



2017–2018 Minerals Yearbook

EUROPE AND CENTRAL EURASIA



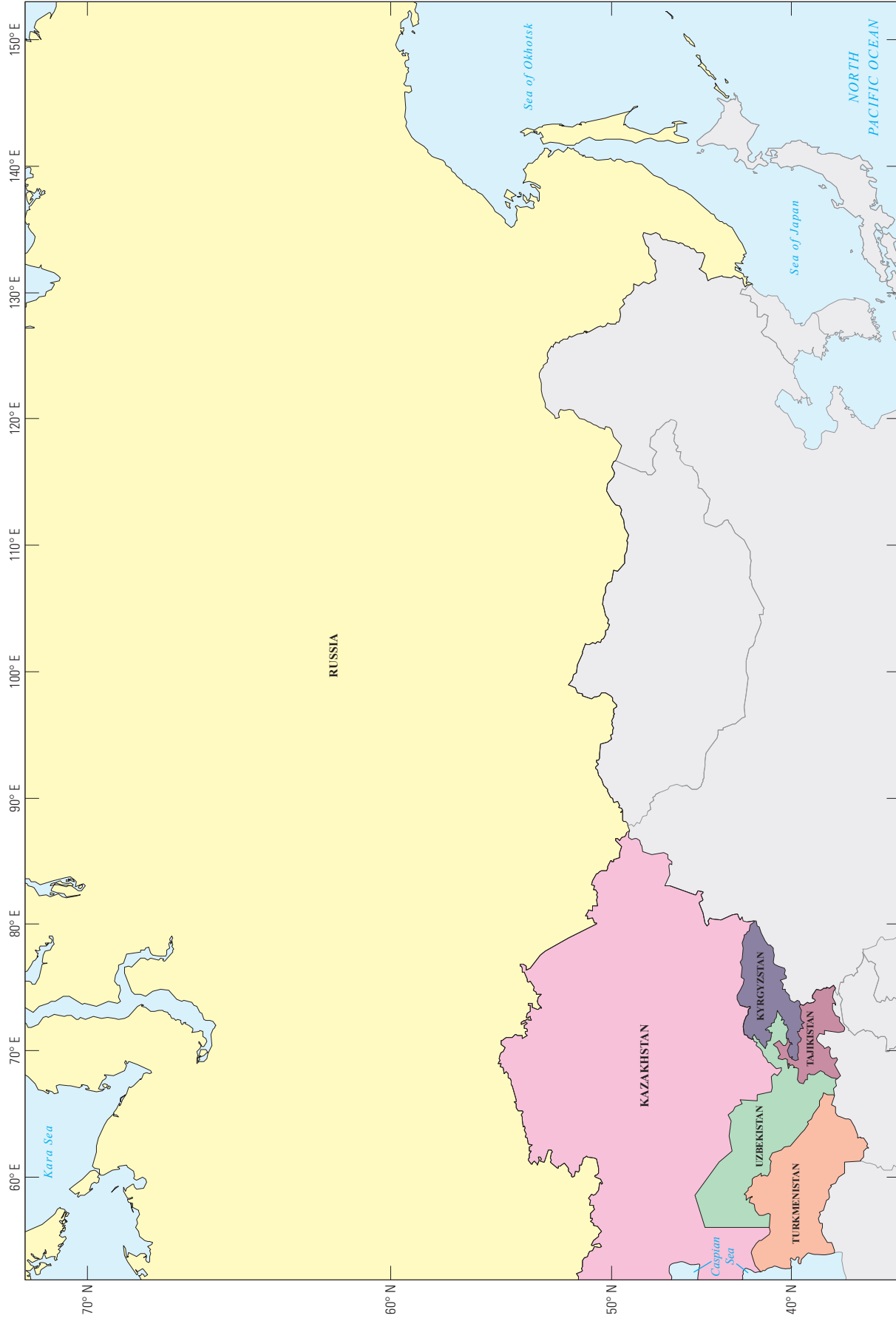


Figure 1.—Continued.

THE MINERAL INDUSTRIES OF EUROPE AND CENTRAL EURASIA

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The countries and dependencies that are covered in this chapter have a combined population of approximately 918 million people and a land area of 30.1 million square kilometers (fig. 1; table 1). The gross domestic product (GDP) of the Europe and Central Eurasia region was \$32.7 trillion, accounting for 25.4% of the world's GDP. In 2018, the region's GDP increased by 2.7% compared with that of 2017 (table 2).

The Europe and Central Eurasia region accounted for 52% each of the world's production of mined coal (lignite) and uranium; 43%, of potash; 42%, of mined palladium; and 36% each, of refined nickel and titanium sponge. Some countries of the Europe and Central Eurasia region were globally significant producers of metals, industrial minerals, and mineral fuels and related materials (fig. 2). The major producers of uranium in the region were Kazakhstan, which accounted for 38.9% of world production; Uzbekistan, 6.0%; and Russia, 5.2%. The major producers of lignite coal in the region were Germany, 14.0%; Turkey, 8.3%; and Russia, 6.8%. The major producers of potash in the region were Belarus, 16.7%; Russia, 16.3%; and Germany, 7.3%. Data on mineral production for selected mineral commodities, by country in the region, are in table 3.

