

World Coke Production

000 tonnes

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	% Ann Change 2007-16
EUROPE											
Austria	1,428	1,360	1,290	1,400	1,350	1,310	1,350	1,330	1,291	1,250	-0.9%
Belgium	2,667	1,983	1,570	1,880	1,867	1,788	1,654	1,260	1,250	1,260	-7.1%
Bosnia-Herzegovina	596	816	714	920	891	694	703	766	751	805	0.7%
Bulgaria	500	300	0	0	0	0	0	0	0	0	
Czech Republic	3,063	3,206	2,172	2,396	2,436	2,317	2,348	2,395	2,200	2,084	-3.7%
Finland	865	860	740	828	852	881	878	783	773	882	0.0%
France	4,374	4,422	3,170	3,110	2,841	3,186	3,331	3,231	3,280	3,200	-3.1%
Germany	8,520	8,260	6,770	8,150	7,990	8,050	8,379	8,740	9,250	9,387	1.8%
Hungary	1,014	999	746	1,018	1,049	1,026	924	923	960	890	-0.5%
Italy	4,632	4,455	2,724	3,708	4,154	3,607	2,080	1,930	1,878	1,988	-10.0%
Netherlands	2,180	2,166	1,700	1,882	1,998	1,860	1,967	2,000	2,020	2,050	-0.2%
Poland	10,264	9,832	6,947	9,546	9,134	8,637	9,104	9,357	9,450	9,400	0.0%
Romania	1,669	1,017	237	0	0	0	0	0	0	0	
Slovakia	1,750	1,735	1,575	1,550	1,555	1,583	1,425	1,458	1,676	1,750	-0.5%
Spain	2,753	2,400	1,691	2,021	2,045	1,761	1,610	1,483	1,594	1,504	-6.2%
Sweden	1,193	1,174	980	1,118	1,151	1,048	1,009	1,037	1,129	1,094	-0.7%
United Kingdom	4,280	4,152	3,600	3,774	3,717	3,487	3,616	3,500	2,668	1,200	-7.0%
TOTAL - EUROPE	51,748	49,136	36,626	43,302	43,031	41,234	40,378	40,194	40,169	38,745	-2.5%
<i>% Change Year-on-Year</i>						-4.2%	-2.1%	-0.5%	-0.1%	-3.5%	
CIS											
Kazakhstan	2,661	2,030	2,383	2,199	2,304	2,184	2,017	2,332	2,300	2,350	-0.5%
Russia	31,985	30,259	26,594	28,473	28,885	28,086	28,040	28,826	28,375	28,628	-0.7%
Ukraine	19,408	18,493	16,402	17,548	18,484	17,865	16,600	13,040	11,131	12,248	-5.1%
TOTAL - CIS	54,054	50,783	45,379	48,220	49,673	48,135	46,657	44,197	41,805	43,226	-2.2%
<i>% Change Year-on-Year</i>						-3.1%	-3.1%	-5.3%	-5.4%	3.4%	
NORTH AMERICA											
Canada	3,051	2,824	2,355	2,867	2,968	2,900	2,540	2,249	2,208	2,081	-3.4%
Mexico	2,036	1,964	1,712	2,085	2,135	2,060	2,099	2,206	1,768	1,381	-1.5%
United States	15,097	14,241	10,483	14,672	14,530	14,269	14,575	13,780	12,773	10,738	-1.5%
TOTAL - NORTH AMERICA	20,184	19,029	14,550	19,624	19,632	19,230	19,214	18,235	16,749	14,200	-1.8%
<i>% Change Year-on-Year</i>						-2.0%	-0.1%	-5.1%	-8.2%	-15.2%	
LATIN AMERICA											
Argentina	957	928	707	1,053	1,107	1,010	1,086	1,044	960	760	0.1%
Brazil	8,615	9,349	7,474	8,967	9,869	10,137	9,246	9,879	9,948	9,525	1.7%
Chile	493	483	420	350	475	470	440	430	421	389	-1.5%
Colombia	1,961	1,515	1,154	1,980	1,567	1,915	1,975	2,150	2,107	2,392	4.3%
TOTAL - LATIN AMERICA	12,026	12,275	9,754	12,350	13,018	13,531	12,747	13,503	13,436	13,066	1.8%
<i>% Change Year-on-Year</i>						3.9%	-5.8%	5.9%	-0.5%	-2.8%	
SUB SAHARAN AFRICA											
South Africa	2,975	2,825	1,886	2,564	2,438	2,234	2,054	2,189	1,952	1,754	-4.6%
Zimbabwe	257	150	84	128	180	170	247	224	140	70	-2.6%
TOTAL - SUB SAHARAN AFRICA	3,232	2,975	1,970	2,691	2,618	2,404	2,301	2,413	2,092	1,824	-4.5%
<i>% Change Year-on-Year</i>						-8.2%	-4.3%	4.9%	-13.3%	-12.8%	
MAGHREB & MIDDLE EAST											
Algeria	558	443	164	0	0	0	0	0	0	0	
Egypt	1,400	1,163	813	670	525	450	100	100	100	100	-27.4%
Iran	920	720	848	930	760	800	600	800	1,100	1,100	2.2%
Turkey	3,156	3,285	3,300	3,720	3,850	4,209	4,486	4,488	4,685	4,380	4.5%
TOTAL - MAGHREB & MIDDLE EAST	6,035	5,611	5,125	5,320	5,135	5,459	5,186	5,388	5,885	5,580	-0.1%
<i>% Change Year-on-Year</i>						6.3%	-5.0%	3.9%	9.2%	-5.2%	
ASIA											
China	335,540	327,000	355,100	384,060	427,790	441,620	473,050	476,910	447,780	449,110	4.1%
India	18,216	18,291	19,211	19,756	20,389	20,699	21,582	22,573	22,267	21,650	2.4%
Indonesia	0	0	0	0	0	0	112	991	1,130	1,147	
Japan	38,354	38,300	37,500	37,500	35,400	34,700	35,200	34,200	32,400	33,159	-1.9%
South Korea	9,949	10,614	9,577	12,835	15,799	14,607	15,572	16,899	17,426	17,528	6.9%
Pakistan	330	370	350	323	250	150	50	50	80	0	-23.0%
Taiwan	4,110	4,010	3,983	4,752	4,859	4,821	6,103	6,277	6,026	6,227	5.8%
Vietnam	144	200	247	384	530	447	465	641	725	1,218	18.7%
TOTAL - ASIA	406,644	398,785	425,967	459,610	505,016	517,044	552,135	558,541	527,834	530,039	3.7%
<i>% Change Year-on-Year</i>						2.4%	6.8%	1.2%	-5.5%	0.4%	
AUSTRALIA											
Australia	3,323	3,161	2,498	3,149	2,982	2,858	2,619	2,474	2,472	2,448	-3.1%
TOTAL - AUSTRALIA	3,323	3,161	2,498	3,149	2,982	2,858	2,619	2,474	2,472	2,448	-3.1%
<i>% Change Year-on-Year</i>						-4.2%	-8.4%	-5.6%	-0.1%	-1.0%	
TOTAL - WORLD	557,246	541,754	541,871	594,266	641,106	649,897	681,237	684,944	650,442	649,128	2.5%
<i>% Change Year-on-Year</i>						1.4%	4.8%	0.5%	-5.0%	-0.2%	

