



Data Management Plan (DMP)

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Data Management Plan (DMP)

Academic Regulations for Doctoral Studies

The Research Plan will include a **Data Management Plan**



- Requirement for PhD students who joined any programme from 2023/2024 and onwards
- It has to be delivered during the first academic year from the first registration

a Data Management Plan (DMP) is...

A methodological document that **describes the life cycle of the data** collected, generated and processed **during a research project, a doctoral thesis, etc.**

DMPs are required by research funding agencies



Data Management Plan

Due date of deliverable: 31/07/2022

Actual submission date: 29/07/2022

Start date of project: 01/02/2022 Duration (36 Months)

Dissemination Level: Public ✓

A DMP contains information about...

- **What data** will be obtained to develop the research (text, numbers, image, audio, video, code, etc.)
- **How data will be...**
 - collected
 - organized
 - processed and analyzed
 - stored during the project
 - preserved when the project is over
 - shared and accessible
 - ready to be reused



Data Management Plan (DMP)

For PhD candidates and researchers a **DMP can be useful as...**



- a scheme to organize the data produced
- a way to document not only the data to be stored but a part of the research process
- a guide on how to reuse data in subsequent projects
- a way to prevent data loss

Data Management Plan (DMP): Template for PhD students



- You can use [eiNa DMP](#): a tool to create your Data Management Plan, developed by CSUC
- **Templates for PhD students are available in**
[English](#); [Catalan](#); [Spanish](#)
- Optional review at the end of the process

Data Management Plan (DMP): Contents

0. General information

General description	<ul style="list-style-type: none">● Of the expected data to manage
Funding Project	<ul style="list-style-type: none">● In case the thesis is related to a research project● Agency and grant number
Sensitive /personal data	<ul style="list-style-type: none">● The DMP of a project must be submitted to the UPC Ethics Committee, for review and approval, when it involves certain ethical issues (for example):<ul style="list-style-type: none">○ Fundamental systems or techniques in artificial intelligence (AI)○ Special categories of personal data (ethnic or racial origin, genetic data, biometric data, data related to health, political)○ Groups of vulnerable people (minors, people with disabilities...) etc.

```
... the SoundManager 2 API ... recommended for use during development and testing ...  
... http://schillmania.com/projects/soundmanager2/ ...  
... this file with gzip for 75% compression ...  
... The SoundManager 2 ... @constructor ...  
... @param {string} smID Optional ...
```

```
... // position to start playback ...  
... // times to repeat the sound ...  
... // callback function for ...  
... // callback function for ...  
... // callback for "pause" ...
```

Data Management Plan (DMP): Contents

Kjetil Korslien

1. Data Collection

Origin and description of data	<ul style="list-style-type: none">● Own data?● From a third party? (specify licenses)
Data type and formats	<ul style="list-style-type: none">● Experimental; simulation, code; etc.● Spreadsheets, text, images, audio, video, etc.● Preferably open formats: csv; txt; ods; etc. to facilitate preservation and re-use (see info on FAIR data)
Data volume expected (at the end of the research)	<ul style="list-style-type: none">● Approximately● Datasets higher than 100 GB are considered large size (special authorization in CORA.RDR)

Data Management Plan (DMP): Contents

Blue Coat Photos

2. Data storage and security

Restrictions that may affect data storage and security	<ul style="list-style-type: none">● Contractual (agreements with third parts)● Ethical (personal data)● Commercial (patents)● Are special security measures needed?
Major data security risks	<ul style="list-style-type: none">● Accidental deletion of data● Loss / theft● Consequences?
Storage of data during the research project	<ul style="list-style-type: none">● Physical storage?; university infrastructure?; commercial cloud?

Data Management Plan (DMP): Contents

3. Data documentation

Name and structure of the files and the folders	<ul style="list-style-type: none">● File and folders naming
Version control	<ul style="list-style-type: none">● Versions management● What versions to keep?
Metadata standards	<ul style="list-style-type: none">● To describe the datasets, if deposited<ul style="list-style-type: none">○ Geospatial; Astronomical; Biological; etc.○ Dublin Core (by default)

Data Management Plan (DMP): Contents

4. Access, share and reuse the data

Restrictions on data sharing	<ul style="list-style-type: none">● General Data Protection Regulations (GDPR)● Ethics● Intellectual property or copyright● Commercial● Security
The potential users of data	<ul style="list-style-type: none">● You and/or other researchers in your RG / Department● Other researchers worldwide?● Industry?
Licenses that you will apply to the data to enable reuse	<ul style="list-style-type: none">● CC: CC-BY, CC-0● Code licenses: GNU, MIT, etc.

Data Management Plan (DMP): Contents

5. Deposit and conservation of the data

Selection for long term conservation. What criteria to select files?	<ul style="list-style-type: none">● Relevance● Data linked to publications● Reusability
For how long the data would have to be preserved?	<ul style="list-style-type: none">● International standards recommend a minimum of 10 years
In which repository?	<ul style="list-style-type: none">● Consider volume of data, format; subject, etc.● Type: Institutional; Multidisciplinary; Specialized; Commercial

Publishing research data



Publishing datasets in open access is not a requirement for doctoral students

You can do it optionally

Where to deposit data?