Acknowledgments

The U.S. Geological Survey acknowledges and expresses its sincere appreciation to the following organizations for providing mineral production statistics, basic economic data, and exploration and mineral-related information:

- Albania—National Agency of Natural Resources;
- Armenia—National Statistical Service;
- Austria—Federal Ministry for Economy, Family, and Youth;
- Azerbaijan—The State Statistical Committee;
- Belarus—National Statistical Committee (BelStat);
- Belgium—Statistics Belgium (StatBel);
- Bosnia and Herzegovina—Agency for Statistics of Bosnia and Herzegovina;
- Croatia—Government of Croatia;
- Cyprus—The Mine Service; Ministry of Agriculture, Natural Resources and Environment;
- Czechia (formerly referred to as the Czech Republic)—Czech Geological Survey;

- Denmark—Statistics Denmark;
- Estonia—Geological Survey of Estonia;
- Finland—Geological Survey of Finland;
- Georgia—National Statistics Office of Georgia (GEOSTAT);
- Germany—Federal Institute for Geosciences and Natural Resources;
- Greece—Government of Greece;
- Hungary—Ministry of Economy and Transport of the Republic of Hungary, Hungarian Geological Survey;
- Iceland—Statistics Iceland;
- Ireland—Government of Ireland;
- Kazakhstan—Bureau of National Statistics;
- Kosovo—Independent Commission for Mines and Minerals (ICMM);
- Latvia—Central Statistical Bureau of Latvia;
- Lithuania—Statistics Lithuania;
- Macedonia—State Statistical Office;
- Malta—Ministry for Transport and Infrastructure;
- Moldova—National Bureau of Statistics of the Republic of Moldova;
- Montenegro—Statistical Office of the Republic of Montenegro;
- Norway—Directorate of Mining;
- Poland—Central Statistical Office;
- Portugal—Geological and Mining Institute;
- Romania—National Institute of Statistics;
- Russia—Russian Federal State Statistics Service;
- Slovakia—Statistical Office of the Slovak Republic;
- Slovenia—Geological Institute of Slovenia;
- Sweden—Geological Survey of Sweden;
- Switzerland—Central Statistics Office;
- Tajikistan—Agency on Statistics Under President of the Republic of Tajikistan;
- Turkey—Turkish Statistical Institute;
- Ukraine—State Statistics Service of Ukraine; and
- Uzbekistan—State Committee for Geology and Mineral Resources.

TABLE 1
EUROPE AND CENTRAL EURASIA: AREA AND POPULATION IN 2018

Country or territory	Area ¹ (square kilometers)	Estimated population ² (thousands)
Albania	28,748	2,866
Armenia	29,743	2,952
Austria	83,871	8,841
Azerbaijan	86,600	9,940
Belarus	207,600	9,483
Belgium	30,528	11,427
Bosnia and Herzegovina	51,197	3,324
Bulgaria	110,879	7,025
Croatia	56,594	4,088
Cyprus	9,251	1,189
Czechia	78,867	10,630
Denmark, including the Faroe Islands and Greenland	2,210,573	5,898
Estonia	45,228	1,322
Finland	338,145	5,516
France	551,500	66,966
Georgia	69,700	3,727
Germany	357,022	82,906
Greece	131,957	10,733
Hungary	93,028	9,776
Iceland	103,000	353
Ireland	70,273	4,867
Italy	301,340	60,422
Kazakhstan	2,724,900	18,276
Kosovo	10,887	1,797
Kyrgyzstan	199,951	6,323
Latvia	64,589	1,927
Lithuania	65,300	2,802
Luxembourg	2,586	608
Malta	316	485
Moldova	33,851	2,706
Montenegro	13,812	622
Netherlands	41,543	17,232
North Macedonia	25,713	2,083
Norway	323,802	5,312
Poland	312,685	37,975
Portugal	92,090	10,284
Romania	238,391	19,473
Russia	17,098,242	144,478
Serbia	77,474	6,983
Slovakia	49,035	5,447
Slovenia	20,273	2,074
Spain	505,370	46,798
Sweden	450,295	10,175
Switzerland	41,277	8,514
Tajikistan	144,100	9,101
Turkey	783,562	82,320
Turkmenistan	488,100	5,851
Ukraine	603,550	44,623
United Kingdom	243,610	66,460
Uzbekistan	447,400	32,956
Regional total	30,148,000	917,936
World total	148,940,000 ³	7,591,945 ⁴

¹Source: U.S. Central Intelligence Agency, The World Factbook.

²Source: The World Bank, 2021 World Development Indicators Database.

³World area total includes the areal extent of some countries and (or) territories not covered in the Minerals Yearbook.

⁴World population total includes populations of some countries and (or) territories not covered in the Minerals Yearbook.

