A Big Earth Data Platform for Three Poles

**Grid emission data set of air pollutants (SO2, NOx, PM2.5) in Pan-third polar regions (2017)**

1、Description

This dataset covers the 2017 sulfur dioxide, nitrogen oxides, PM2.5 emissions grid list of Pan-third polar regions (South Asia: Nepal, Bhutan, India, Pakistan, Bangladesh, Sri Lanka, Maldives; Central Asia: Turkistan, Kyrgyzstan, Uzbekistan, Tajikistan, Kazakhstan, Afghanistan; Josiah: Iran, Iraq, azerbaijan, Georgia, Armenia, Turkey, Syria, Jordan, Israel, Palestine, Saudi Arabia, yemen, bahrain, Qatar, Oman, united Arab emirates, Kuwait, Lebanon, Cyprus). The emission inventory is derived from the data set publicly available in IIASA network. By using ArcGIS software technology, the emission inventory is processed into a GRID data set of 50km\*50km, whose quality can be guaranteed. The data can be used by modelers to further study climate and air quality in the third polar region.

2、Keywords

Theme：Atmospheric Quality  
Discipline：Atmosphere  
Places：Pan-third polar region  
Time：2017

3、Data details

1.Scale：None

2.Projection：Lambert\_Conformal\_Conic

3.Filesize：1.83MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：63.0 | - |
| west：20.0 | - | east：145.0 |
| - | south：-8.0 | - |

5、Time frame:None--None

6、Reference method

References to data:

WU Qingru. Grid emission data set of air pollutants (SO2, NOx, PM2.5) in Pan-third polar regions (2017). A Big Earth Data Platform for Three Poles, 2021

References to articles:

7、Supporting project information

Pan-Third Pole Environment Study for a Green Silk Road-A CAS Strategic Priority A Program

8、Data resource provider

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