Figures are "output basis", including all size fractions

Source: Resource-Net, using data from industry associations and coke producers

Estimates in italics

08-Apr-17

World Coke Production (cont'd)

Main Developments in 2016

Europe: Probable decline of 3-4% over 2015, many countries remain estimates however. Germany is only major economy to see any increase in coke production in recent years. Long-term production in

CIS: Stable production in Russia in 2016, plus recovery in Ukraine off low base.

North America: Significant declines in Canada, Mexico and the US last year due to closures and lower demand from steel industry. Overall, there was a 15% decline in North American production.

Latin America: Probable fall in Brazilian production due to domestic recession. Exports pushed up Colombia's production. Declines in Argentina and Chile last year.

Sub-Saharan Africa: Lower production in South Africa and Zimbabwe due to obsolete capacity and poor domestic economies.

Maghreb & Middle East: Production in Turkey was lower in 2016 after some years of rises. Production in Egypt and Pakistan remained at minimal level.

Asia: Small increase in Chinese coke production after decline in 2015. India remains an estimate but small decline likely. Japan sees some rise due to completion of battery repairs. Ongoing growth in Korea and Taiwan. Capacity investments in Indonesia and Vietnam lifted coke production.

Australia: Long-term decline in production, atypical of mature economy.

World: "Peak" production almost certainly in 2014, total set to decline from now on. Falls in developed regions such as Europe, North America offset by the rises in Asian economies (outside China and India).

Region	Coke Production 2016, Million tonnes	% Change on 2015	10-Year Rate of Change
Europe	38.8	-3.5%	-2.5%
CIS	43.2	+3.4%	-2.2%
North America	14.2	-15.2%	-1.8%
Latin America	13.1	-2.8%	+1.8%
Sub-Saharan Africa	1.82	-12.8%	-4.5%
Maghreb & Middle East	5.6	-5.2%	-0.1%
Asia	530.0	+0.4%	+3.7%
<i>Asia excl China</i>	80.9	+1.1%	+1.7%
Australia	2.5	-1.0%	-3.1%
Total	649.1	-0.2%	+2.5%
Total excl China	200.0	-1.3%	-0.5%

Source: Resource-Net
April 8, 2017