TABLE 2
EUROPE AND CENTRAL EURASIA: GROSS DOMESTIC PRODUCT^{1, 2}

Country or territory	Gross domestic product in 2018 based on purchasing power parity		Real gross domestic product growth rate (percentage)		
	Gross value	Per capita			
	(million dollars)	(dollars)	2016	2017	2018
Albania	40,080	13,983	3.3	3.8	4.1
Armenia	38,442	12,948	0.2	7.5	5.2
Austria	504,124	56,741	2.1	2.5	2.4
Azerbaijan	144,632	14,612	-3.1	0.2	1.5
Belarus	183,398	19,321	-2.5	2.5	3.1
Belgium	599,651	52,607	1.5	1.9	1.5
Bosnia and Herzegovina	49,274	14,828	3.1	3.2	3.7
Bulgaria	160,195	22,885	3.8	3.5	3.1
Croatia	115,810	28,322	3.5	3.1	2.7
Cyprus	34,725	40,180	6.7	4.4	4.1
Czechia	436,268	41,118	2.5	5.2	3.2
Denmark, including the Faroe Islands and Greenland	332,837	57,572	3.2	2.0	2.4
Estonia	47,776	36,140	3.2	5.5	4.4
Finland	271,994	49,336	2.8	3.3	1.5
France	3,124,289	48,261	1.1	2.3	1.8
Georgia	54,392	14,584	2.9	4.8	4.8
Germany	4,564,715	55,059	2.2	2.6	1.3
Greece	326,552	30,402	-0.2	1.5	1.9
Hungary	311,048	31,811	2.2	4.3	5.1
Iceland	20,287	58,220	6.6	4.5	3.9
Ireland	422,353	86,444	1.7	9.4	9.3
Italy	2,610,907	43,167	1.3	1.7	0.8
Kazakhstan	478,069	25,988	1.1	4.1	4.1
Kosovo	20,050	11,183	4.1	4.2	3.8
Kyrgyzstan	33,139	5,297	4.3	4.7	3.5
Latvia	59,089	30,547	1.8	3.8	4.3
Lithuania	101,526	36,239	2.6	4.2	3.6
Luxembourg	71,039	118,004	4.6	1.8	3.1
Malta	21,687	45,589	3.9	8.0	5.2
Moldova	34,187	12,521	4.4	4.7	4.0
Montenegro	13,196	21,208	2.9	4.7	5.1
Netherlands	993,869	57,847	2.2	2.9	2.4
North Macedonia	34,142	16,439	2.8	1.1	2.7
Norway	344,496	64,707	1.1	2.3	1.3
Poland	1,235,257	32,527	3.1	4.9	5.3
Portugal	358,182	34,830	2.0	3.5	2.6
Romania	571,838	29,279	4.8	7.1	4.4
Russia	4,009,646	27,317	0.2	1.8	2.5
Serbia	124,582	17,842	3.3	2.0	4.4
Slovakia	178,857	32,859	2.1	3.0	3.9
Slovenia	80,747	39,067	3.1	4.8	4.1
Spain	1,932,664	41,608	3.0	2.9	2.4
Sweden	553,761	54,130	2.1	2.6	2.0
Switzerland	597,066	70,376	1.7	1.9	2.7
Tajikistan	30,094	3,304	6.9	7.1	7.3
Turkey	2,406,255	29,343	3.3	7.5	3.0
Turkmenistan	88,905	15,409	6.2	6.5	6.2
Ukraine	533,874	12,716	2.4	2.5	3.4
United Kingdom	3,151,659	47,439	1.9	1.9	1.3
Uzbekistan	227,980	6,981	6.1	4.5	5.4
Regional total	32,679,605	35,601 ³	2.1 ⁴	3.3 ⁴	2.7 ⁴
World total ⁵	128,711,608	16,954 ³	3.3	3.8	3.5

See footnotes at end of table.

TABLE 2—Continued
EUROPE AND CENTRAL EURASIA: GROSS DOMESTIC PRODUCT^{1, 2}

¹Source: International Monetary Fund, World Economic Outlook Database, October 2020.

²Gross domestic product listed may differ from that reported in individual country chapters owing to differences in the source or date of reporting.

³Calculated as gross domestic product divided by population.

⁴Annual change in regional gross domestic product.

⁵World gross domestic product total includes the gross domestic product of some countries and (or) territories not covered in the Minerals Yearbook.

TABLE 3
EUROPE AND CENTRAL EURASIA: PRODUCTION OF SELECTED MINERAL COMMODITIES IN 2018^{1,2}
(Thousand metric tons unless otherwise specified)

Country	Metals						
	Aluminum		Antimony, mine output, Sb content (metric tons)	Chromite, mine output, gross weight	Cobalt (metric tons)		Copper
	Alumina	Bauxite			Primary	Secondary	
Albania	--	--	--	1,143	--	--	--
Armenia	--	--	--	--	--	--	4
Austria	--	--	--	--	--	472	69
Azerbaijan	--	--	47	--	--	--	--
Belarus	--	--	--	--	--	--	2
Belgium	--	--	--	--	--	--	--
Bosnia and Herzegovina	262	700 ^e	107	--	--	--	--
Bulgaria	--	--	7	--	--	--	1,650
Croatia	--	--	--	--	--	--	--
Cyprus	--	--	--	--	--	--	70
Czechia	--	--	66	--	--	--	--
Denmark and Greenland	--	--	--	--	--	--	--
Estonia	--	--	--	--	--	--	1
Finland	--	--	--	--	--	--	--
France	--	--	380	2,211	1,377	12,874	47
Georgia	--	--	--	--	--	48	--
Germany	1,900 ^e	--	529	--	--	--	9
Greece	827	1,607	185	--	--	--	--
Hungary	265	5	--	--	--	--	--
Iceland	--	--	885 ^e	--	--	--	--
Ireland	1,874	--	--	--	--	--	--
Italy	--	--	734	--	--	--	--
Kazakhstan	1,481	5,700	258	300 ^e	6,689	--	593
Kosovo	--	--	--	--	--	--	--
Kyrgyzstan	--	--	--	--	--	--	16
Latvia	--	--	--	--	--	--	--
Lithuania	--	--	--	--	--	--	--
Luxembourg	--	--	--	--	--	--	--
Macedonia	--	--	--	--	--	--	7
Malta	--	--	--	--	--	--	--
Moldova	--	--	--	--	--	--	--
Montenegro	--	468	50 ^e	--	--	--	--
Netherlands	--	--	100 ^e	--	--	--	--
Norway	--	--	1,300 ^e	--	--	--	--
Poland	--	--	11	--	--	--	854

See footnotes at end of table.

