505	486
	2020	..	11,658	..	962	10,697	452
	2021	..	11,016	..	-103	11,119	472
	2022	..	11,881	..	519	11,362	485
Pakistan	2019	..	3,190	1	..	3,189	14
	2020	..	3,250	1	..	3,249	14
	2021	..	4,405	2	..	4,403	18
	2022	..	5,082	1	..	5,080	21
Philippines	2019	13,751	27,692	9,980	-1,658	33,122	299
	2020	12,951	29,524	7,525	1,706	33,244	297
	2021	14,048	31,239	9,298	154	35,834	317
	2022	14,457	32,696	7,094	3,918	36,141	317
Saudi Arabia	2019	..	2	0	..	2	0
	2020	..	1	..	..	1	0
	2021	..	1	..	..	1	0
	2022	..	1	..	..	1	0
Tajikistan	2019	65	9	..	..	74	8
	2020	78	26	..	..	104	11
	2021	96	..	..	..	96	10
	2022	140	5	..	..	144	14
Thailand	2019	14,078	13,393	27	..	27,444	384
	2020	13,250	15,527	29	..	28,748	401
	2021	14,222	15,306	101	..	29,427	410
	2022	13,641	15,363	166	..	28,838	402
Türkiye	2019	85,883	..	1	811	85,071	997
	2020	73,646	..	4	1,386	72,256	839
	2021	85,230	..	33	-1,330	86,527	998
	2022	93,896	..	14	2,488	91,394	1,050
Uzbekistan	2019	3,806	717	0	-197	4,720	143
	2020	3,869	2,107	0	-848	6,824	203
	2021	4,781	1,499	0	409	5,871	171
	2022	5,074	1,826	12	-252	7,140	204
<b>Europe</b>	<b>2019</b>	<b>474,193</b>	<b>5,553</b>	<b>13,400</b>	<b>4,164</b>	<b>462,182</b>	<b>615</b>
	<b>2020</b>	<b>397,151</b>	<b>4,715</b>	<b>13,793</b>	<b>-2,845</b>	<b>390,917</b>	<b>520</b>
	<b>2021</b>	<b>425,682</b>	<b>4,518</b>	<b>15,192</b>	<b>-4,827</b>	<b>419,835</b>	<b>559</b>
	<b>2022</b>	<b>450,237</b>	<b>5,088</b>	<b>19,089</b>	<b>-158</b>	<b>436,394</b>	<b>583</b>
Austria	2019	..	68	0	..	68	8
	2020	..	64	0	..	64	7
	2021	..	59	0	..	59	7
	2022	..	68	0	..	68	8
Belgium	2019	136	1	1	-5	141	12
	2020	143	2	0	-2	147	13
	2021	113	1	0	0	114	10
	2022	99	2	1	0	100	9
Bosnia and Herzegovina	2019	13,377	117	163	489	12,842	3,839
	2020	13,536	71	157	-238	13,688	4,149
	2021	12,831	37	161	-519	13,227	4,076
	2022	13,328	40	958	-398	12,807	3,996
Bulgaria	2019	28,344	..	50	44	28,250	4,050
	2020	22,587	..	28	-13	22,572	3,255
	2021	28,419	..	8	-175	28,585	4,156
	2022	35,602	..	466	65	35,071	5,138

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Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Croatia	2019	..	31	..	..	31	8
	2020	..	18	..	..	18	5
	2021	..	6	..	..	6	1
	2022	..	8	..	..	8	2
Czechia	2019	37,486	62	685	670	36,193	3,429
	2020	29,433	54	491	-782	29,778	2,822
	2021	29,279	38	337	-694	29,675	2,818
	2022	33,388	22	977	-198	32,632	3,057
Estonia	2019	15,877	..	..	624	15,253	11,496
	2020	12,144	..	..	103	12,041	9,056
	2021	11,743	..	..	-1,443	13,186	9,901
	2022	13,967	..	..	-1,092	15,060	11,155
France	2019	..	55	..	-4	59	1
	2020	..	45	..	-10	56	1
	2021	..	45	..	-1	46	1
	2022	..	24	..	1	24	0
Germany	2019	131,314	24	..	-113	131,451	1,573
	2020	107,377	27	..	-25	107,430	1,285
	2021	126,257	27	..	105	126,179	1,508
	2022	130,801	30	..	-30	130,861	1,556
Greece	2019	27,375	..	..	754	26,621	2,484
	2020	14,054	..	2	-328	14,380	1,344
	2021	12,398	..	..	-816	13,214	1,249
	2022	14,251	..	361	829	13,061	1,254
Hungary	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
	2022	4,927	109	3	79	4,954	512
Italy	2019	..	1	..	..	1	0
	2020	..	1	..	..	1	0
	2021	..	1	..	..	1	0
	2022	..	0	..	..	0	0
Kosovo	2019	8,063	11	27	-26	8,073	4,600
	2020	8,382	19	9	124	8,268	4,721
	2021	8,535	48	266	-51	8,368	4,805
	2022	8,279	9	127	-42	8,203	4,775
Lithuania	2019	..	..	..	-1	1	0
	2020	..	..	..	0	0	0
	2021	..	..	..	..	..	..
	2022	..	27	..	2	25	9
Montenegro	2019	1,605	5	111	6	1,494	2,442
	2020	1,665	6	81	-3	1,594	2,621
	2021	1,549	..	148	-3	1,403	2,324
	2022	1,723	..	243	..	1,479	2,407
Netherlands (Kingd. of the)	2019	..	9	..	0	9	1
	2020	..	14	..	..	14	1
	2021	..	7	..	..	7	0
	2022	..	14	..	..	14	1
North Macedonia	2019	5,477	146	1	-277	5,900	3,109
	2020	5,028	173	1	-7	5,207	2,782
	2021	4,119	355	0	132	4,342	2,346
	2022	5,079	738	53	-7	5,771	3,136

