National Totals for SO_x
Reported until 2.11.2017

Country / SO_x [Gg]	SP1 base year	1980	1990	2000	2010	2011	2012	2013	2014	2015	Emission reduction target SP1 by 1993 (70% of emission level base year)	Compliance with the SP1 (1985)	Exceedance or reduction (%)	SP2 ceiling by 2010	Compliance with the SP2 (1994)	Exceedance or reduction (%)	GP ceiling by 2010 ratified	Compliance with the GP	Exceedance or reduction (%)	Parties with SP1 targets	Parties with SP2 targets	Parties with GP ceilings
Albania	1980	73.5	85.8	34.0	14.6	15.5	16.3	18.3	24.2	22.6	51	Yes	-56%							x		
Armenia		141.0	72.0	8.4	-	-	-	-	31.7	-												
Austria (fuel sold)	1980	343.9	74.6	31.6	16.7	15.6	15.1	14.9	14.8	14.9	241	Yes	-94%	78	Yes	-81%						
Austria (fuel used)**		-	73.7	31.0	16.7	15.5	15.0	14.9	14.7	14.9	241	Yes	-94%	78	Yes	-81%				x	x	
Azerbaijan		-	-	5.1	6.5	6.6	7.0	7.0	7.0	14.1												
Belarus	1980	740.0	637.0	-	58.6	63.2	67.6	51.3	53.4	-	518									x		
Belgium (fuel sold)	1980	828.0	365.2	173.2	60.3	52.9	47.3	44.7	42.4	42.6	580	Yes	-93%	215	Yes	-80%	106	Yes	-60%			
Belgium (fuel used)		-	364.1	173.0	60.2	52.9	47.3	44.6	42.4	42.6	580	Yes	-93%	215	Yes	-80%	106	Yes	-60%	x	x	x
Bosnia & Herzegovina		-	480.0	-	-	-	-	-	-	-												
Bulgaria	1980	2,050.0	1,100.5	862.6	388.8	516.2	330.0	195.8	188.9	142.1	1435	Yes	-90%	1127	Yes	-87%	856	Yes	-83%	x	x	x
Canada (national)	1980	4,643.0	3,061.8	2,396.8	1,367.0	1,283.0	1,266.3	1,252.3	1,202.9	1,048.8	3250	Yes	-68%	3200	Yes	-67%				x	x	
Canada (SOMA-SP2 = PEMA-GP)		3,245.0	1,590.5	1,126.2	468.5	474.8	464.1	463.8	448.3	418.3				1750	Yes	-76%					x	
Croatia		150.0	170.8	59.8	35.5	29.5	25.4	17.1	14.0	15.1				117	Yes	-87%	70	Yes	-78%		x	x
Cyprus		28.0	31.3	48.0	21.9	20.9	16.2	13.8	16.9	13.2				39	Yes	-66%	39	Yes	-66%		x	x
Czech Republic	1980	2,257.0	1,881.0	227.0	160.3	160.4	155.0	139.0	126.8	123.2	1580	Yes	-92%	632	Yes	-81%	283	Yes	-56%	x	x	x
Denmark	1980	451.4	179.2	32.7	15.8	14.5	12.6	13.0	11.3	10.8	316	Yes	-97%	90	Yes	-88%	55	Yes	-80%	x	x	x
Estonia	1980	287.0	272.4	97.1	83.3	72.8	40.6	36.5	40.8	31.8	201	Yes	-84%							x		
Finland	1980	584.0	263.0	80.0	67.0	61.1	51.4	47.4	43.2	42.1	409	Yes	-90%	116	Yes	-64%	116	Yes	-64%	x	x	x
France	1980	3,185.0	1,313.9	630.7	279.7	242.0	227.8	200.4	160.2	152.6	2229	Yes	-93%	737	Yes	-79%	400	Yes	-62%	x	x	x
Georgia		230.2	248.3	3.7	10.6	15.3	13.5	2.3	5.5	5.0												
Germany	1980	7,514.0	5,484.9	644.4	409.3	399.1	381.0	372.8	356.8	351.8	5260	Yes	-93%	990	Yes	-64%	550	Yes	-36%	x	x	x