TABLE 3—Continued
EUROPE AND CENTRAL EURASIA: PRODUCTION OF SELECTED MINERAL COMMODITIES IN 2018^{1,2}
(Thousand metric tons unless otherwise specified)

Country	Metals									
	Aluminum			Antimony,		Chromite, mine output, gross weight	Cobalt (metric tons)		Copper	
	Alumina	Bauxite	Metal		Sb content (metric tons)		Mine output, Co content	Refined	Mine output, Cu content	
			Primary	Secondary						
Portugal	--	--	--	--	--	--	--	--	--	49
Romania	572	--	283	9	--	--	--	--	--	9
Russia	2,763	5,651	3,627	--	30,000 ^e	507	6,100 ^e	1,800	784	784
Serbia	--	--	--	36	--	--	--	--	--	86
Slovakia	--	--	218	--	--	--	--	--	--	--
Slovenia	150	--	81	25	--	--	--	--	--	--
Spain	1,589	--	350	--	--	--	--	--	--	116
Sweden	--	--	125	--	--	--	--	--	--	106
Switzerland	--	--	--	--	--	--	--	--	--	--
Tajikistan	--	--	96	--	15,200	--	--	--	--	--
Turkey	300 ^e	1,000 ^e	80 ^e	--	2,400 ^e	8,900 ^e	259	--	80	80
Turkmenistan	--	--	--	--	--	--	--	--	--	--
Ukraine	1,715	--	--	--	--	--	--	--	--	--
United Kingdom	--	--	48 ^e	149 ^e	--	--	--	--	--	--
Uzbekistan	--	--	--	--	--	--	--	--	100	100
Regional total	13,700 ^e	15,100 ^e	8,750 ^e	2,460 ^e	47,900 ^e	19,500 ^e	7,740 ^e	16,372	3,002	3,002
Share of world total	10.5%	4.5%	13.8%	22.2%	32.8%	44.0%	5.2%	13.6%	15.8%	15.8%
United States	1,570	W	891	--	--	--	490 ^e	--	1,220	1,220
Share of world total	1.2%	W	1.4%	--	--	--	0.3%	--	6.4%	6.4%
World total	131,000	339,000	63,600	11,100	146,000	44,300	148,000	120,000	19,000	19,000
See footnotes at end of table.										

See footnotes at end of table.

TABLE 3—Continued
EUROPE AND CENTRAL EURASIA: PRODUCTION OF SELECTED MINERAL COMMODITIES IN 2018^{1,2}
(Thousand metric tons unless otherwise specified)

Country	Metals—Continued									
	Copper—Continued			Gold,		Iron and steel			Lead (metric tons)	
	Metal, refined		Secondary	mine output, Au content (kilograms)	Iron ore, mine output, Fe content	Pig iron and direct-reduced iron	Steel, raw	Mine output, Pb content	Metal, refined	
	Primary ³	Secondary							Primary ³	Secondary
Albania	--	--	--	--	--	--	--	--	--	--
Armenia	--	--	--	5,000 ^e	--	--	--	--	--	--
Austria	--	115	--	--	897	5,269	6,885	--	--	24,000 ^e
Azerbaijan	--	--	--	3,476	--	--	382	--	--	--
Belarus	--	--	--	--	--	--	2,580	--	--	--
Belgium	231	159	--	--	--	4,900	8,020	--	--	129,000
Bosnia and Herzegovina	--	--	--	--	863	664	695	7,400	--	25
Bulgaria	199	25	--	9,544	--	--	666	26,500	102,808	--
Croatia	--	--	--	--	--	--	--	--	--	--
Cyprus	--	--	--	47	--	--	--	--	--	--
Czechia	--	--	--	--	--	4,005	4,966	--	--	45,000
Denmark and Greenland	--	--	--	--	--	--	--	--	--	--
Estonia	--	--	--	--	--	--	--	--	--	7,393
Finland	135	--	--	8,732	--	2,976	4,146	--	--	--
France	--	--	--	--	--	10,530	15,391	--	--	70,000
Georgia	--	--	--	2,900 ^e	--	--	--	--	--	--
Germany	397	275	--	--	--	27,831	42,435	--	101,000	214,000
Greece	--	--	--	2,839	524	--	1,464	9,800	--	--
Hungary	--	--	--	--	--	1,355	1,988	--	--	--
Iceland	--	--	--	--	--	--	--	--	--	--
Ireland	--	--	--	--	--	--	--	16,712	--	15,000
Italy	--	8	--	--	--	4,836	24,475	--	32,900	134,600
Kazakhstan	481	--	--	100,288	11,728	3,174	2,744	86,500	152,767	--
Kosovo	--	--	--	--	--	--	--	11,500	--	--
Kyrgyzstan	--	--	--	27,400	--	--	--	--	--	--
Latvia	--	--	--	--	--	--	--	--	--	--
Lithuania	--	--	--	--	--	--	--	--	--	--
Luxembourg	--	--	--	--	--	--	2,245	--	--	--
Macedonia	--	--	--	--	--	--	265	32,100	--	--
Malta	--	--	--	--	--	--	--	--	--	--
Moldova	--	--	--	--	--	--	503	--	--	--
Montenegro	--	--	--	--	--	--	200	4,427	--	--
Netherlands	--	--	--	--	--	6,150	6,813	--	--	36,000
Norway	21	--	--	--	--	100	575	--	--	--
Poland	424	78	--	2,587	--	4,788	10,336	40,444	40,000	120,000

See footnotes at end of table.

