A Big Earth Data Platform for Three Poles

**Respiratory inflammatory index data of native Tibetans on the Tibetan Plateau (2021)**

1、Description

The data set contains respiratory inflammatory indexes collected from four follow-up visits of native Tibetans in Lhasa and Nyingchi, Tibet Autonomous Region. The project carried out four follow-up surveys in Lhasa and Nyingchi from May to June and September to October 2021, and a total of 212 subjects were recruited.
Fractional exhaled nitric oxide (FeNO) is produced by airway cells. Its concentration is highly correlated with the number of inflammatory cells. It is a simple and noninvasive biological index, which can effectively reflect the degree of airway inflammation,. At each visit, about 5 liters of exhaled gas were collected with Teflon air bag, and then the content of nitric oxide (FeNO) in exhaled gas was measured with thermo NOx gas analyzer to characterize the inflammatory level of respiratory system.
The data can be used to evaluate the level of respiratory inflammation of native Tibetans in Tibet, and further analyze the effects of ozone exposure and hypoxia on respiratory inflammation of natives.

2、Keywords

Theme：Population,Environment Pollution and Control
Discipline：Human-nature Relationship
Places：Nyingchi, Lhasa
Time：2021

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.02MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：30.4 | - |
| west：91.06 | - | east：98.47 |
| - | south：26.52 | - |

5、Time frame:2021-05-06 16:00:00+00:00--2021-11-06 16:00:00+00:00

6、Reference method

References to data:

GONG Jicheng . Respiratory inflammatory index data of native Tibetans on the Tibetan Plateau (2021). A Big Earth Data Platform for Three Poles, doi:10.11888/HumanNat.tpdc.2722422022

References to articles:

7、Supporting project information

Second Tibetan Plateau Scientific Expedition Program

8、Data resource provider

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