Plan Overview

A Data Management Plan created using DMPonline

Title: Coal Safety Analysis

Creator:□□ □

Data Manager: Siying Zhou

Affiliation: Centre National de la Recherche Scientifique (France)

Funder: Luxembourg National Research Fund (FNR)

Template: Luxembourg National Research Fund Data Management Plan (FNR)

Project abstract:
Coal safety has always been a difficult problem in geological industry, which involves the life safety of workers and the future of enterprises Development, this project will determine the equipment renewal and system by analyzing the data of coal safety accidents Theimprovement of coal accidents will greatly change the incidence of coal accidents, and we will use relevant data collection tools and Chart making tools provide visual analysis to predict the future development direction

ID: 141133

Start date: 01-10-2023

End date: 30-11-2023

Last modified: 02-01-2024

Copyright information:

Coal Safety Analysis

DATA DESCRIPTION AND COLLECTION OR RE-USE OF EXISTING DATA

How will new data be collected or produced and/or how will existing data be reused?

1. Using a data collector to collect data
2. Perform visual analysis on CNKI and create corresponding icons
3. Using Vos for Common Analysis of Keywords
4. Search for relevant articles on CNKI and Baidu, extract relevant data for re summarization and analysis

What data will be collected or produced?

1. Collect the spatial distribution of coal
2. Collect data on coal safety accidents in the past decade

DOCUMENTATION AND DATA QUALITY

What metadata and documentation will accompany the data?

Most of the data we use comes from CNKI. PDF grid available. There are also pictures available. The document is in the form of a PPT

What data quality control measures will be used?

We use manual analysis and data-driven analysis to ensure the accuracy of the data. We also conduct standardized data collection through repeated sampling and mathematical model validation

STORAGE AND BACKUP DURING THE RESEARCH PROCESS

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

Mainly stored through USB flash drives, as well as laptops of relevant personnel
Five members in the group, each with a copy to avoid loss

How will data security and protection of sensitive data be taken care of during the research?

The analysts were assigned to the group for the second time, so there weren't too many people spying, so there wasn't very strict protection in place

LEGAL AND ETHICAL REQUIREMENTS, CODES OF CONDUCT

If personal data are processed, how will compliance with legislation on personal data and security be ensured?

We will protect our data in accordance with relevant laws, and also annotate the data we cite from others to avoid plagiarism or infringement of the rights of data owners

How will other legal issues, such as intellectual property rights and ownership, be managed? What legislation is applicable?

Two other team members are responsible for collecting my own data this time, and I have been authorized to avoid any related disputes

What ethical issues and codes of conduct are there, and how will they be considered?

This project was led by the team leader, who then assigned tasks for processing. Everyone played their respective roles and also shared relevant data

DATA SHARING AND LONG-TERM PRESERVATION

How and when will data be shared? Are there possible restrictions to data sharing or embargo reasons?

Question not answered.

How will data for preservation be selected, and where data will be preserved longterm?

Question not answered.

What methods or software tools are needed to access and use data?

Question not answered.

How will the application of a unique and persistent identifier (DOI) to each data set be ensured?

Question not answered.

DATA MANAGEMENT RESPONSIBILITIES AND RESOURCES

Who will be responsible for data management?

The management of this data is handled by the team leader Han Jingyang

What resources will be dedicated to data management and ensuring that data will be FAIR?

The charts and visualized stages will be used for data management, and everyone can view them, but editing is prohibite