

Excerpt from Paper: Time to harmonize national ambient air quality standards for global health equity

Meltem Kutlar Joss 1,2, Marloes Eeftens 1,2, Emily Gintowt 1,2, Ron Kappeler 1,2, Nino Künzli 1,2

Online Resource 1. Existing Ambient Air quality Standards (AAQs) by WHO Regions in countries recognized by the United Nations and current WHO Air Quality Guidelines for classical air pollutants (PM2.5, PM10, O3, NO2, SO2 and CO)

	Particulate matter <2.5 um (PM2.5) µg/m3				Particulate matter < 10 um (PM10) µg/m3			
	PM2.5 24 hours	PM2.5 1 year	PM2.5 other	year set, revised, or published	PM10 24 hours	PM10 1 year	PM10 other	year set, revised, or published
WHO AQGs	25	10		2006	50	20		2006
WHO REGIONS AQGs								
European Region								
EU Directive 2008/50/EC	N/A	25		2008	50	40		2008
<i>Austria</i>	other	25		2015	50	40		2010
<i>Belgium</i>	other	25		!	50	40		!
<i>Bulgaria</i>	N/A	N/A		2011	N/A	N/A		2011
<i>Croatia</i>	other	25		2010/2014	50	40		2010/2014
<i>Cyprus</i>	other	25			50	40		
<i>Czech Republic</i>	other	25			50	40		
<i>Denmark</i>	other	other		2010	50	40		2010
<i>Estonia</i>	other	25			50	40		
<i>Finland</i>	other	25		2011	50	40		2011
<i>France</i>	other	other		2012	50	40		2012
<i>Germany</i>	other	other		2002	50	40		2002
<i>Greece</i>	other	25			50	40		
<i>Hungary</i>	other	25			50	40		
<i>Ireland</i>	other	other		2011	50	40		2011
<i>Italy</i>	other	25		2010	50	40		2010
<i>Latvia</i>	other	25		2007	50	40		2007
<i>Lithuania</i>	other	25		2015	50	40		2005
<i>Luxemburg</i>	other	25		2011	50	40		2011
<i>Malta</i>	other	25		2015	50	40		2015
<i>The Netherlands</i>	other	25		<2006	50	40		<2006
<i>Poland</i>	other	25		2012	50	40		2012
<i>Portugal</i>	other	25			50	40		
<i>Romania</i>	other	25			50	40		
<i>Slovakia</i>	other	25			50	40		
<i>Slovenia</i>	other	25			50	40		
<i>Spain</i>	other	25		2011	50	40		2011
<i>Sweden</i>	other	20		2015	50	40		2010
<i>United Kingdom</i>	other	25	Scotland 12 (1y)	2010	50	40		2010

	Particulate matter <2.5 um (PM2.5) µg/m3				Particulate matter < 10 um (PM10) µg/m3			
	PM2.5 24 hours	PM2.5 1 year	PM2.5 other	year set, revised, or published	PM10 24 hours	PM10 1 year	PM10 other	year set, revised, or published
Albania	other	other		2003	150	50		2003
Andorra	other	25		2009	50	40		2009
Armenia	35	other	Dust MPC 0.15mg/m3 =1y?	2006	60	other	Dust MPC 0.15mg/m3 =1y?	2006
Azerbaijan	other	N/A	TSP 150 MAC 24h	2011	other	N/A	TSP 150 MAC 24h	2011
Belarus	25	15		2010	50	40		2010
Bosnia and Herzegovina	other	other	25 (1y) starting2021	2012	50	40		2012
Georgia	N/A	other	TSP MAC 150 (1y)	2001	N/A	other	TSP MAC 150 (1y)	2001
Iceland	other	other		2010	50	20		2010
Israel	37.5	25		2014	130	50		2014
Kazakhstan	35	N/A		2012	60	N/A		2012
Kyrgyzstan	other	N/A	PM 24h 150	!	other	N/A	PM 24h 150	!
Monaco								
Montenegro	25	20		2015	50	40		2015
Norway	other	15		2007	50	25		2007
Republic of Moldova	N/A	N/A			N/A	N/A		
Russian Federation	35	25	MAC 160	!	60	40	MAC 300	!
San Marino	N/A	N/A		2012	N/A	N/A		2012
Serbia	other	25		2009	50	40		2009
Switzerland	other	other	PM2.5 (1y) under development	2015	50	20		2015
Tajikistan	other	other	TSP MAC 150	2010	other	other	TSP MAC 150	2010
Former Yugoslav Republic of Macedonia	other	other		2011	50	40		2011
Turkey	other	other		2008	100	60		2008
Turkmenistan	other	N/A	TSP 150 (24h) MAC 500	1996	other	N/A	TSP 150 (24h) MAC 500	1996
Ukraine	N/A	other	MAC 150 PM (1y)	2001	N/A	other	MAC 150 PM (1y)	2001
Uzbekistan	other	other		2010	300	50		2010
Region of the Americas								
Antigua and Barbuda	N/A	N/A			N/A	N/A		
Argentina	other	other	en suspension 150 ug/m3 (1 Month)	2013	other	other	en suspension 150 ug/m3 (1 Month)	2013
Bahamas	other	other			50	40		
Barbados	N/A	N/A		2000	N/A	N/A		2000
Belize	N/A	N/A	only emission limits	2003	N/A	N/A		2003
Bolivia (Plurinational State of)	other	other	city region with different AQS	2013	150	50	city region with different values	2013
Brazil	other	other		2013	150	50		2013
Canada	28	10		2015	other	other	city region with different values	2015
Chile	50	20		2013	150	50		2013
Colombia	50	25		2013	150	50		2013
Costa Rica	other	other		2013	150	50		2013
Cuba	N/A	N/A		2013	N/A	N/A		2013
Dominica	N/A	N/A		2013	N/A	N/A		2013
Dominican Republic	65	15		2003	150	50		2003
Ecuador	65	15		2013	150	50		2013
El Salvador	65	15		2013	150	50		2013
Grenada								
Guatemala	N/A	N/A			N/A	N/A		
Guyana	N/A	N/A		2000	N/A	N/A		2000
Haiti	N/A	N/A			N/A	N/A		
Honduras	N/A	N/A			N/A	N/A		