Greece		400.0	494.2	553.0	219.1	157.7	133.4	119.1	103.5	99.1				570	Yes	-83%					x	
Hungary	1980	1,632.8	824.7	428.3	31.1	34.6	31.8	31.3	27.5	24.1	1143	Yes	-98%	653	Yes	-96%	550	Yes	-96%	x	x	x
Iceland		17.8	20.9	34.6	73.7	73.0	83.7	70.9	64.4	56.3												
Ireland (fuel sold)		222.0	184.4	142.0	28.3	26.7	25.3	25.4	19.4	17.6				155	Yes	-89%						
Ireland (fuel used)		-	185.2	141.6	28.3	26.7	25.3	25.4	19.4	17.6				155	Yes	-89%					x	
Italy	1980	3,460.9	1,783.3	754.8	217.4	195.2	176.9	145.5	130.8	123.1	2423	Yes	-95%	1042	Yes	-88%				x	x	
Kazakhstan		-	2,023.2	884.0	1,945.3	2,141.5	2,495.4	2,200.7	1,767.7	2,091.9												
Kyrgyzstan		-	97.0	26.2	9.3	14.6	15.0	-	17.4	19.4												
Latvia		-	100.5	17.6	4.3	4.3	4.4	3.9	3.9	3.7							107	Yes	-97%			x
Liechtenstein	1980	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	Yes	-93%	0.1	Yes	-80%				x	x	
Lithuania (fuel sold)	1980	311.0	173.3	37.6	22.4	24.2	20.6	18.8	16.9	18.2	218	Yes	-92%	145	Yes	-87%	145	Yes	-87%	x	x	x
Lithuania (fuel used)		-	-	-	-	-	-	-	-	-												
Luxembourg (fuel sold)	1980	24.0	14.8	3.1	1.7	1.3	1.5	1.5	1.5	1.3	17	Yes	-93%	10	Yes	-87%	4.0	Yes	-69%			
Luxembourg (fuel used)		-	14.0	2.7	1.6	1.2	1.4	1.5	1.5	1.2	17	Yes	-93%	10	Yes	-88%	4.0	Yes	-69%	x	x	x
Malta		-	-	24.3	8.1	7.9	7.7	5.0	4.6	3.3												
Moldova, Republic of		308.0	151.5	4.0	9.7	8.9	8.4	10.3	8.8	8.8												
Monaco		-	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.01				0.04	Yes	-82%					x	
Montenegro		-	14.0	13.5	27.8	39.8	-	-	-	-												
Netherlands (fuel sold)	1980	490.0	193.3	73.4	33.9	33.5	33.7	29.5	29.1	30.3	343	Yes	-91%	106	Yes	-71%	50	Yes	-39%			
Netherlands (fuel used)**		-	190.6	72.8	33.8	33.4	33.7	29.5	29.1	30.3	343	Yes	-91%	106	Yes	-71%	50	Yes	-39%	x	x	x
Norway	1980	136.4	52.3	27.2	19.7	18.8	17.3	16.7	16.5	16.3	95	Yes	-83%	34	Yes	-52%	22	Yes	-26%	x	x	x
Poland		4,100.0	2,647.7	1,403.6	866.0	827.5	794.0	759.2	714.6	690.3												
Portugal		266.0	323.8	264.0	70.5	64.5	59.5	54.3	48.2	49.7							170	Yes	-71%			x
Romania		1,055.0	1,311.0	759.0	349.5	320.1	257.7	202.8	175.8	151.9							918	Yes	-83%			x
Russia (European part)	1980	7,323.0	4,671.0	1,997.0	1,274.3	1,252.3	1,177.2	1,139.8	1,121.7	1,120.4	5126	Yes	-78%							x		
Serbia		-	421.7	454.1	404.9	449.6	414.5	434.4	327.3	415.5												
Slovakia	1980	780.0	524.3	131.4	72.8	72.2	61.8	57.0	48.6	71.4	546	Yes	-87%	240	Yes	-70%	110	Yes	-35%	x	x	x