- Dataverse platform
- Free (gratis)
- Multidisciplinary
- Immediate DOI
- Datasets up to 100GB
- Requires a registration
- Metadata are reviewed by library staff

The screenshot displays the CORA Dataverse website interface. At the top, the logo 'CORA Repositori de Dades de Recerca' is visible alongside navigation links for Home, About, Search, User Guide, Contact, English, and Log In. A search bar with the placeholder 'Search this dataverse...' and an 'Advanced Search' button is present. Below the search bar, a dark teal banner provides key statistics: 33 UNIVERSITIES & CERCA CENTERS, 474 DATASETS, 12,927 FILES, 48,078 DOWNLOADS, and 1 TB STORAGE. The main content area features a row of university logos: UAB (Universitat Autònoma de Barcelona), URV (Universitat Rovira i Virgili), UPF (Universitat Politècnica de Catalunya), Universitat Pompeu Fabra Barcelona, Vall d'Hebron Recerca, and UB (Universitat de Barcelona). Below this, a search results section shows '1 to 10 of 600 Results' and a 'Sort' button. On the left, there are filters for 'Dataverses (126)', 'Datasets (474)', and 'Files (12,927)', along with a 'Publication Year' filter (2023 (113), 2022 (202), 2021 (123), 2020 (8), 2019 (10)) and a 'Subject' filter. The search results list two items: 'MNT-Solar - Grup de Micro i Nano Tecnologies per Energia Solar' (Universitat Politècnica de Catalunya) and 'Dataset la diada de Sant Jordi dels arxius públics de TV3' (Universitat de Barcelona). The second result includes a DOI link and a brief description in English.

Where to deposit data?: Other

- [Find more information about how to publish in other repositories](#)
- [A comparative of repositories](#)



Data Management Plan (DMP) and Open Science at UPC



Ciència Oberta
UPC

2025 Roadmap for UPC Open Science

Governing Council Decision CG/2023/07/08, of 5 July 2023,

BARCELONA
DECLARATION ON
OPEN RESEARCH
INFORMATION

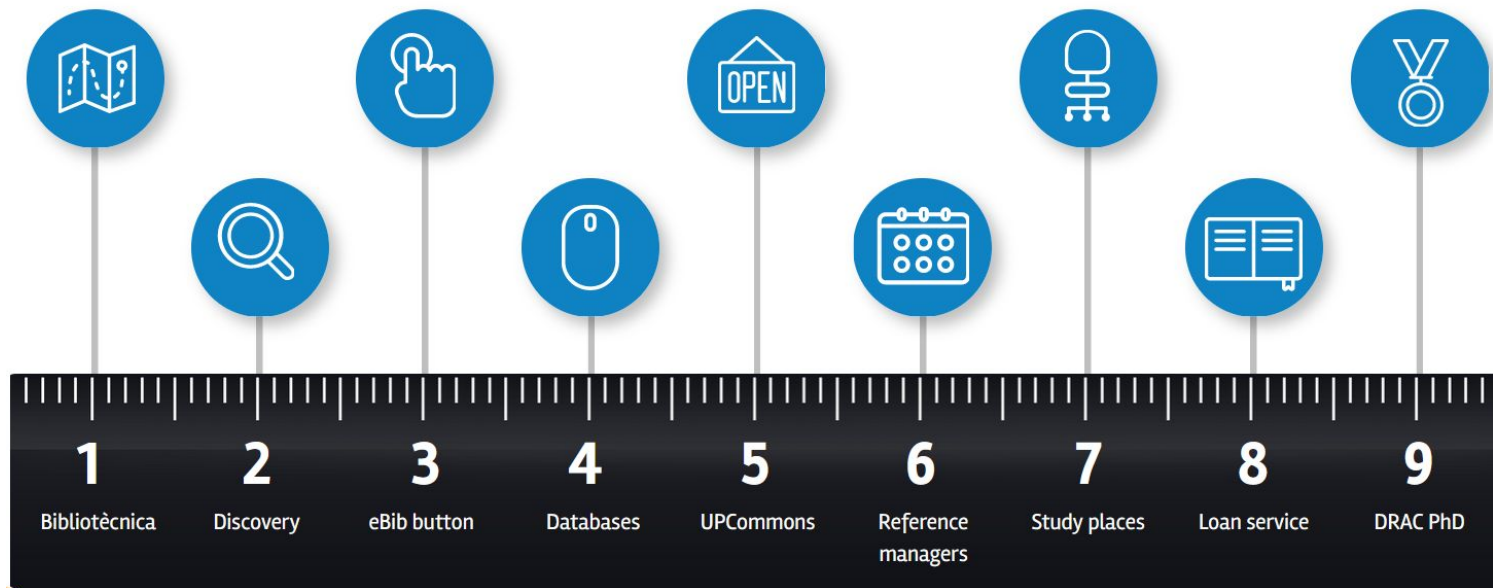
April 16, 2024 | DOI: <https://doi.org/10.5281/zenodo.10958522>

Library resources for PhD students



UNIVERSITAT POLITÈCNICA DE CATALUNYA
BARCELONATECH

Servei de Biblioteques, Publicacions i Arxius



<https://biblioteca.upc.edu/doctorands>

Thanks!

All the information about DMP in Bibliotecnia:

<https://bibliotecnia.upc.edu/en/investigadors/pla-gestio-dades>

Contact us: biblioteca.ferrate@upc.edu
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