	Particulate matter <2.5 um (PM2.5) µg/m3				Particulate matter < 10 um (PM10) µg/m3			
	PM2.5 24 hours	PM2.5 1 year	PM2.5 other	year set, revised, or published	PM10 24 hours	PM10 1 year	PM10 other	year set, revised, or published
Jamaica	other	other		2013	150	50		2013
Mexico	45	12		2014	75	40		2014
Nicaragua	other	other		2013	150	50		2013
Panama	other	other		2013	150	50		2013
Paraguay	30	15		2015	150	other		2015
Peru	25	other		2013	150	50		2013
Saint Kitts and Nevis	N/A	N/A			N/A	N/A		
Saint Lucia	N/A	N/A		2005	N/A	N/A		2005
Saint Vincent and the Grenadines								
Suriname	N/A	N/A			N/A	N/A		
Trinidad and Tobago	65	15		2014	75	50		2014
United States of America	35	12		2016	150	other	city region with different AQS	2016
Uruguay	N/A	N/A			N/A	N/A		
Venezuela (Bolivarian Republic of)	other	other		2013	150	50		2013
African Region								
Algeria	other	N/A		2006	other	N/A	fine particles in suspension 80ug/m3	2006
Angola	N/A	N/A			N/A	N/A		
Benin	other	other		2001	230	50		2001
Botswana	other	other		2000	200	100	PM=PM10?	2000
Burkina Faso	200	N/A	PM2.5 200-300 24h	2000	200	N/A	PM10 200-300 24h	2000
Burundi	N/A	N/A			N/A	N/A		
Cameroon	25	10			50	20		
Cabo Verde								
Central African Republic	N/A	N/A			N/A	N/A		
Chad	N/A	N/A		2016	N/A	N/A		2016
Comoros								
Congo	N/A	N/A			N/A	N/A		
Côte d'Ivoire	N/A	N/A		2015	N/A	N/A		2015
Democratic Republic of the Congo	N/A	N/A			N/A	N/A		
Equatorial Guinea								
Eritrea	N/A	N/A			N/A	N/A		
Ethiopia	N/A	N/A			N/A	N/A		
Gabon	N/A	N/A			N/A	N/A		
Gambia	other	N/A			50	N/A		
Ghana	other	N/A		2016	70	N/A		2016
Guinea	N/A	N/A			N/A	N/A		
Guinea-Bissau								
Kenya	75	35	s. none defined for residential areas	2014	100	50		2014
Lesotho	N/A	N/A			N/A	N/A		
Liberia	N/A	N/A			N/A	N/A		
Madagascar	N/A	N/A			N/A	N/A		
Malawi	other	8		2005	25	other	500TSP (1y)	2005
Mali	N/A	N/A			N/A	N/A		
Mauritania								
Mauritius	other	other	TSP 150 (24h) 50 (y)	1998	other	other	TSP 150 (24h) 50 (y)	1998
Mozambique	other	N/A		2005	other	N/A	TSP(24h) 200	2005
Namibia	N/A	N/A			N/A	N/A		

	Particulate matter <2.5 um (PM2.5) µg/m3				Particulate matter < 10 um (PM10) µg/m3			
	PM2.5 24 hours	PM2.5 1 year	PM2.5 other	year set, revised, or published	PM10 24 hours	PM10 1 year	PM10 other	year set, revised, or published
Niger								
Nigeria	N/A	N/A			N/A	N/A		
Rwanda	other	other		2014	100	50	TSP 140 (1y) 200(24h)	2014
Sao Tome and Principe								
Senegal	other	other		2003	260	80		2003
Seychelles	N/A	N/A			N/A	N/A		
Sierra Leone								
South Africa	65	25		2009	120	50		2009
South Sudan								
Swaziland	other	N/A		2012	50	N/A		2012
Togo	N/A	N/A			N/A	N/A		
Uganda	N/A	N/A			N/A	N/A		
United Republic of Tanzania	other	other		2007	other	60	0.1 ug/Nm3 (daily)	2007
Zambia	other	N/A		1996	70	N/A		1996
Zimbabwe	N/A	N/A			N/A	N/A		
Eastern Mediterranean Region								
Afghanistan	25	10		2010	50	20		2010
Bahrain								
Djibouti								
Egypt	other	N/A		1994	70	N/A		1994
Iran (Islamic Republic of)	25	10		2011	50	20		2011
Iraq	N/A	N/A			N/A	N/A		
Jordan	65	15		!	120	70	TSP 75 (1y) 260 (24h)	!
Kuwait	35	15		!	150	90		!
Lebanon	other	N/A		!	80	N/A	TSP 120 (24h)	!
Libya								
Morocco	other	N/A		2009	50	N/A		2009
Oman								
Pakistan	35	15	15 (1h)	2010	150	120		2010
Qatar								
Saudi Arabia	35	15		!	340	80		!
Somalia								
Sudan								
Syrian Arab Republic	other	N/A		2011	70	N/A		2011
Tunisia	N/A	N/A		<2009	N/A	N/A	TSP 550 (24h)	<2009
United Arab Emirates								
Yemen								
South-East Asia								
Bangladesh	65	15		2005	150	50		2005
Bhutan	other	other			100	60		
Democratic People's Republic of Korea								
India	60	40		2009	100	60		2009
Indonesia	other	N/A		2010	150	N/A		2010
Maldives	N/A	N/A			N/A	N/A		
Myanmar	N/A	N/A			N/A	N/A		2014
Nepal	other	N/A		2003	120	N/A		2003
Sri Lanka	50	25		2008	100	50		2008

	Particulate matter <2.5 um (PM2.5) µg/m3				Particulate matter < 10 um (PM10) µg/m3			
	PM2.5 24 hours	PM2.5 1 year	PM2.5 other	year set, revised, or published	PM10 24 hours	PM10 1 year	PM10 other	year set, revised, or published
Thailand	50	25		2010	120	50		2010
Timor-Leste	N/A	N/A			N/A	N/A		
Western pacific								
Australia	25	8		2008	50	other		2008
Brunei Darussalam	N/A	N/A			N/A	N/A		
Cambodia	N/A	N/A		2000	N/A	N/A		2000
China	75	35	city region with different values	2014	150	50	city region with different values	2014
Cook Islands								
Fiji	other	other			50	20		
Japan	35	15		!	100	other		!
Kiribati	N/A	N/A			N/A	N/A		
Lao People's Democratic Republic	N/A	N/A			N/A	N/A		
Malaysia	75	35		2015	150	50		2015
Marshall Islands	N/A	N/A			N/A	N/A		
Micronesia (Federated States of)	N/A	N/A			N/A	N/A		
Mongolia	50	25		2007	100	50		2007
Nauru	N/A	N/A			N/A	N/A		
New Zealand	other	N/A		2011	50	N/A		2011
Niue	N/A	N/A			N/A	N/A		
Palau	N/A	N/A			N/A	N/A		
Papua New Guinea	N/A	N/A		2010	N/A	N/A		2010
Philippines	other	other		2014	150	60	TSP 90(Y) TSP 230 (24h)	2014
Republic of Korea	50	25		2013	100	50		2013
Samoa	N/A	N/A			N/A	N/A		
Singapore	25	15	lower targets by 2020	2014	150	other	lower targets by 2020	2014
Solomon Islands	N/A	N/A			N/A	N/A		
Tonga	N/A	N/A		2015	N/A	N/A		2015
Tuvalu	N/A	N/A			N/A	N/A		
Vanuatu (Palestine)								
Viet Nam	50	25		2013	150	50		2013
OTHER								
Gibraltar	N/A	25		2010	50	40		2010
St Helena	N/A	N/A		2012	N/A	N/A		2012
Liechtenstein	other	other		2008	50	20		2008
Taiwan	35	15		2016	125	65		2012