Slovenia		237.1	200.9	93.6	10.1	11.9	10.8	11.6	8.8	5.5				71	Yes	-92%	27	Yes	-80%		x	x
Spain (national territory = SP2)		3,014.0	2,156.7	1,473.3	425.4	461.4	409.3	261.4	257.3	273.3				2143	Yes	-87%					x	
Spain (EMEP territory = GP)		-	2,078.4	1,441.7	404.9	441.7	391.4	246.9	245.4	260.9							774	Yes	-66%			x
Sweden	1980	491.0	105.5	41.8	29.0	26.2	25.2	23.2	20.7	19.2	344	Yes	-94%	100	Yes	-81%	67	Yes	-71%	x	x	x
Switzerland (fuel sold)	1980	112.5	39.7	15.4	10.5	8.7	9.0	8.7	7.9	6.8	79	Yes	-91%	60	Yes	-89%	26	Yes	-74%			
Switzerland (fuel used)	1980	114.0	39.6	15.3	10.5	8.7	8.9	8.7	7.9	6.7	80	Yes	-92%	60	Yes	-89%	26	Yes	-74%	x	x	x
The fYR of Macedonia	1980	67.3	110.0	106.5	91.3	102.0	96.7	83.1	83.6	76.4	47	No	62%	110	Yes	-31%	110	Yes	-31%	x	x	x
Turkey		204.5	1,750.0	2,244.0	2,561.0	2,641.0	2,716.0	1,944.0	2,148.0	1,939.0												
Ukraine	1980	3,849.0	2,783.0	-	1,215.9	1,319.9	1,338.7	1,421.5	922.0	854.0	2694	Yes	-68%							x		
United Kingdom (fuel sold)		-	-	-	-	-	-	-	-	-				896			626					
United Kingdom (fuel used)*		4,782.9	3,685.4	1,220.2	423.6	392.7	439.0	379.5	305.4	236.1				980	Yes	-76%	625	Yes	-62%		x	x
United States (national)		23,501.0	20,935.0	14,830.0	6,951.0	5,791.0	5,789.2	5,787.7	4,293.2	3,384.4												
United States (PEMA-GP)		-	20,874.7	-	6,751.6	5,701.2	-	-	4,231.2	-							16013					x
EU28		-	25,337.1	9,985.6	4,380.1	4,279.4	3,812.7	3,246.2	2,967.6	2,778.7												
EU15 (GP)		-	16,605.7	6,063.7	2,326.0	2,176.8	2,056.5	1,754.5	1,579.2	1,485.1							4059	Yes	-63%			x
EU12 (SP2)		-	16,162.6	5,910.4	2,213.3	2,073.9	1,964.8	1,668.9	1,500.5	1,408.9				9598	Yes	-85%						

		Parties with SP1 red. targets:	25
EU15		Parties with SP2 red. targets:	30
	Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal, Spain, Sweden, UK	Parties with GP ceilings:	26

EU12	Belgium, Denmark, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal, Spain, UK
US PEMA-GP	48 contiguous United States and District of Columbia (indicative ceiling)
Canada SOMA or PEMA	South-east Canada SOMA / PEMA (see Annex III to SP2)
Spain EMEP territory	Excluding Canary Islands and cities Ceuta and Melilla in Africa
SP1	1st Sulphur Protocol (1985)
SP2	2nd Sulphur Protocol (1994)
GP	Gothenburg Protocol (1999)
Fuel used emissions for compliance checking allowed for	Austria, Belgium, Ireland, Lithuania, Luxembourg, Netherlands, Switzerland, UK
*	Reported emissions based on "fuel used" as national total
**	calculated: NT - 1A3 (fuel sold) + 1A3 (fuel used)