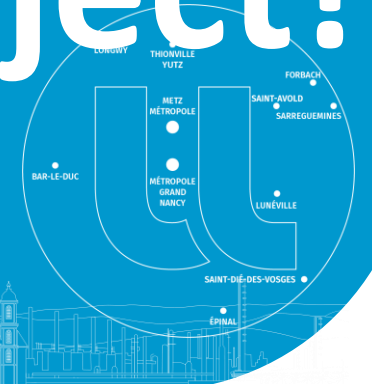


# Good research data management: your best friend all along your project!



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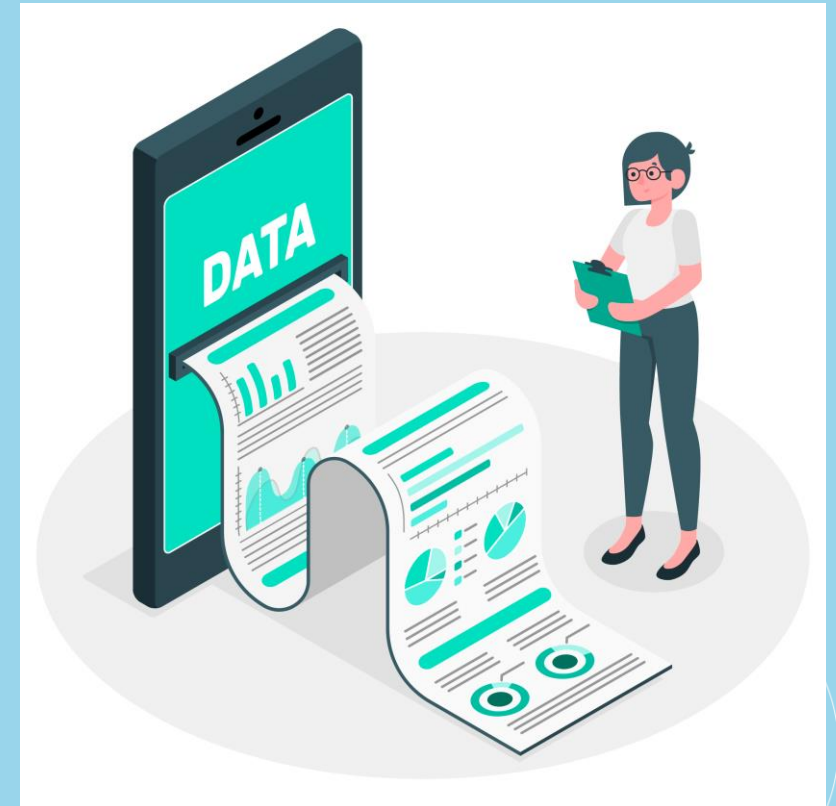
Illustrations: Stories by Freepik



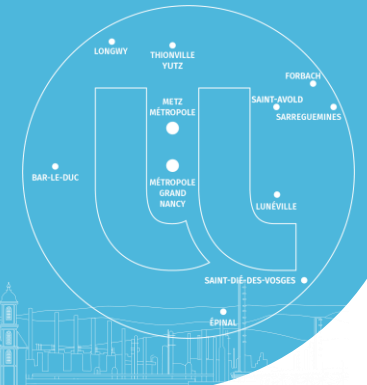
## A short presentation...

Data librarian for the University of Lorraine:

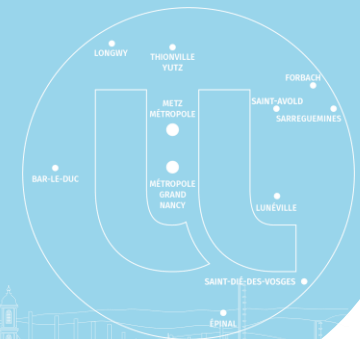
- Helping researchers and PhD students on the subject of data management through training and individual help
- Hosting data management plan workshops
- Reading and improving DMPs for funded and non-funded projects
- Expert for the ERA PerMed consortium
- Among other things...