	Ozone (O3) µg/m3				Nitrogen dioxide (NO2) µg/m3				
	O3 1 hour	O3 8-hr daily max	other	year set, revised, or published	NO2 1-h	NO2 24 hours	NO2 1 year	NO2 other	year set, revised, or published
WHO AQGs		100		2006	200		40		2006
WHO REGIONS AQGs									
European Region									
EU Directive 2008/50/EC	N/A	120		2008	200	other	40		2008
<i>Austria</i>	other	other	Target value 8hmax 120	2010	200	other	30	24h target 80	2012
<i>Belgium</i>	other	120		!	200	other	40		!
<i>Bulgaria</i>	N/A	N/A		2011	N/A	N/A	N/A		2011
<i>Croatia</i>	other	120	180 (1h) info threshold	2010/2014	200	other	40	Nox 30	2010/2014
<i>Cyprus</i>	other	120			200	other	40		
<i>Czech Republic</i>	other	120			200	other	40		
<i>Denmark</i>	other	120		2010	200	other	40		2010
<i>Estonia</i>	other	120			200	other	40		
<i>Finland</i>	other	120		2011	200	other	40		2011
<i>France</i>	other	120		2012	200	other	40	Nox 30(Y)	2012
<i>Germany</i>	N/A	N/A		2002	200	other	40	Nox 30 (y)	2002
<i>Greece</i>	other	120			200	other	40		
<i>Hungary</i>	other	120			200	other	40		
<i>Ireland</i>	other	other	0 (1h) information threshold	2011	200	other	40	NOx 30 (1y)	2011
<i>Italy</i>	N/A	N/A		2010	200	other	40	NOx 30 (1y)	2010
<i>Latvia</i>	other	120			200	other	40		
<i>Lithuania</i>	other	120		2010	200	other	40	NOx 30 (1y)	2010
<i>Luxemburg</i>	other	120		2011	200	other	40		2011
<i>Malta</i>	other	120		2015	200	other	40		2015
<i>The Netherlands</i>	other	120		<2006	200	other	40		<2006
<i>Poland</i>	other	other	alert value 120 (8h)	2012	200	other	40		2012
<i>Portugal</i>	other	120			200	other	40		
<i>Romania</i>	other	120			200	other	40		
<i>Slovakia</i>	other	120			200	other	40		
<i>Slovenia</i>	other	120			200	other	40	Nox 30	
<i>Spain</i>	other	120		2011	200	other	40		2011
<i>Sweden</i>	other	120	180 information threshold	2010	90	60	40		2010
<i>United Kingdom</i>	other	100		2010	200	other	40	Nox 30 (y)	2010

	Ozone (O3) µg/m3				Nitrogen dioxide (NO2) µg/m3				
	O3 1 hour	O3 8-hr daily max	other	year set, revised, or published	NO2 1-h	NO2 24 hours	NO2 1 year	NO2 other	year set, revised, or published
Albania	N/A	N/A	65 (1y)	2003	250	other	40	4hmax 95	2003
Andorra	other	120		2009	200	other	40	NOx 30 (annual)	2009
Armenia	N/A	N/A		2006	other	other	other	time 85 (24h?)MPC 40 (1y?)	2006
Azerbaijan	N/A	N/A		2011	other	40	N/A	NOx MAC40	2011
Belarus	other	120		2010	N/A	N/A	N/A		2010
Bosnia and Herzegovina	other	120		2012	200	85	40	Nox 30(1y)	2012
Georgia	N/A	N/A		2001	N/A	N/A	other	MAC 40 (1y)	2001
Iceland	other	120		2003	N/A	N/A	40	NOx 30 (annual)	2002
Israel	other	140		2014	other	200	40		2014
Kazakhstan	N/A	N/A		2012	other	40	N/A		2012
Kyrgyzstan	N/A	other	30 (24h) MAC 160	!	other	40	N/A	MAC 85	!
Monaco									
Montenegro	other	N/A	180 (1h) info threshold	2015	200	other	40		2015
Norway	other	120		2007	200	other	N/A		2007
Republic of Moldova	N/A	N/A			N/A	N/A	N/A		
Russian Federation	other	other	30 24h	!	other	N/A	40	85 (20min)	!
San Marino	N/A	N/A		2012	N/A	N/A	N/A		2012
Serbia	N/A	N/A		2009	150	85	40		2009
Switzerland	120	other		2015	other	80	30		2015
Tajikistan	N/A	N/A		2010	N/A	other	other	MAC 40	2010
Former Yugoslav Republic of Macedonia	other	120		2011	200	other	40		2011
Turkey	N/A	N/A		2008	300	other	N/A		2008
Turkmenistan	N/A	N/A		1996	other	40	other	MAC 85	1996
Ukraine	N/A	N/A		2001	N/A	other	other	MAC40	2001
Uzbekistan	N/A	N/A		2010	other	60	40		2010
Region of the Americas									
Antigua and Barbuda	N/A	N/A			N/A	N/A	N/A		
Argentina	196	other	city region with diff. values	2013	other	other	N/A	0.45 ppm NOx (1h)	2013
Bahamas	200	110			200	N/A	40		
Barbados	N/A	N/A		2000	N/A	N/A	N/A		2000
Belize	N/A	N/A		2003	N/A	N/A	N/A		2003
Bolivia (Plurinational State of)	236	other	city region with diff. values	2013	400	150	N/A	city region with diff. AQS	2013
Brazil	160	other		2013	320	other	100		2013
Canada	N/A	135	city region with diff. values	2015	N/A	N/A	N/A	city region with diff. AQS	2013