TABLE 3—Continued

EUROPE AND CENTRAL EURASIA: PRODUCTION OF SELECTED MINERAL COMMODITIES IN 2018^{1,2}

(Thousand metric tons unless otherwise specified)

Country	Metals—Continued									
	Copper—Continued			Gold,		Iron and steel				
	Metal, refined		Secondary	mine output, Au content (kilograms)	Iron ore, mine output, Fe content	Pig iron and direct-reduced iron	Steel, raw	Lead (metric tons)		
	Primary ³	Secondary						Mine output, Pb content	Primary ³	Secondary
Portugal	--	--	--	--	--	--	2,215	17,571	--	--
Romania	--	--	--	--	--	2,000	3,624	--	--	15,000
Russia	800	240	--	279,850	56,700	59,697	71,682	220,000	140,000	--
Serbia	66	1	--	--	--	1,593	1,973	3,200	13,000	--
Slovakia	--	--	--	500 ^e	--	4,652	5,225	--	--	--
Slovenia	--	--	--	--	--	--	654	--	--	12,000
Spain	344	80	--	1,992	--	4,521	14,298	21,000 ^e	--	175,000 ^e
Sweden	157	67	--	7,866	22,200	3,172	4,654	64,751	64,751	47,200
Switzerland	--	--	--	--	--	--	1,500	--	--	--
Tajikistan	--	--	--	6,400	--	--	--	44,000	--	--
Turkey	116	10	--	27,100	5,777	10,536	37,312	76,000 ^e	--	58,000 ^e
Turkmenistan	--	--	--	--	--	--	--	--	--	--
Ukraine	--	25	--	--	37,800	20,531	21,060	--	--	29,755
United Kingdom	--	--	--	NA	--	5,646	7,685	100 ^e	186,000	168,000
Uzbekistan	101	--	--	92,716	--	--	680	--	--	--
Regional total	3,472	1,083	--	579,000 ^e	136,489	188,926	310,336	682,000 ^e	833,226	1,300,000 ^e
Share of world total	17.4%	27.1%	--	17.6%	9.2%	14.0%	17.1%	14.7%	17.1%	19.5%
United States	1,070	41	--	226,000	31,300	27,400	86,600	280,000	--	1,170,000
Share of world total	5.4%	1.0%	--	6.9%	2.1%	2.0%	4.8%	6.0%	--	17.5%
World total	20,000	4,000	--	3,290,000	1,480,000	1,350,000	1,810,000	4,640,000	4,870,000	6,670,000

See footnotes at end of table.

TABLE 3—Continued

EUROPE AND CENTRAL EURASIA: PRODUCTION OF SELECTED MINERAL COMMODITIES IN 2018^{1,2}

(Thousand metric tons unless otherwise specified)

Country	Manganese ore, mine output, Mn content	Nickel		Metals—Continued				Tungsten, mine output, W content (metric tons)			
		Mine output, Ni content	Refinery products	Platinum-group metals, mine output, metal content (kilograms)		Silver, mine output, Ag content (metric tons)	Titanium (metric tons) Ilmenite, TiO ₂ content	Metal sponge, Ti content			
				Palladium	Platinum						
Albania	--	4	--	--	--	--	--	--	--	--	--
Armenia	--	--	--	--	--	19	--	--	--	--	--
Austria	--	--	--	--	--	--	--	--	--	--	936
Azerbaijan	--	--	--	--	--	3	--	--	--	--	--
Belarus	--	--	--	--	--	--	--	--	--	--	--
Belgium	--	--	--	--	--	--	--	--	--	--	--
Bosnia and Herzegovina	--	--	--	--	--	--	--	--	--	--	--
Bulgaria	17	--	--	--	--	41	--	--	--	--	--
Croatia	--	--	--	--	--	--	--	--	--	--	--
Cyprus	--	--	--	--	--	(4)	--	--	--	--	--
Czechia	--	--	--	--	--	--	--	--	--	--	--
Denmark and Greenland	--	--	--	--	--	--	--	--	--	--	--
Estonia	--	--	--	--	--	--	--	--	--	--	--
Finland	--	44	50	1,157	1,576	13	--	--	--	--	--
France	--	--	4	--	--	--	--	--	--	--	--
Georgia	200	--	--	--	--	1	--	--	--	--	--
Germany	--	--	--	--	--	--	--	--	--	--	--
Greece	--	18	--	--	--	25	--	--	--	--	--
Hungary	--	--	--	--	--	--	--	--	--	--	--
Iceland	--	--	--	--	--	--	--	--	--	--	--
Ireland	--	--	--	--	--	1	--	--	--	--	--
Italy	--	--	--	--	--	--	--	--	--	--	--
Kazakhstan	273	--	--	--	--	400	15,000 ^e	16,000 ^e	--	--	--
Kosovo	--	5	--	--	--	--	--	--	--	--	--
Kyrgyzstan	--	--	--	--	--	16	--	--	--	--	--
Latvia	--	--	--	--	--	--	--	--	--	--	--
Lithuania	--	--	--	--	--	--	--	--	--	--	--
Luxembourg	--	--	--	--	--	--	--	--	--	--	--
Macedonia	--	--	--	--	--	--	--	--	--	--	--
Malta	--	--	--	--	--	--	--	--	--	--	--
Moldova	--	--	--	--	--	--	--	--	--	--	--
Montenegro	--	--	--	--	--	--	--	--	--	--	--
Netherlands	--	--	--	--	--	--	--	--	--	--	--
Norway	--	(4)	91	--	--	--	590,000 ^e	--	--	--	--
Poland	--	--	--	7 ^e	11 ^e	1,471	--	--	--	--	--

See footnotes at end of table.