# What is a DMP?



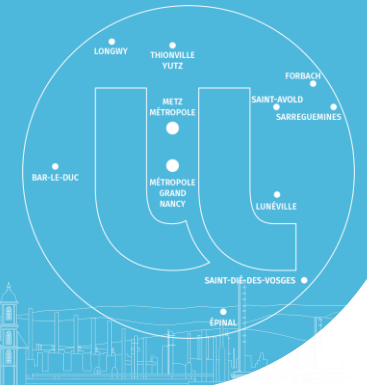
- DMP= data management plan
- Now required for most funded projects, and of course for ERA PerMed calls
- A list of questions regarding all matters involving data:
  - Which data will be reused or produced?
  - What methodology, quality controls, metadata are applied?
  - Where will data be stored and protected during the project?
  - How data will be shared after the project?
  - Who is responsible for data?
  - ...
- The DMP is designed to help you handle all these aspects.





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# How to create a DMP?

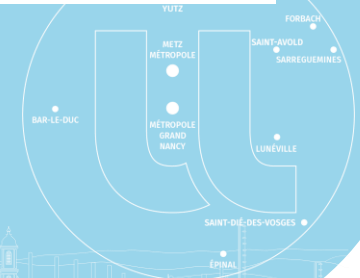
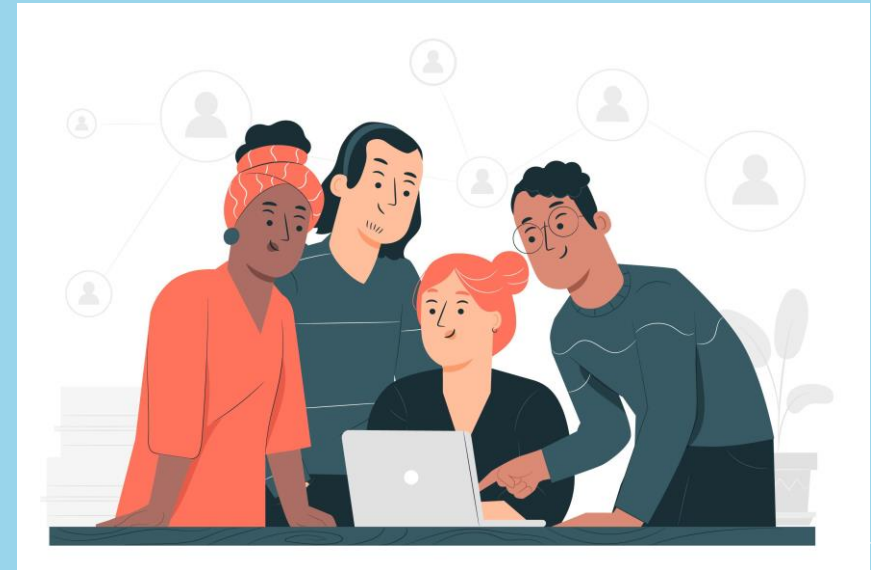


**For ERA PerMed projects, there is a precise template to fill (other funders may use different templates):**

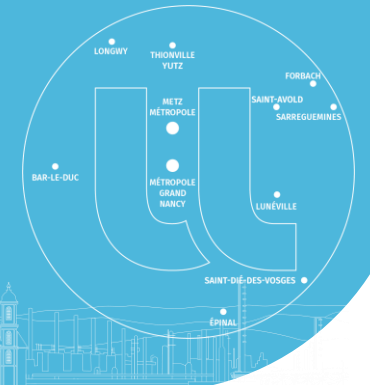
- Description of the data
- Data collection / generation / reuse
- Data management, documentation and curation
- Data security
- Data sharing and access
- Responsibilities
- Relevant policies on data sharing and data security
- Author of the DMP

**A few tips:**

- Work on your DMP as soon as your project begins
- It is really important to think the DMP as a team output
- Don't hesitate to ask librarians for help!