	Ozone (O3) µg/m3				Nitrogen dioxide (NO2) µg/m3				
	O3 1 hour	O3 8-hr daily max	other	year set, revised, or published	NO2 1-h	NO2 24 hours	NO2 1 year	NO2 other	year set, revised, or published
Chile	N/A	120		2013	400	other	100		2013
Colombia	120	80		2013	200	150	100		2013
Costa Rica	160	other		2013	400	other	100		2013
Cuba	N/A	N/A		2013	N/A	N/A	N/A		2013
Dominica	N/A	N/A		2013	N/A	N/A	N/A		2013
Dominican Republic	235	160		2003	400	300	100		2003
Ecuador	160	120		2013	other	150	100		2013
El Salvador	235	120		2013	other	150	100		2013
Grenada									
Guatemala	N/A	N/A			N/A	N/A	N/A		
Guyana	N/A	N/A		2000	N/A	N/A	N/A		2000
Haiti	N/A	N/A			N/A	N/A	N/A		
Honduras	N/A	N/A			N/A	N/A	N/A		
Jamaica	235	other		2013	100	other	N/A		2013
Mexico	216	157		2014	395	other	100		2014
Nicaragua	235	160		2013	400	other	100		2013
Panama	235	157		2013	other	150	100		2013
Paraguay	other	120		2015	200	other	40		2015
Peru	other	120		2013	200	other	100		2013
Saint Kitts and Nevis	N/A	N/A			N/A	N/A	N/A		
Saint Lucia	N/A	N/A		2005	N/A	N/A	N/A		2005
Saint Vincent and the Grenadines									
Suriname	N/A	N/A			N/A	N/A	N/A		
Trinidad and Tobago	other	120		2014	200	other	40		2014
United States of America	other	140	city region with diff. AQS	2016	188	other	100	city region with diff. AQS	2016
Uruguay	N/A	N/A			N/A	N/A	N/A		
Venezuela (Bolivarian Republic of)	200	160		2013	367	300	100		2013
African Region									
Algeria	N/A	other	200 (?h)	2006	other	other	N/A	200 (?h)	2006
Angola	N/A	N/A			N/A	N/A	N/A		
Benin	N/A	160	=0.08ppm(8h)	2001	other	150	100		2001
Botswana	235	157		2000	400	200	100		2000
Burkina Faso	150	150	0-200 (1h),150-300 8hmax	2000	170	other	N/A		2000
Burundi	N/A	N/A			N/A	N/A	N/A		

	Ozone (O3) µg/m3				Nitrogen dioxide (NO2) µg/m3				
	O3 1 hour	O3 8-hr daily max	other	year set, revised, or published	NO2 1-h	NO2 24 hours	NO2 1 year	NO2 other	year set, revised, or published
Cameroon	N/A	100			200	N/A	40		
Cabo Verde									
Central African Republic	N/A	N/A			N/A	N/A	N/A		
Chad	N/A	N/A		2016	N/A	N/A	N/A		2016
Comoros									
Congo	N/A	N/A			N/A	N/A	N/A		
Côte d'Ivoire	N/A	N/A		2015	N/A	N/A	N/A		2015
Democratic Republic of the Congo	N/A	N/A			N/A	N/A	N/A		
Equatorial Guinea									
Eritrea	N/A	N/A			N/A	N/A	N/A		
Ethiopia	N/A	N/A			N/A	N/A	N/A		
Gabon	N/A	N/A			N/A	N/A	N/A		
Gambia	N/A	N/A			N/A	N/A	40		
Ghana	N/A	N/A		2016	200	60	N/A		2016
Guinea	N/A	N/A			N/A	N/A	N/A		
Guinea-Bissau									
Kenya	200	120		2014	382	191	95		2014
Lesotho	N/A	N/A			N/A	N/A	N/A		
Liberia	N/A	N/A			N/A	N/A	N/A		
Madagascar	N/A	N/A			N/A	N/A	N/A		
Malawi	260	other	80 (4h)	2005	140	other	60		2005
Mali	N/A	N/A			N/A	N/A	N/A		
Mauritania									
Mauritius	94	other		1998	other	187	N/A		1998
Mozambique	160	other	24h 50 1y 70	2005	400	200	100		2005
Namibia	N/A	N/A			N/A	N/A	N/A		
Niger									
Nigeria	N/A	N/A			N/A	N/A	N/A		
Rwanda	240	other	(8h) 1.25 ppm too high?	2014	380	190	96	150 (1month)	2014
Sao Tome and Principe									
Senegal	other	120		2003	200	other	40		2003
Seychelles	N/A	N/A			N/A	N/A	N/A		
Sierra Leone									
South Africa	other	120		2009	200	other	40		2009

	Ozone (O3) µg/m3				Nitrogen dioxide (NO2) µg/m3				
	O3 1 hour	O3 8-hr daily max	other	year set, revised, or published	NO2 1-h	NO2 24 hours	NO2 1 year	NO2 other	year set, revised, or published
South Sudan									
Swaziland	N/A	N/A		2012	N/A	N/A	40		2012
Togo	N/A	N/A			N/A	N/A	N/A		
Uganda	N/A	N/A			N/A	N/A	N/A		
United Republic of Tanzania	other	120		2007	150	120	other	0.1 ug/m3 annual mean	2007
Zambia	N/A	N/A		1996	400	150	N/A		1996
Zimbabwe	N/A	N/A			N/A	N/A	N/A		
Eastern Mediterranean Region									
Afghanistan	N/A	100		2010	200	other	40		2010
Bahrain									
Djibouti									
Egypt	200	120		1994	400	150	N/A		1994
Iran (Islamic Republic of)	other	100		2011	N/A	N/A	40		2011
Iraq	N/A	N/A			N/A	N/A	N/A		
Jordan	N/A	N/A		!	N/A	N/A	N/A		!
Kuwait	other	100		!	200	other	40		!
Lebanon	150	100		!	200	150	100		!
Libya									
Morocco	N/A	N/A		2009	other	20	50		2009
Oman									
Pakistan	130	other		2010	other	80	40		2010
Qatar									
Saudi Arabia	235	157		!	660	other	100		!
Somalia									
Sudan									
Syrian Arab Republic	N/A	N/A		2011	200	N/A	N/A		2011
Tunisia									
United Arab Emirates									
Yemen									
South-East Asia									
Bangladesh	235	157		2005	N/A	N/A	100		2005
Bhutan	N/A	N/A			N/A	80	60		
Democratic People's Republic of Korea									
India	180	100		2009	other	80	40		2009

	Sulphur dioxide (SO ₂) µg/m ³					
	SO ₂ 10 minutes	SO ₂ 1 hour	SO ₂ 24 hours	SO ₂ 1 year	other	year set, revised, or published
WHO AQGs	500		20			2006
WHO REGIONS AQGs						
European Region						
EU Directive 2008/50/EC	other	350	125	N/A		2008
<i>Austria</i>	other	200	120	N/A	20 (y) winter mean vegetation	2010
<i>Belgium</i>	other	350	125	N/A		!
<i>Bulgaria</i>	N/A	N/A	N/A	N/A		2011
<i>Croatia</i>	other	350	125	other	20 (y) winter mean vegetation	2010/2014
<i>Cyprus</i>	other	350	125	N/A		
<i>Czech Republic</i>	other	350	125	N/A		
<i>Denmark</i>	other	350	125	N/A		2010
<i>Estonia</i>	other	350	125	N/A		
<i>Finland</i>	other	350	125	N/A		2011
<i>France</i>	other	350	125	other	20 (y) winter mean vegetation	2012
<i>Germany</i>	other	350	125	50		2002
<i>Greece</i>	other	350	125	N/A		
<i>Hungary</i>	other	350	125	N/A		
<i>Ireland</i>	other	350	125	N/A		2011
<i>Italy</i>	other	350	125	other	20 (1y) vegetation	2010
<i>Latvia</i>	other	350	125	N/A		
<i>Lithuania</i>	other	350	125	other	20 (1y) vegetation	2005
<i>Luxemburg</i>	other	350	125	N/A		2011
<i>Malta</i>	other	350	125	N/A		2015
<i>The Netherlands</i>	other	350	125	N/A		<2006
<i>Poland</i>	other	350	125	N/A		2012
<i>Portugal</i>	other	350	125	N/A		
<i>Romania</i>	other	350	125	N/A		
<i>Slovakia</i>	other	350	125	N/A		
<i>Slovenia</i>	other	350	125	N/A		
<i>Spain</i>	other	350	125	other	20 winter (1y)	2011
<i>Sweden</i>	other	200	100	20	annual in order to protect vegetation	2010
<i>United Kingdom</i>	other	350	125	other	20 (y) winter mean vegetation	2010