TABLE 3—Continued
EUROPE AND CENTRAL EURASIA: PRODUCTION OF SELECTED MINERAL COMMODITIES IN 2018^{1,2}
(Thousand metric tons unless otherwise specified)

Country	Metals—Continued										
	Manganese ore, mine output, Mn content	Nickel		Platinum-group metals, mine output, metal content (kilograms)			Silver, mine output, Ag content (metric tons)	Titanium (metric tons)			Tungsten, mine output, W content (metric tons)
		Mine output, Ni content	Refinery products	Palladium	Platinum			Ilmenite, TiO ₂ content	Metal sponge, Ti content		
Portugal	--	--	--	--	--	--	51	--	--	--	890
Romania	2 ^e	--	--	--	--	--	--	--	--	--	--
Russia	14	272	158	90,000	22,000	--	2,040	3,600	44,200	--	2,234
Serbia	--	--	--	55	5	--	6	--	--	--	--
Slovakia	--	--	--	--	--	--	(4)	--	--	--	--
Slovenia	--	--	--	--	--	--	--	--	--	--	--
Spain	--	--	--	--	--	--	30 ^e	--	--	--	750 ^e
Sweden	--	--	--	--	--	--	471	--	--	--	--
Switzerland	--	--	--	-- ^e	--	--	--	--	--	--	--
Tajikistan	--	--	--	--	--	--	6	--	--	--	--
Turkey	14	17	--	--	--	--	170	--	--	--	--
Turkmenistan	--	--	--	--	--	--	--	--	--	--	--
Ukraine	517	--	--	--	--	--	--	300,000	9,342	--	--
United Kingdom	--	--	25	--	--	--	NA	--	--	--	900 ^e
Uzbekistan	--	--	--	--	--	--	224	--	--	--	--
Regional total	1,040 ^e	360	328	91,219	23,600 ^e	--	4,988	909,000 ^e	69,500 ^e	--	5,710 ^e
Share of world total	4.3%	15.8%	36.0%	41.5%	12.5%	--	18.5%	13.2%	35.8%	--	7.0%
United States	--	18	--	14,300	4,160	--	934	100,000	NA	--	--
Share of world total	--	0.8%	--	6.5%	2.2%	--	3.5%	1.4%	NA	--	--
World total	24,000	2,280	911	220,000	189,000	--	27,000	6,900,000	194,000 ^s	--	82,100

See footnotes at end of table.

TABLE 3—Continued
EUROPE AND CENTRAL EURASIA: PRODUCTION OF SELECTED MINERAL COMMODITIES IN 2018^{1,2}
(Thousand metric tons unless otherwise specified)

Country	Metals—Continued		Industrial minerals							
	Zinc (metric tons)		Cement, hydraulic	Diamond, natural, gemstones and industrial (thousand carats)	Nitrogen, N content of ammonia	Phosphate rock, P ₂ O ₅ content	Potash, K ₂ O equivalent	Salt		
	Mine output, Zn content	Metal, primary and secondary								
Albania	--	--	2,000	--	--	--	--	--		
Armenia	6,500	--	546	--	--	--	--	23		
Austria	--	34,000 ^e	5,200	--	400	--	--	2,270		
Azerbaijan	--	--	3,445	--	--	--	--	4		
Belarus	--	--	4,519	--	1,050	--	7,346	3,347		
Belgium	--	275,000	6,737	--	920	--	--	--		
Bosnia and Herzegovina	10,200	--	995	--	--	--	--	1,186		
Bulgaria	21,700	75,150	2,331	--	300 ^e	--	--	2,100		
Croatia	--	--	2,730	--	384 ^e	--	--	51		
Cyprus	--	--	1,358	--	--	--	--	--		
Czechia	--	--	4,360 ^e	--	180 ^e	--	--	--		
Denmark and Greenland	--	--	3,343	--	--	--	--	--		
Estonia	--	--	527	--	35 ^e	--	--	--		
Finland	85,335	295,029	1,300	--	78 ^e	410 ^e	--	--		
France	--	155,000	17,200 ^e	--	750 ^e	--	--	5,653		
Georgia	--	--	2,092	--	170	--	--	--		
Germany	--	180,000 ^e	33,633	--	2,600	20 ^e	3,200 ^e	14,300 ^e		
Greece	20,300	--	6,580	--	120	--	--	160 ^e		
Hungary	--	--	1,670	--	430 ^e	--	--	--		
Iceland	--	--	--	--	--	--	--	--		
Ireland	131,742	--	2,500 ^e	--	--	--	--	--		
Italy	--	195,000 ^e	19,000 ^e	--	--	--	--	4,121		
Kazakhstan	304,400	317,965	9,913	--	173	325 ^e	--	800		
Kosovo	10,200	--	850 ^e	--	--	--	--	--		
Kyrgyzstan	--	--	1,930	--	--	--	--	2		
Latvia	--	--	1,000	--	--	--	--	--		
Lithuania	--	--	1,151	--	780	--	--	--		
Luxembourg	--	--	1,100 ^e	--	--	--	--	--		
Macedonia	30,374	--	921	--	--	--	--	2 ^e		
Malta	--	--	--	--	--	--	--	--		
Moldova	--	--	1,233	--	--	--	--	--		
Montenegro	21,335	--	--	--	--	--	--	--		
Netherlands	--	268,000	2,690	--	2,400 ^e	--	--	7,000 ^e		
Norway	--	190,570	1,950	--	--	--	--	--		
Poland	43,000	123,000 ^e	18,957	--	2,172	--	--	4,403		

See footnotes at end of table.

TABLE 3—Continued
EUROPE AND CENTRAL EURASIA: PRODUCTION OF SELECTED MINERAL COMMODITIES IN 2018^{1,2}
(Thousand metric tons unless otherwise specified)

