Supplementary Materials:

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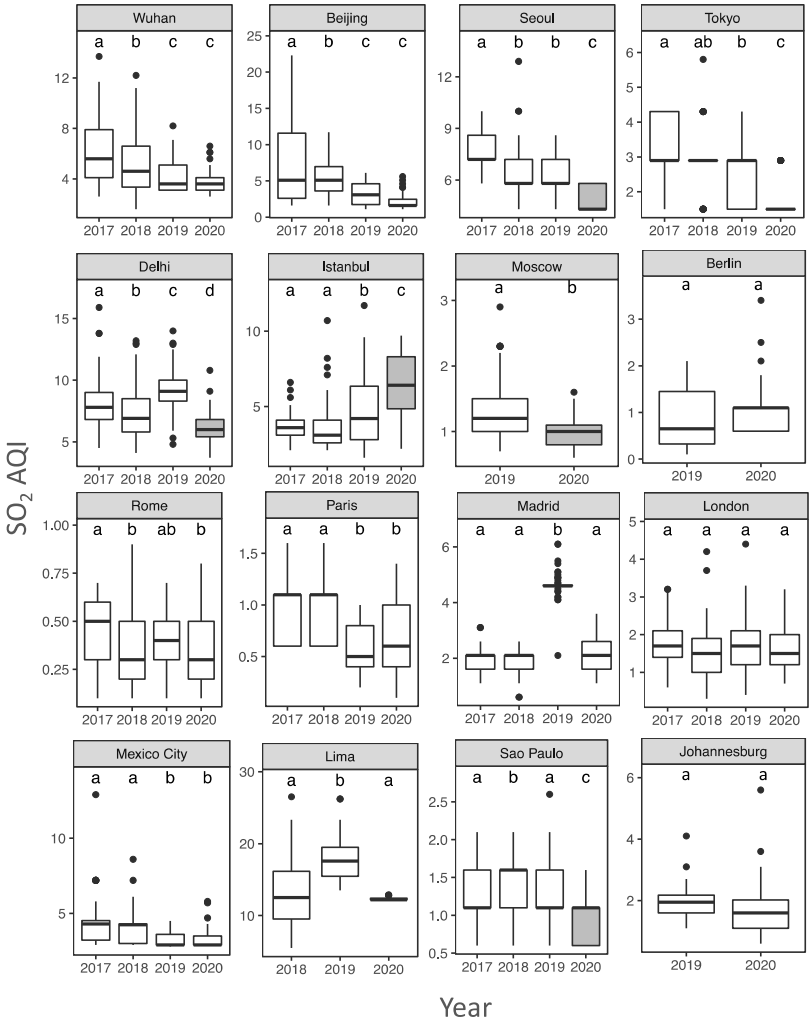
Table S1. Name and number of stations for Meteorological data for 20 selected major cities.

City	Country	Name and number of stations for Meteorological data
Wuhan	**China**	Wuhan, CHM00057494
Beijing	China	Beijing, CHM00054511
Seoul	South Korea	Seoul, KSM00047108
Tokyo	Japan	Tokyo, JA000047662
Delhi	India	New Delhi Palam, IN022023000
Tehran	Iran	Tehran Mehrabad, IR000407540
Istanbul	Turkey	Istanbul Bolge Kartal, TUM00017064
Moscow	Russia	From https://www.wunderground.com
Berlin	Germany	Berlin Tegel, E00121150
Rome	Italy	Roma Ciampino, IT000016239
Paris	France	Paris Le Bourget, FR000007150
Madrid	Spain	Madrid Getafe, SPE00120296
London	U.K.	Heathrow, UKM00003772
New York City	U.S.A,	NY City central park, USW00094728
Los Angeles	U.S.A.	Los Angeles Downtown USC, USW00093134
Mexico City	Mexico	From https://www.wunderground.com
Lima	Peru	Jorge Chavez International, PEM00084628
Sao Paulo	Brazil	Sao Paulo Aeroport, BR00E3-0520
Johannesburg	South Africa	Johannesburg International, SFM00068368
Sydney	Australia	Canterbury Racecourse Aws, ASN00066194

For Moscow, Mexico City and Berlin: data from weather underground website (https://www.wunderground.com)



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Whiskers: non-outlier range; dots: outliers. Years sharing the same letter mean not significantly different ($p>0.05$) The grey box for 2020: the change in 2020 is significant relative to every previous year.

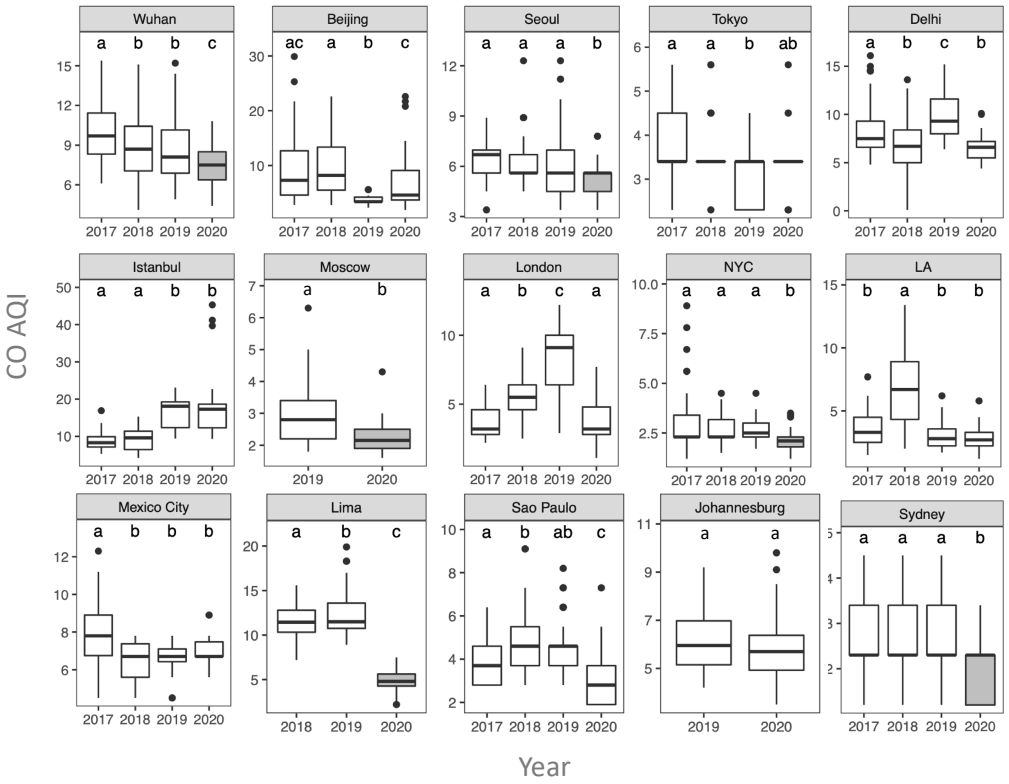

Figure S2. CO AQI in selected worldwide cities during the lockdown period in 2020 compared to the same period of 2017, 2018 and 2019. Line within the box: the median, box: first and third quartiles, whiskers: non-outlier range, dot: outliers. Years sharing the same letter mean not significantly different ($p>0.05$). The grey box for 2020: the change in 2020 is significant relative to every previous year.