	Sulphur dioxide (SO ₂) µg/m ³					year set, revised, or published
	SO ₂ 10 minutes	SO ₂ 1 hour	SO ₂ 24 hours	SO ₂ 1 year	other	
Albania	N/A	N/A	N/A	50		2003
Andorra	other	350	125	20		2009
Armenia	N/A	N/A	N/A	other	1 time 0.5 mg/m ³ MPC 50 (1y?)	2006
Azerbaijan	N/A	N/A	other	N/A	MAC 50	2011
Belarus	N/A	N/A	N/A	N/A		2010
Bosnia and Herzegovina	other	350	125	50	Winter vegetation protection 20	2012
Georgia						
Iceland	other	350	125	20		2002
Israel	other	350	50	20		2014
Kazakhstan	N/A	N/A	125	N/A		2012
Kyrgyzstan	N/A	N/A	50	N/A	MAC 500	!
Monaco						
Montenegro	other	350	110	N/A		2015
Norway	other	350	125	20		2007
Republic of Moldova	N/A	N/A	N/A	N/A		
Russian Federation	N/A	N/A	50	N/A	500 (20min)	!
San Marino	N/A	N/A	N/A	N/A		2012
Serbia	other	350	125	50	winter 20	2009
Switzerland	N/A	N/A	100	30		2015
Tajikistan	N/A	N/A	other	other	MAC 50	2010
Former Yugoslav Republic of Macedonia	other	350	125	20		2011
Turkey	other	500	250	150		2008
Turkmenistan	N/A	N/A	50	N/A	MAC 500	1996
Ukraine	N/A	N/A	N/A	other	MAC 50	
Uzbekistan	N/A	N/A	200	50		2010
Region of the Americas						
Antigua and Barbuda	N/A	N/A	N/A	N/A		
Argentina	N/A	N/A	N/A	N/A	(1 month), city region with diff. AQS	2013
Bahamas	other	350	125	other	20 (1y) winter	
Barbados	N/A	N/A	N/A	N/A		2000
Belize	N/A	N/A	N/A	N/A		2003
Bolivia (Plurinational State of)	other	80	365	N/A	city region with diff. 10min 24h AQS	2013
Brazil	other	80	365	N/A		2013
Canada	N/A	N/A	N/A	N/A	city region with diff. 10min AQS	2013

	Sulphur dioxide (SO ₂) µg/m ³					year set, revised, or published
	SO ₂ 10 minutes	SO ₂ 1 hour	SO ₂ 24 hours	SO ₂ 1 year	other	
Chile	other	80	250	N/A		2013
Colombia	other	80	250	N/A		2013
Costa Rica	other	80	365	N/A		2013
Cuba	N/A	N/A	N/A	N/A		2013
Dominica	N/A	N/A	N/A	N/A		2013
Dominican Republic	other	450	150	100		2003
Ecuador	other	80	350	N/A		2013
El Salvador	other	80	365	N/A		2013
Grenada						
Guatemala	N/A	N/A	N/A	N/A		
Guyana	N/A	N/A	N/A	N/A		2000
Haiti	N/A	N/A	N/A	N/A		
Honduras	N/A	N/A	N/A	N/A		
Jamaica	other	700	365	80		2013
Mexico	other	524	288	66		2014
Nicaragua	N/A	N/A	365	80		2013
Panama	N/A	other	365	80		2013
Paraguay	N/A	N/A	20	N/A		2015
Peru	N/A	N/A	20	N/A		2013
Saint Kitts and Nevis	N/A	N/A	N/A	N/A		
Saint Lucia	N/A	N/A	N/A	N/A		2005
Saint Vincent and the Grenadines						
Suriname	N/A	N/A	N/A	N/A		
Trinidad and Tobago	500	other	125	50		2014
United States of America	other	196	N/A	N/A), city region with diff. values 1h 24h	2016
Uruguay	N/A	N/A	N/A	N/A		
Venezuela (Bolivarian Republic of)	N/A	N/A	365	80		2013
African Region						
Algeria	N/A	other	other	N/A	350 (?h)	2006
Angola	N/A	N/A	N/A	N/A		
Benin	other	1300	200	80		2001
Botswana	N/A	N/A	300	80	160 (1 month)	2000
Burkina Faso	other	200	N/A	N/A	200-300 1h	2000
Burundi	N/A	N/A	N/A	N/A		

	Sulphur dioxide (SO ₂) µg/m ³					year set, revised, or published
	SO ₂ 10 minutes	SO ₂ 1 hour	SO ₂ 24 hours	SO ₂ 1 year	other	
Cameroon	500	other	20	N/A		
Cabo Verde						
Central African Republic	N/A	N/A	N/A	N/A		
Chad	N/A	N/A	N/A	N/A		2016
Comoros						
Congo	N/A	N/A	N/A	N/A		
Côte d'Ivoire	N/A	N/A	N/A	N/A		2015
Democratic Republic of the Congo	N/A	N/A	N/A	N/A		
Equatorial Guinea						
Eritrea	N/A	N/A	N/A	N/A		
Ethiopia	N/A	N/A	N/A	N/A		
Gabon	N/A	N/A	N/A	N/A		
Gambia	N/A	N/A	125	50		
Ghana	other	100	N/A	80		2016
Guinea	N/A	N/A	N/A	N/A		
Guinea-Bissau						
Kenya	500	other	80	60		2014
Lesotho	N/A	N/A	N/A	N/A		
Liberia	N/A	N/A	N/A	N/A		
Madagascar	N/A	N/A	N/A	N/A		
Malawi	other	230	210	50		2005
Mali	N/A	N/A	N/A	N/A		
Mauritania						
Mauritius	other	325	186	45		1998
Mozambique	other	800	365	80		2005
Namibia	N/A	N/A	N/A	N/A		
Niger						
Nigeria	N/A	N/A	N/A	N/A		
Rwanda	N/A	N/A	N/A	N/A		2014
Sao Tome and Principe						
Senegal	N/A	N/A	125	50		2003
Seychelles	N/A	N/A	N/A	N/A		
Sierra Leone						
South Africa	500	350	125	50		2009