Country or territory	Metals—Continued			Industrial minerals						
	Zinc (metric tons)			Cement, hydraulic	Diamond, natural, industrial (thousand carats)	Nitrogen, N content of ammonia	Phosphate rock, P ₂ O ₅ content	Potash, K ₂ O equivalent	Salt	
	Mine output, Zn content	primary and secondary	Metal,							
Portugal	144,983	--	--	--	5,200 ^e	--	--	--	--	6
Romania	--	--	--	--	8,951	-- ^e	--	--	--	2,349
Russia	260,000	254,600	--	163	53,678	43,200	5,777	7,168	--	6,710
Serbia	10,000	--	--	--	2,093	60 ^e	--	--	--	13 ^e
Slovakia	--	--	--	16 ^e	3,913	380 ^e	--	--	--	--
Slovenia	--	--	--	--	680	--	--	--	--	2
Spain	70,000 ^e	505,079	--	--	14,600 ^e	400	--	700 ^e	--	4,200 ^e
Sweden	234,321	--	--	--	3,300 ^e	--	--	--	--	--
Switzerland	--	--	--	--	4,560 ^e	30 ^e	--	--	--	492 ^e
Tajikistan	83,000	--	--	--	3,844	--	--	--	--	37
Turkey	190,000 ^e	--	--	245 ^e	72,544	300 ^e	240 ^e	--	--	6,500 ^e
Turkmenistan	--	--	--	--	3,800	340 ^e	--	24	--	100 ^e
Ukraine	--	--	--	--	9,241	657	--	--	--	2,192
United Kingdom	--	--	--	55	9,197	850 ^e	--	150 ^e	--	4,100 ^e
Uzbekistan	30,000 ^e	90,000 ^e	--	--	8,600 ^e	1,200 ^e	150 ^e	182	--	--
Regional total	1,710,000 ^e	2,960,000 ^e	--	1,200 ^e	368,000 ^e	43,200 ^e	6,920 ^e	18,800 ^e	--	72,100 ^e
Share of world total	13.7%	21.4%	--	13.0%	8.9%	29.4%	9.8%	42.7%	--	25.3%
United States	824,000	116,000	--	366	87,000	12,500 ⁶	7,250	520	--	44,000
Share of world total	6.6%	0.8%	--	4.0%	2.1%	9.3%	10.3%	1.2%	--	15.4%
World total	12,500,000	13,800,000	--	9,250	4,140,000	147,000	70,600	44,000	--	285,000

See footnotes at end of table.

TABLE 3—Continued
EUROPE AND CENTRAL EURASIA: PRODUCTION OF SELECTED MINERAL COMMODITIES IN 2018^{1,2}
(Thousand metric tons unless otherwise specified)

Country	Mineral fuels and related materials					
	Anthracite	Coal Bituminous	Lignite	Natural gas, dry (million cubic meters)	Petroleum, crude (thousand 42-gallon barrels)	Uranium, mine output U content (metric tons)
Albania	--	--	140	78	6,678	--
Armenia	--	--	--	--	--	--
Austria	--	--	--	969	4,867	--
Azerbaijan	--	--	--	19,207	282,170	--
Belarus	--	--	--	211	12,200	--
Belgium	--	--	--	--	--	--
Bosnia and Herzegovina	--	--	6,857	--	--	--
Bulgaria	--	--	30,000	11	178	--
Croatia	--	--	--	1,560	4,355	--
Cyprus	--	--	--	--	--	--
Czechia	--	1,932	39,187	179	796	63
Denmark and Greenland	--	--	--	--	41,697	--
Estonia	--	--	--	--	--	--
Finland	--	--	--	--	--	--
France	--	--	--	20	5,840	--
Georgia	--	138	--	(4)	229	--
Germany	--	2,700 ^{e, 7}	166,258	6,303	15,004	--
Greece	--	--	36,600	8	1,844	--
Hungary	--	2	7,844	2,074	6,000	--
Iceland	--	--	--	--	--	--
Ireland	--	--	--	3,000 ^e	--	--
Italy	--	--	--	5,190	35,460	--
Kazakhstan	--	114,137	6,560	55,500	657,000	21,705
Kosovo	--	--	7,170	--	--	--
Kyrgyzstan	--	275	2,032	27	1,470	--
Latvia	--	--	--	--	--	--
Lithuania	--	--	--	--	340	--
Luxembourg	--	--	--	--	--	--
Macedonia	--	--	4,940	--	--	--
Malta	--	--	--	--	--	--
Moldova	--	--	--	--	--	--
Montenegro	--	--	1,501	--	--	--
Netherlands	--	--	--	35,100	6,690	--
Norway	--	143	--	121,600	553,705	--
Poland	--	51,817	58,571	5,348	7,492	--

See footnotes at end of table.

TABLE 3—Continued
EUROPE AND CENTRAL EURASIA: PRODUCTION OF SELECTED MINERAL COMMODITIES IN 2018^{1,2}
(Thousand metric tons unless otherwise specified)

Country	Mineral fuels and related materials					
	Coal		Natural gas, dry (million cubic meters)	Petroleum, crude (thousand 42-gallon barrels)	Uranium, mine output U content (metric tons)	
	Anthracite	Bituminous				
Portugal	--	--	--	--	--	
Romania	--	--	23,639	10,258	26,400	
Russia	21,989	235,848	80,478	727,932	3,860,000	
Serbia	--	101	37,530	506	6,450	
Slovakia	--	--	1,503	88 ^e	37 ^e	
Slovenia	--	--	3,217	16	2	
Spain	340 ^e	790 ^e	--	13 ^e	900 ^e	
Sweden	--	--	--	--	--	
Switzerland	--	--	--	--	--	
Tajikistan	--	1,842	65	2	175	
Turkey	--	1,621	99,207	428	20,075	
Turkmenistan	--	--	--	62,000 ^e	85,000	
Ukraine	5,809	27,477	4,700 ^e	20,806	16,500	
United Kingdom	284	2,264	--	40,834	359,006	
Uzbekistan	--	20 ^e	2,297	59,842	5,450	
Regional total	28,400 ^e	441,000 ^{e,7}	620,000 ^e	1,180,000 ^e	6,020,000 ^e	
Share of world total	5.9%	9.4%	52.1%	37.3%	19.3%	
United States	1,720 ⁸	252,000 ⁸	51,700 ⁸	30,800 ⁸	4,000,000 ⁸	
Share of world total	0.4%	5.4%	4.3%	1.0%	12.8%	
World total	485,000	4,680,000 ⁷	1,190,000	3,160,000	31,200,000	
					55,800	

^eEstimated. NA Not available. W Withheld to avoid disclosing company propriety data. -- Zero or zero percent.

