



European Research Council
Executive Agency

Established by the European Commission



European Research Council (ERC)

ERC Data Management Plan

Template



European Research Council
Established by the European Commission

ERC OPEN RESEARCH DATA MANAGEMENT PLAN (DMP)

Project Acronym	Project Number
MoSD Exam	-

Template for the ERC Open Research Data Management Plan (DMP). The following sections should describe how you plan to make the project data Findable, Accessible, Interoperable and Reusable (FAIR). Each of the following five issues should be addressed with a level of detail appropriate to the project.

SUMMARY (dataset¹ reference and name; origin and expected size of the data generated/collected; data types and formats)

Datasets:

- Data on 14-day notification rate of new COVID-19 cases and deaths
<https://www.ecdc.europa.eu/en/publications-data/data-national-14-day-notification-rate-covid-19>
- Data on testing for COVID-19 by week and country
<https://www.ecdc.europa.eu/en/publications-data/covid-19-testing>

Size: originally 18.700 entries, expect 2.5x the data at the end

Datatypes: integer, float, strings

Dataformats: CSV, JSON, XML, XLSX

¹ Several datasets may be included into a single DMP.

ERC OPEN RESEARCH DATA MANAGEMENT PLAN (DMP)

ERC OPEN RESEARCH DATA MANAGEMENT PLAN (DMP)

1. MAKING DATA FINDABLE *(dataset description: metadata, persistent and unique identifiers e.g., DOI)*

Identifier:

No PID or DOI

Description Dataset 1:

This page contains weekly data on 14-day notification rate of new COVID-19 cases and deaths reported by EU/EEA Member States to the European Surveillance System (TESSy).

Description Dataset 2:

As of week 37, 2022, ECDC discontinued collection and publication of the number of subnational COVID-19 cases reported by EU/EEA countries. Hence, the datasets at the links below are restricted to national data.

Subnational counts of cases, test performed and test positivity are available in the archived page (see link below).

The downloadable data file contains information about testing volume for COVID-19 by week and country. Each row contains the corresponding data for a country and a week. The file is updated weekly. You may use the data in line with ECDC's copyright policy.

Source: The figures displayed for weekly testing rate and weekly test positivity are based on multiple data sources. The main source is data submitted by Member States to the European Surveillance System (TESSy), however, when not available, ECDC compiles data from public online sources. EU/EEA Member States report in TESSy all tests performed (i.e. both PCR and antigen tests).

The data displayed from public online sources have been automatically or manually retrieved ('web-scraped') on a daily basis. It should be noted that there are limitations to this type of data including that definitions vary and the data collection process requires constant adaptation to avoid interrupted time series (i.e. due to modification of website pages, types of data).

2. MAKING DATA OPENLY ACCESSIBLE *(which data will be made openly available and if some datasets remain closed, the reasons for not giving access; where the data and associated metadata, documentation and code are deposited (repository?); how the data can be accessed (are relevant software tools/methods provided?)*

ERC OPEN RESEARCH DATA MANAGEMENT PLAN (DMP)

- All data will be published
- Data is openly accessible in the GitHub repository
<https://github.com/JohannesF99/MoSD-Exam>
- All tools used for the analysis part are open source and mentioned in the documentation in the repository

3. MAKING DATA INTEROPERABLE *(which standard or field-specific data and metadata vocabularies and methods will be used)*

- All data is saved as structured data in CSV files
- Metadata is human and machine readable as Markdown or AsciiDoc as well as rendered as PDF
- Plots can be reproduced and saved as PNG image files

4. INCREASE DATA RE-USE *(what data will remain re-usable and for how long, is embargo foreseen; how the data is licensed; data quality assurance procedures)*

ERC OPEN RESEARCH DATA MANAGEMENT PLAN (DMP)

- No embargo foreseen
- Project is MIT licensed
- Data quality assurance will be checked for the source data and kept for the processed data
- Data can be re-used at any given time
- Repository will be public for as long as possible

5. ALLOCATION OF RESOURCES and DATA SECURITY *(estimated costs for making the project data open access and potential value of long-term data preservation; procedures for data backup and recovery; transfer of sensitive data and secure storage in repositories for long term preservation and curation)*

ERC OPEN RESEARCH DATA MANAGEMENT PLAN (DMP)

- estimated costs are zero, because all source data is already hosted/collected somewhere else and GitHub repositories are free
- potential value of long-term data preservation are new analysis and answers to research questions regarding COVID-19 based on the author's performed analysis
- procedures for data backup and recovery are currently not implemented, but maybe a secondary upload to research repositories like Zenodo could make sense
- transfer of sensitive data and secure storage in repositories for long term preservation and curation are also not planned

DISCLAIMER. Please note that the ERC Data Management Plan is not a part of the Ethics Review. It is the responsibility of the Principal Investigator to inform the ERCEA Ethics Team of any ethics issues/concerns regarding the collection, processing, sharing and storage of data in relation to the project.