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Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Poland	2019	50,329	290	148	10	50,461	1,320
	2020	45,983	151	54	-26	46,107	1,208
	2021	52,356	130	9	-139	52,615	1,383
	2022	54,621	270	0	82	54,808	1,428
Romania	2019	21,652	882	0	315	22,218	1,139
	2020	15,031	496	2	-319	15,844	817
	2021	17,733	597	..	-541	18,872	980
	2022	18,201	533	226	-26	18,533	967
Russian Federation	2019	81,886	2,338	12,116	1,674	70,434	481
	2020	71,834	2,229	12,894	-328	61,497	420
	2021	75,259	2,201	14,219	*-100	63,341	434
	2022	77,614	..	15,647	..	61,967	426
Serbia	2019	38,881	378	94	517	38,648	5,548
	2020	39,673	328	73	-746	40,674	5,888
	2021	36,418	386	40	-254	37,017	5,415
	2022	35,130	2,158	27	205	37,056	5,456
Slovakia	2019	1,465	507	..	45	1,927	354
	2020	981	486	..	-211	1,678	308
	2021	1,074	234	..	2	1,306	240
	2022	869	494	..	17	1,346	246
Slovenia	2019	3,143	418	..	97	3,464	1,663
	2020	3,175	348	..	72	3,450	1,641
	2021	2,612	169	..	-351	3,132	1,482
	2022	2,358	436	..	352	2,442	1,154
Spain	2019	..	..	..	-729	729	15
	2020	..	..	..	-105	105	2
	2021	..	..	..	..	..	..
	2022	..	..	..	..	..	..
Switzerland	2019	..	97	..	1	96	11
	2020	..	103	..	1	102	12
	2021	..	106	..	3	103	12
	2022	..	106	..	1	105	12
Ukraine	2019	935	..	..	..	935	21
	2020	..	..	..	..	..	..
	2021	..	0	..	-1	1	0
	2022	..	..	..	..	..	..
<b>Latin America &amp; Carib.</b>	<b>2019</b>	<b>5,626</b>	<b>1,417</b>	<b>..</b>	<b>-622</b>	<b>7,665</b>	<b>12</b>
	<b>2020</b>	<b>3,531</b>	<b>237</b>	<b>..</b>	<b>-164</b>	<b>3,932</b>	<b>6</b>
	<b>2021</b>	<b>4,569</b>	<b>69</b>	<b>..</b>	<b>-63</b>	<b>4,701</b>	<b>7</b>
	<b>2022</b>	<b>4,572</b>	<b>335</b>	<b>..</b>	<b>9</b>	<b>4,898</b>	<b>7</b>
Chile	2019	..	..	..	..	..	..
	2020	..	..	..	..	..	..
	2021	..	..	..	..	..	..
	2022	..	77	..	..	77	4
Guyana	2019	..	0	..	..	0	0
	2020	..	..	..	..	..	..
	2021	..	0	..	..	0	1
	2022	..	0	..	..	0	0
Mexico	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
	2022	4,572	252	..	9	4,815	37

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Country or area	Year	Production	Imports	Exports	Changes in stocks	Supply	
						Total	Per capita
Uruguay	2019	..	0	..	..	0	0
	2020	..	0	..	..	0	0
	2021	..	0	..	..	0	0
	2022	..	*6	..	..	*6	*2
<b>Northern America</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>893</b>
	<b>2020</b>	<b>282,926</b>	<b>3,375</b>	<b>3,940</b>	<b>6,860</b>	<b>275,502</b>	<b>729</b>
	<b>2021</b>	<b>301,912</b>	<b>2,616</b>	<b>6,039</b>	<b>-24,386</b>	<b>322,876</b>	<b>852</b>
	<b>2022</b>	<b>302,420</b>	<b>2,014</b>	<b>4,152</b>	<b>-2,441</b>	<b>302,723</b>	<b>796</b>
Canada	2019	19,284	926	128	-288	20,369	539
	2020	15,174	1,329	190	350	15,964	418
	2021	15,769	734	190	-1,617	17,931	466
	2022	11,083	417	187	80	11,233	289
United States	2019	330,890	1,895	5,896	11,825	315,064	933
	2020	267,752	2,046	3,750	6,510	259,538	765
	2021	286,143	1,882	5,849	-22,769	304,945	896
	2022	291,337	1,597	3,965	-2,521	291,490	853
<b>Oceania</b>	<b>2019</b>	<b>71,530</b>	<b>962</b>	<b>10</b>	<b>79</b>	<b>72,404</b>	<b>1,664</b>
	<b>2020</b>	<b>68,695</b>	<b>1,040</b>	<b>33</b>	<b>219</b>	<b>69,483</b>	<b>1,576</b>
	<b>2021</b>	<b>67,822</b>	<b>1,806</b>	<b>55</b>	<b>261</b>	<b>69,313</b>	<b>1,556</b>
	<b>2022</b>	<b>65,516</b>	<b>687</b>	<b>46</b>	<b>86</b>	<b>66,071</b>	<b>1,467</b>
Australia	2019	69,787	..	..	..	69,787	2,739
	2020	67,005	..	..	..	67,005	2,603
	2021	66,211	..	..	..	66,211	2,551
	2022	64,109	..	..	..	64,109	2,447
New Zealand	2019	1,743	962	10	79	2,617	524
	2020	1,690	1,040	33	219	2,478	489
	2021	1,611	1,806	55	261	3,102	607
	2022	1,407	687	46	86	1,962	382