

ChinaHighAirPollutants (CHAP)						
Air Pollutant	Main predictor	Spatial resolution	Seamless	Temporal resolution	Available period (yyyy/mm)	Access
PM <sub>1</sub>	MODIS	1 km	Yes	Daily/Monthly/Yearly	2000/01 – 2021/12	Apply/Public
PM <sub>2.5</sub>	MODIS	1 km	Yes	Daily/Monthly/Yearly	2000/01 – 2022/12	Public
	Himawari-8	5 km	No	Hourly	2018/01 – 2018/12	Public
PM <sub>10</sub>	MODIS	1 km	Yes	Daily/Monthly/Yearly	2000/01 – 2022/12	Public
O <sub>3</sub>	Big data	10 km	Yes	Daily/Monthly/Yearly	1979/01 – 2020/12	Public
	MODIS	1 km	Yes	Daily/Monthly/Yearly	2000/01 – 2022/12	Apply
	Himawari-8	1 km	Yes	Hourly	2018/01 – 2018/12	Apply
NO <sub>2</sub>	Big data	10 km / 1km	Yes	Daily/Monthly/Yearly	2019/01 – 2022/12	Public
SO <sub>2</sub>	Big data	10 km / 1km	Yes	Daily/Monthly/Yearly	2013/01 – 2022/12	Public
CO	Big data	10 km / 1km	Yes	Daily/Monthly/Yearly	2013/01 – 2022/12	Public
PM <sub>2.5</sub> chemical composition	Big data	1 km	Yes	Daily/Monthly/Yearly	2000/01 – 2021/12	Apply
Polycyclic aromatic hydrocarbons	Big data	10 km	Yes	Daily/Monthly/Yearly	2013/01 – 2021/12	Apply