¹Table includes data available through December 20, 2020. All data are reported unless otherwise noted. World totals, U.S. data, and estimated data are rounded to no more than three significant digits; may not add to totals shown. Percentages are calculated using unrounded data.

²Some of the individual entries in this table may differ from those that appear in individual country production tables elsewhere in this volume owing to the inclusion in this table of data received at a later date.

³Includes undifferentiated (primary and secondary) production for some countries listed.

⁴Less than ½ unit.

⁵Data source: USGS Mineral Commodity Summaries 2020; not the sum of data for individual countries in this yearbook.

⁶Synthetic anhydrous ammonia; excludes coke oven byproduct ammonia.

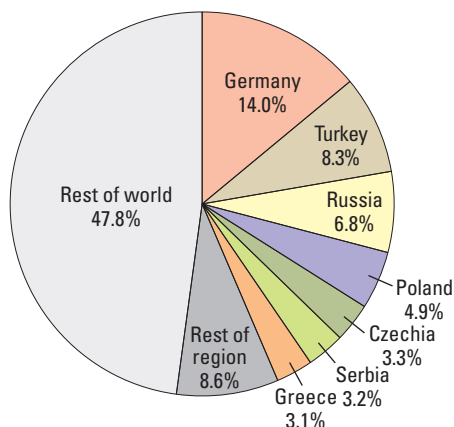
⁷Also contains a small amount of anthracite.

⁸Source: U.S. Energy Information Administration.

⁹Source: World Nuclear Association.

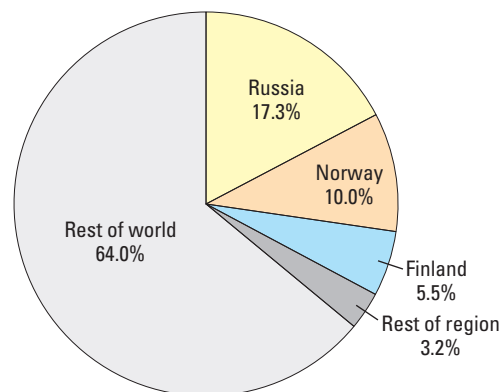
Europe and Central Eurasia region

Coal, lignite



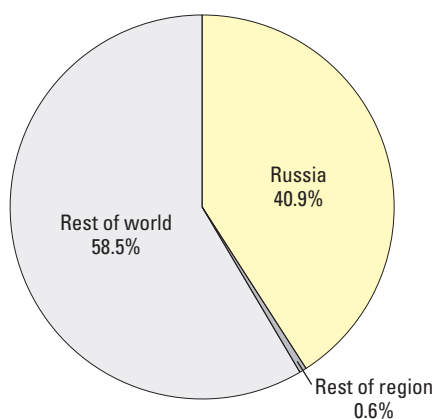
Nickel

(Ni content of refinery products)



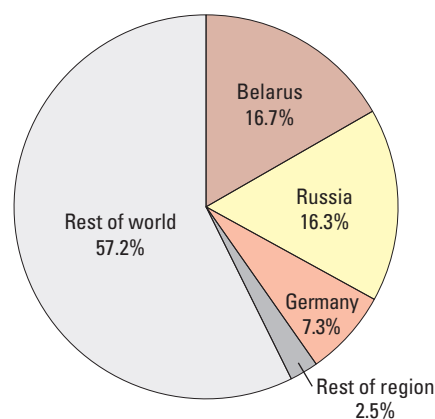
Palladium

(mine output, metal content)



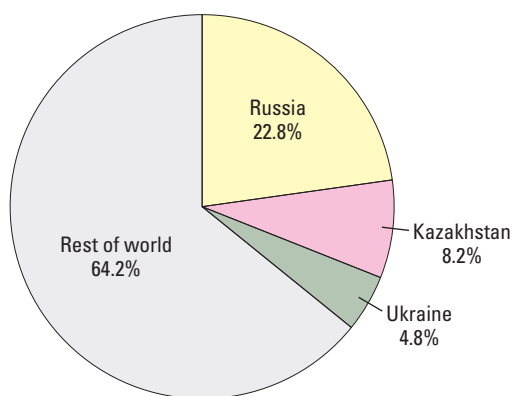
Potash

(mine output, K₂O equivalent)



Titanium

(Ti content of titanium sponge)



Uranium

(U content of mine output)

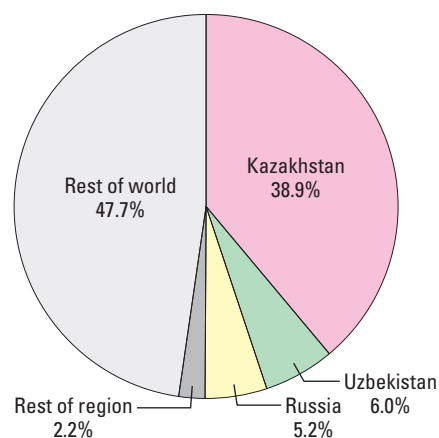


Figure 2. Pie charts showing percentage of world production of selected mineral commodities [coal (lignite), refined nickel, mined palladium, potash, titanium sponge, and uranium] by countries of the Europe and Central Eurasia region in 2018. Individual countries of the region are labeled if they accounted for at least 3% of world production. Data are from table 3; however, percentages may differ slightly from those shown in table 3 because of independent rounding. Also, percentages may differ from those reported in individual country chapters owing to differences in the source or date of reporting.