	Sulphur dioxide (SO ₂) µg/m ³					year set, revised, or published
	SO ₂ 10 minutes	SO ₂ 1 hour	SO ₂ 24 hours	SO ₂ 1 year	other	
South Sudan						
Swaziland	N/A	N/A	125	50		2012
Togo	N/A	N/A	N/A	N/A		
Uganda	N/A	N/A	N/A	N/A		
United Republic of Tanzania	500	other	100	40	to 60 (y)	2007
Zambia	500	350	125	other	50 (6 months)	1996
Zimbabwe	N/A	N/A	N/A	N/A		
Eastern Mediterranean Region						
Afghanistan	500	other	20	N/A		2010
Bahrain						
Djibouti						
Egypt	other	350	150	60		1994
Iran (Islamic Republic of)	N/A	N/A	100	20		2011
Iraq	N/A	N/A	N/A	N/A		
Jordan	N/A	N/A	N/A	N/A		!
Kuwait	other	75	20	N/A		!
Lebanon	other	350	120	80		!
Libya						
Morocco	N/A	N/A	125	N/A	20 (y) ecosystem protection	2009
Oman						
Pakistan	N/A	N/A	120	80		2010
Qatar						
Saudi Arabia	other	730	365	80		!
Somalia						
Sudan						
Syrian Arab Republic	other	350	125	N/A		2011
Tunisia						
United Arab Emirates						
Yemen						
South-East Asia						
Bangladesh	N/A	N/A	365	80		2005
Bhutan	N/A	N/A	80	60		
Democratic People's Republic of Korea						
India	N/A	N/A	80	50		2009

	Sulphur dioxide (SO ₂) µg/m ³					year set, revised, or published
	SO ₂ 10 minutes	SO ₂ 1 hour	SO ₂ 24 hours	SO ₂ 1 year	other	
Indonesia	N/A	N/A	365	60		2010
Maldives	N/A	N/A	N/A	N/A		
Myanmar	N/A	N/A	N/A	N/A		2014
Nepal	N/A	N/A	70	50		2003
Sri Lanka	other	200	80	N/A	120 (8 hr)	2008
Thailand	other	780	300	100		2010
Timor-Leste	N/A	N/A	N/A	N/A		
Western pacific						
Australia	other	500	200	50		2008
Brunei Darussalam	N/A	N/A	N/A	N/A		
Cambodia	other	500	300	N/A		2000
China	other	500	150	60	city region with diff. values	2014
Cook Islands						
Fiji	500	other	20	N/A		
Japan	other	262	105	N/A		!
Kiribati	N/A	N/A	N/A	N/A		
Lao People's Democratic Republic	N/A	N/A	N/A	N/A		
Malaysia	other	250	105	N/A		2015
Marshall Islands	N/A	N/A	N/A	N/A		
Micronesia (Federated States of)	N/A	N/A	N/A	N/A		
Mongolia	500	other	20	10	450 (20 mins)	2007
Nauru	N/A	N/A	N/A	N/A		
New Zealand	other	350	120	50		2011
Niue	N/A	N/A	N/A	N/A		
Palau	N/A	N/A	N/A	N/A		
Papua New Guinea	N/A	N/A	N/A	N/A		2010
Philippines	N/A	N/A	180	80		2014
Republic of Korea	other	400	130	50		2013
Samoa	N/A	N/A	N/A	N/A		
Singapore	N/A	N/A	365	80	lower targets by 2020	2014
Solomon Islands	N/A	N/A	N/A	N/A		
Tonga	N/A	N/A	N/A	N/A		2015
Tuvalu	N/A	N/A	N/A	N/A		
Vanuatu (Palestine)						

	Sulphur dioxide (SO ₂) µg/m ³					year set, revised, or published
	SO ₂ 10 minutes	SO ₂ 1 hour	SO ₂ 24 hours	SO ₂ 1 year	other	
Viet Nam	other	350	125	N/A		2013
OTHER						
Gibraltar	other	350	125	N/A		2010
St Helena	N/A	N/A	N/A	N/A		2012
Liechtenstein	N/A	N/A	100	30	100 (1/2h values)	2008
Taiwan	N/A	N/A	266	80		2012

	Carbon Monoxide (CO) mg/m3					year set, revised, or published	Reference No	Comments
	CO 15 min	CO 1 hour	CO 8 hour	CO 24 hours	CO other			
WHO AQGs	100	35	10	7		2010		
WHO REGIONS AQGs								
European Region								
EU Directive 2008/50/EC	N/A	N/A	7	N/A		2008	[1]	
<i>Austria</i>	N/A	N/A	10	N/A		2010	[2]	
<i>Belgium</i>	N/A	N/A	10	N/A		!	[3]	
<i>Bulgaria</i>	N/A	N/A	N/A	N/A		2011	[4] [5]	Clean ambient air act exists, no values defined, values from airlex
<i>Croatia</i>	N/A	N/A	10	N/A		2010/2014	[6] [7]	
<i>Cyprus</i>	N/A	N/A	10	N/A			[1]	
<i>Czech Republic</i>	N/A	N/A	10	N/A			[8]	
<i>Denmark</i>	N/A	N/A	10	N/A		2010	[9]	
<i>Estonia</i>	N/A	N/A	10	N/A			[10]	
<i>Finland</i>	N/A	N/A	10	N/A		2011	[11]	
<i>France</i>	N/A	N/A	10	N/A		2012	[12]	
<i>Germany</i>	N/A	N/A	N/A	N/A		2002	[13]	
<i>Greece</i>	N/A	N/A	10	N/A			[1]	
<i>Hungary</i>	N/A	N/A	10	N/A			[1]	
<i>Ireland</i>	N/A	N/A	10	N/A		2011	[14]	
<i>Italy</i>	N/A	N/A	10	N/A		2010	[15]	
<i>Latvia</i>	N/A	N/A	10	N/A		2007	[16]	
<i>Lithuania</i>	N/A	N/A	10	N/A		2005	[16]	maybe Date is mistaken for when to be met
<i>Luxemburg</i>	N/A	N/A	10	N/A		2011	[17]	
<i>Malta</i>	N/A	N/A	10	N/A		2015	[16]	
<i>The Netherlands</i>	N/A	N/A	10	N/A		<2006	[18]	
<i>Poland</i>	N/A	N/A	10	N/A		2012	[19]	
<i>Portugal</i>	N/A	N/A	10	N/A			[16]	
<i>Romania</i>	N/A	N/A	10	N/A			[16]	
<i>Slovakia</i>	N/A	N/A	10	N/A			[16]	
<i>Slovenia</i>	N/A	N/A	10	N/A			[16]	
<i>Spain</i>	N/A	N/A	10	N/A		2011	[20]	
<i>Sweden</i>	N/A	N/A	10	N/A		2010	[21]	
<i>United Kingdom</i>	N/A	N/A	10	N/A		2010	[22]	region with diff. AQS (scotland)
Albania	N/A	40	10	2		2003	[23] [24] [16]	
Andorra	N/A	40	10	N/A		2009	[25]	
Armenia	other	N/A	N/A	3	?, MPC 3.0 ug/m3 (1y?)	2006	[26] [27]	
Azerbaijan	N/A	N/A	N/A	3	MAC 3	2011	[28] [16]	
Belarus	N/A	N/A	N/A	N/A			[29]	
Bosnia and Herzegovina	N/A	N/A	10	5	3 (1y)	2012	[30]	
Georgia							[31]	
Iceland	100	30	10	N/A		2002	[32] [33]	
Israel	N/A	N/A	N/A	N/A			[34]	
Kazakhstan	N/A	N/A	N/A	N/A			[35]	
Kyrgyzstan	N/A	N/A	N/A	N/A		!	[36] [37]	
Monaco							[16]	unknown
Montenegro	N/A	N/A	10	N/A		2015	[38] [39]	