# What does a DMP look like?



## 1. Data description and collection or re-use of existing data

Several experimentations are planned during the SituLearn project to test the effect of the applications we will develop on:

- the teachers' way of designing and conducting a school trip
- the students' way of collaborating and engaging in the activities of the school trip.

We will collect data during these experimentations that will be analyzed and compared in order to validate or invalidate our research hypotheses.

The data will be classified in separate folders on the LIUM internal server.

The users will sign a consent to use their image and data for research purposes. The identity of the users in the tracks and questionnaires will be anonymized.

The data will be of 3 types:

- videos (.mp4) and pictures (.jpg) of the users (teachers and students) while they are using the applications
- usage tracks (xml) produced by the application
- answers to the pre and post questionnaires complete by the users (spreadsheet)

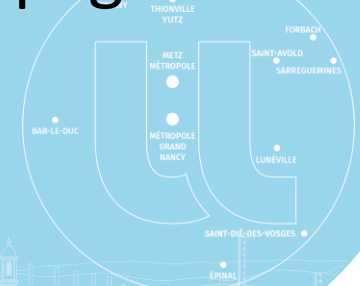
## 2. Documentation and data quality

The data will be classified in separate folders, named with the date of the experimentations.

Each of these folders will also include:

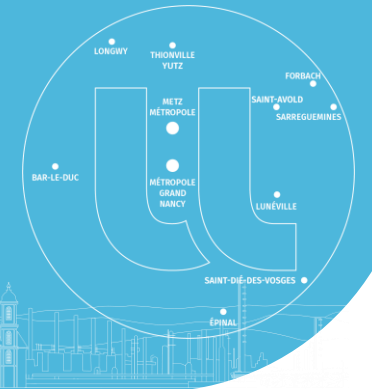
- The experimentation protocol used to collect the data
- The questionnaires given to the uses
- An XML shema with explanations on the meaning of each XML tag

- Questions, depending on the DMP template
- Detailed answers to the questions
- The document isn't necessarily very long! 4 to 8 pages in general





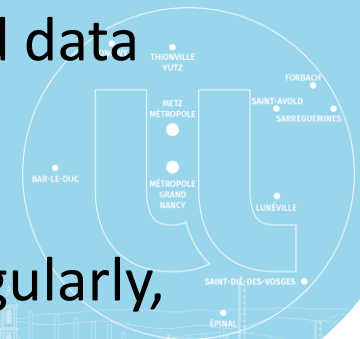
# What are the benefits?



Writing a DMP basically allows you to avoid most of these really tricky problems:

- Having to deal with large quantities of data you don't know where to store
- Having trouble when exchanging data with your partners because you haven't thought of naming conventions
- Being in the impossibility to link your data to your publications because you haven't agreed on data property
- Losing your data at any moment during the project because you don't have a safe storing solution
- Forgetting to collect metadata and being incapable of interpreting old data
- ...

The DMP will address all these issues. And since it has to be updated regularly, you will have reminders in due time!

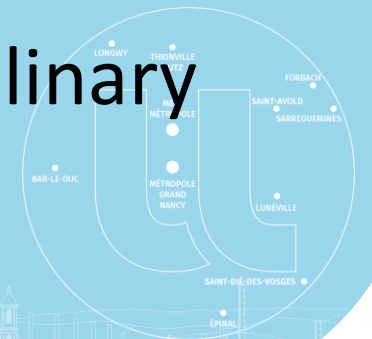


## In short...

DMP is your best friend to avoid problems regarding data.  
You don't need extra difficulty in a research project!

It is a collaborative document. Get in touch with librarians to  
get some help!

The experts who will review your DMP are not disciplinary  
specialists: be clear in your responses!



**Thank you for your attention!**

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