
Plan Overview

A Data Management Plan created using DMPonline

Title: 中国城市PM2.5和PM10污染现状与趋势——基于多源数据的分析

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Template: DCC Template

Project abstract:

本文使用Echarts和VOSviewer对2013-2023年中国城市PM2.5和PM10的污染现状与趋势进行了分析。通过构建网络模型，揭示了不同城市之间的污染关联性和传播路径。研究发现，PM2.5的污染水平普遍高于PM10，且PM2.5的污染趋势更为严峻。此外，NO₂的污染水平也呈现出一定的上升趋势。本文旨在为城市空气污染治理提供科学依据。

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Data Collection

What data will you collect or create?

From 2018-2023, we will collect 26 variables related to PM2.5, NO₂, and GDP. The data will be collected from the following sources:

How will the data be collected or created?

The data will be collected using the following methods: API, Python, and API. The data will be created using the following methods:

Documentation and Metadata

What documentation and metadata will accompany the data?

The data will be documented using the following methods: JSON, and the following metadata will be provided:

Ethics and Legal Compliance

How will you manage any ethical issues?

The data will be managed using the following methods:

How will you manage copyright and Intellectual Property Rights (IPR) issues?

The data will be managed using the following methods: CC BY, OGD, MIT, and the following IPR issues will be managed:

Storage and Backup

How will the data be stored and backed up during the research?

The data will be stored and backed up using the following methods: NAS, and the following backup methods will be used: Git.

GitLab

How will you manage access and security?

SSL/TLS
AES-256

Selection and Preservation

Which data are of long-term value and should be retained, shared, and/or preserved?

GIS

What is the long-term preservation plan for the dataset?

1
NetCDF
GeoJSON
DOI
3
10

Data Sharing

How will you share the data?

GitHub
Gitee
MIT

Are any restrictions on data sharing required?

Responsibilities and Resources

Who will be responsible for data management?

What resources will you require to deliver your plan?

1 GIS 2 ScienceDB 3 1 4

Planned Research Outputs

Dataset - "□□□□□□□□□□□□□□□□ (2018-2023)"

2018202326

Planned research output details

Title	DOI	Type	Release date	Access level	Repository(ies)	File size	License	Metadata standard(s)	May contain sensitive data?	May contain PII?
██████ ██████ ██████ ██████ ████ (2018-2023)		Dataset	2024-01-01	Open	None specified		Creative Commons Attribution 4.0 International	None specified	No	No