	Carbon Monoxide (CO) mg/m ³					year set, revised, or published	Reference No	Comments
	CO 15 min	CO 1 hour	CO 8 hour	CO 24 hours	CO other			
Norway	N/A	N/A	10	N/A		2007	[40]	
Republic of Moldova	N/A	N/A	N/A				[16] [41]	
Russian Federation	other	N/A	N/A	3	5 (20 mins)		[42]	
San Marino	N/A	N/A	N/A	N/A		2012	[43]	
Serbia	N/A	N/A	10	5	3 (1 yr)	2009	[44]	
Switzerland	N/A	N/A	N/A	8		2015	[45]	
Tajikistan	N/A	N/A	N/A	N/A		2010	[46] [47] [48]	
Former Yugoslav Republic of Macedonia	N/A	N/A	10	N/A			[49]	
Turkey	N/A	N/A	10	N/A			[50]	
Turkmenistan	N/A	N/A	N/A	N/A		1996	[51] [52]	
Ukraine	N/A	N/A	N/A	N/A	MAC 3		[53] [54]	
Uzbekistan	N/A	N/A	N/A	N/A			[55] [53]	
Region of the Americas								
Antigua and Barbuda	N/A	N/A	N/A	N/A			[56]	
Argentina	N/A	58	12	N/A	city region with diff. values		[57]	
Bahamas	N/A	N/A	N/A	N/A			[7]	
Barbados	N/A	N/A	N/A	N/A		2000	[58] [16]	
Belize	N/A	N/A	N/A	N/A		2003	[59] [16]	
Bolivia (Plurinational State of)	N/A	40	10	N/A	city region with diff. values		[56]	
Brazil	N/A	40	10	N/A			[56]	
Canada	N/A	N/A	N/A	N/A			[60] [61]	
Chile	N/A	30	10	N/A			[56]	
Colombia	N/A	40	10	N/A			[56]	
Costa Rica	N/A	40	10	N/A			[56]	
Cuba	N/A	N/A	N/A	N/A			[56]	
Dominica	N/A	N/A	N/A	N/A			[16] [62]	
Dominican Republic	N/A	40	10	N/A		2003	[63]	
Ecuador	N/A	40	10	N/A			[56]	
El Salvador	N/A	40	10	N/A			[56]	
Grenada							[16]	unclear as of 2005, unknown
Guatemala	N/A	N/A	N/A	N/A			[56]	
Guyana	N/A	N/A	N/A	N/A		2000	[16]	
Haiti	N/A	N/A	N/A	N/A			[56]	
Honduras	N/A	N/A	N/A	N/A			[16] [56]	
Jamaica	N/A	40	10	N/A			[56]	
Mexico	N/A	N/A	N/A	N/A			[64]	
Nicaragua	N/A	40	10	N/A			[56]	
Panama	N/A	30	10	N/A			[56]	
Paraguay	N/A	N/A	10	N/A			[65] [66]	
Peru	N/A	30	10	N/A			[67]	
Saint Kitts and Nevis	N/A	N/A	N/A	N/A			[16]	
Saint Lucia	N/A	N/A	N/A	N/A		2005	[16]	
Saint Vincent and the Grenadines							[16]	unknown
Suriname	N/A	N/A	N/A	N/A			[16]	
Trinidad and Tobago	100	30	10	N/A	60 (30 mins)	2014	[68]	
United States of America	N/A	43	11	N/A			[69] [70]	

	Carbon Monoxide (CO) mg/m3					year set, revised, or published	Reference No	Comments
	CO 15 min	CO 1 hour	CO 8 hour	CO 24 hours	CO other			
Uruguay	N/A	N/A	N/A	N/A			[16] [56]	
Venezuela (Bolivarian Republic of)	N/A	35	10	N/A			[56]	
African Region								
Algeria	N/A	N/A	N/A	N/A		2006	[71]	averaging times not given 24h assumed
Angola	N/A	N/A	N/A	N/A			[16]	
Benin	N/A	40	10	N/A		2001	[7] [72]	Standards have to be promulgated
Botswana	N/A	40	10	N/A		2000	[72] [16]	The emission and AQS setting stipulated in Atmospheric Pollution Prevention A
Burkina Faso	N/A	30	N/A	N/A			[72] [73]	Standards have been adopted
Burundi	N/A	N/A	N/A	N/A			[72] [16]	Standards have not been introduced
Cameroon	100	35	10	7			[72] [16]	Have to be promulgated
Cabo Verde							[16]	unknown
Central African Republic	N/A	N/A	N/A	N/A			[16]	
Chad	N/A	N/A	N/A	N/A		2016	[74]	
Comoros							[16]	unknown
Congo	N/A	N/A	N/A	N/A			[16] [72]	Not yet promulgated as of 2006
Côte d'Ivoire	N/A	N/A	N/A	N/A		20151	[16]	in the process of setting standards
Democratic Republic of the Congo	N/A	N/A	N/A	N/A			[72]	Standards have to be promulgated as of 2006
Equatorial Guinea							[16]	unknown
Eritrea	N/A	N/A	N/A	N/A			[16]	
Ethiopia	N/A	N/A	N/A	N/A			[72]	Do not appear to be promulgated. US EPA standards are used.
Gabon	N/A	N/A	N/A	N/A			[72]	Have not been set
Gambia	N/A	N/A	N/A	N/A			[7]	
Ghana	N/A	N/A	N/A	N/A		2016	[7] [16]	
Guinea	N/A	N/A	N/A	N/A			[72]	Standards have to be promulgated as of 2006
Guinea-Bissau							[16]	unknown
Kenya	N/A	N/A	2	N/A		2014	[75]	Standards are "Ambient Air Quality Tolerance Limits"
Lesotho	N/A	N/A	N/A	N/A			[16]	
Liberia	N/A	N/A	N/A	N/A			[72]	Standards have to be promulgated
Madagascar	N/A	N/A	N/A	N/A			[72]	Standards are not yet promulgated (2006)
Malawi	N/A	40	10	N/A		2005	[76]	
Mali	N/A	N/A	N/A	N/A			[16]	Standards have to be promulgated
Mauritania							[16] [77]	unknown
Mauritius	N/A	23	9	N/A			[72] [78] [77]	Standards were set in 1998 and are under review
Mozambique	N/A	40	10	N/A		2005	[79]	
Namibia	N/A	N/A	N/A	N/A			[16]	
Niger							[16]	unknown
Nigeria	N/A	N/A	N/A	N/A			[72] [80]	no mention on air quality standards but noise found
Rwanda	N/A	4	2	N/A		2014	[16] [7]	
Sao Tome and Principe							[16]	unknown
Senegal	N/A	N/A	N/A	30	0.5 (1 yr)	2003	[81]	
Seychelles	N/A	N/A	N/A	N/A			[16]	
Sierra Leone							[16]	unknown
South Africa	N/A	30	10	N/A		2009	[82] [83]	
South Sudan							[16]	unknown
Swaziland	N/A	N/A	N/A	N/A			[77]	Objectives
Togo	N/A	N/A	N/A	N/A			[72]	AQM is at an initial (very early) stage, Standards are not promulgated

	Carbon Monoxide (CO) mg/m ³					year set, revised, or published	Reference No	Comments
	CO 15 min	CO 1 hour	CO 8 hour	CO 24 hours	CO other			
Uganda	N/A	N/A	N/A	N/A			[16]	2006:Standards developed, in stage of becoming law (enforcement weak)
United Republic of Tanzania	100	30	10	N/A	60 (30 mins)		[84]	
Zambia	100	30	10	N/A	months), 1.0 (12 months)		[85]	
Zimbabwe	N/A	N/A	N/A	N/A			[16]	Standards are not yet promulgated as of 2006
Eastern Mediterranean Region								
Afghanistan	100	35	10	7		2010	[16] [86]	
Bahrain							[16]	unknown
Djibouti							[16]	unknown
Egypt	N/A	30	10	N/A		1994	[87]	
Iran (Islamic Republic of)	N/A	40	10	N/A		2011	[88]	
Iraq	N/A	N/A	N/A	N/A			[89] [16]	
Jordan	N/A	N/A	N/A	N/A			[7]	
Kuwait	N/A	N/A	10	N/A			!	Guideline values
Lebanon	N/A	30	10	N/A			!	
Libya							[72]	UNEP: Standards are not yet promulgated, unknown
Morocco	N/A	N/A	N/A	N/A		2009	[90]	
Oman							[16]	
Pakistan	N/A	10	5	N/A		2010	[91]	effective by 1.1.2013
Qatar						2002	[16]	said to be higher than WHO, no specific data available from UNEP
Saudi Arabia	N/A	40	10	N/A			!	[16] [7]
Somalia							[16]	unknown
Sudan							[16]	there are AQS according to UNEP but unspecified by focal point
Syrian Arab Republic	N/A	N/A	N/A	N/A		2011	[16]	UNEP: Ambient air quality standards has updated in 2011
Tunisia							[16]	
United Arab Emirates							[16]	unknown
Yemen							[16]	unknown
South-East Asia								
Bangladesh	N/A	40	10	N/A		2005	[92]	
Bhutan	N/A	4	2	N/A			[93] [16] [7]	Maximum permissible limits
Democratic People's Republic of Korea								unknown
India	N/A	4	2	N/A		2009	[94]	
Indonesia	N/A	30	N/A	N/A		2010	[95]	
Maldives	N/A	N/A	N/A	N/A			[16]	
Myanmar	N/A	N/A	N/A	N/A		2014	[96]	first steps taken to develop AQS
Nepal	100	N/A	10	N/A		2003	[97]	
Sri Lanka	N/A	30	10	N/A		2008	[98]	
Thailand	N/A	30	9	N/A		2010	[99]	
Timor-Leste	N/A	N/A	N/A	N/A			[16]	
Western pacific								
Australia	N/A	N/A	11	N/A		2008	[100] [101]	
Brunei Darussalam	N/A	N/A	N/A	N/A			[16]	
Cambodia	N/A	40	20	N/A		2000	[102]	
China	N/A	10	N/A	4	ty region with diff. values	2014	[103] [104]	Level II, Hong Kong and Macau with diff. values
Cook Islands							[16]	unknown
Fiji	100	35	10	7			[16]	
Japan	N/A	12.5	25	N/A			!	[105]

	Carbon Monoxide (CO) mg/m ³						Reference No	Comments
	CO 15 min	CO 1 hour	CO 8 hour	CO 24 hours	CO other	year set, revised, or published		
Kiribati	N/A	N/A	N/A	N/A			[16]	
Lao People's Democratic Republic	N/A	N/A	N/A	N/A			[16]	
Malaysia	N/A	35	10	N/A		2015	[106]	
Marshall Islands	N/A	N/A	N/A	N/A			[16]	
Micronesia (Federated States of)	N/A	N/A	N/A	N/A			[16]	
Mongolia	other	30	10	N/A	60 (30 mins)	2007	[107]	
Nauru	N/A	N/A	N/A	N/A			[16]	
New Zealand	N/A	N/A	10	N/A		2011	[108]	
Niue	N/A	N/A	N/A	N/A			[16]	
Palau	N/A	N/A	N/A	N/A			[16]	
Papua New Guinea	N/A	N/A	N/A	N/A		2010	[109]	
Philippines	N/A	35	10	N/A		2014	[110]	
Republic of Korea	N/A	31.25	11.25	N/A		2013	[111]	
Samoa	N/A	N/A	N/A	N/A			[16]	
Singapore	N/A	40	10	N/A	lower targets by 2020	2014	[95] [112]	
Solomon Islands	N/A	N/A	N/A	N/A			[16]	
Tonga	N/A	N/A	N/A	N/A		2015	[16]	
Tuvalu	N/A	N/A	N/A	N/A			[16]	
Vanuatu (Palestine)								unknown
Viet Nam	N/A	30	10	N/A		2013	[113]	
OTHER								
Gibraltar	N/A	N/A	7	N/A		2010	[114]	
St Helena	N/A	N/A	N/A	N/A		2012	[115]	
Liechtenstein	N/A	N/A	10	8		2008	[116]	
Taiwan	N/A	40.8	10.5	N/A		2012	[117]	

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