SUCCEEDING IN YOUR PHD

Documentary resources, open science, data management, depositing your thesis... the University of Lille libraries support you every step of the way.



Université de Lille

With the University Libraries, I tick all the boxes:

- ☐ PREPARING MY THESIS P. 4-5
- ☐ PREPARING MY DEFENSE P. 6-7
- ☐ DEPOSITING AND DISSEMINATING MY THESIS, MY PUBLICATIONS, AND MY DATA P. 8-9
- ☐ REFLECTING ON MY POTENTIAL USE OF AI P. 10-11
- ☐ IDENTIFYING MY CONTACTS P. 12-13

The tip not to be missed

I AM CONTINUOUSLY LEARNING

throughout my PhD



I have access to a training programme on Open science, research and the dissemination of information as part of the Doctoral College training scheme.

A total of 5 themes, divided into 13 modules at different levels, 9 of which are offered in English, will enable me to be supported throughout my doctoral studies, on topics ranging from documentary research and data management to the dissemination of results. Some modules are also split into discipline-specific sessions.





Find all the University Libraries' training sessions in the ADUM catalogue and on the website https://scienceouverte.univ-lille.fr/en/open-science-training/doctoral-training-sessions

I PREPARE AND WRITE
my thesis

Take advantage of facilities adapted to PhD students' needs

During my PhD, I can go to the libraries and Learning center, on the 4 main campuses of the University of Lille:



These facilities offer a variety of spaces and services and complement the associated libraries located in the schools, departments or research laboratories on each campus.

Take advantage of research-level collections

In the physical libraries and online, I have access to research-level documentation, in all scientific disciplines.

By consulting the catalogue lillocat.univ-lille.fr or on the University Libraries' website bu.univ-lille.fr, I can search for library resources related to my thesis topic and directly access online resources (by logging in with my university email and password).

To save time and more easily access online resources, I can install two complementary browser extensions that can be installed in just a few clicks: Lean Library and Click & Read.

Take advantage of personalised support

The University Libraries can support me on specific subjects throughout my PhD:

- In person or online via ubib.libanswers.com/lille/, librarians are available to help with searching for library resources or with reference searches, or for any question on library services, facilities, or print or online resources.

- For my thesis, I may need to conduct a systematic review of the literature (or other scholarly sources). scd-revsys@univ-lille.fr
- Can I use an image in my thesis? How can I avoid plagiarism? How do I cite the authors of a work I'm reusing? I have questions about copyright. liluth@univ-lille.fr

- How can I best manage my thesis data, source code, and software to be more efficient, save time, and allow for data sharing with others? bit.ly/lord-support

- I would like to contribute to Open science and disseminate my work, publications, data, source code and software, as widely as possible.. science-ouverte@univ-lille.fr

- I would like to consult the collections of the French National Audiovisual Institute. scd-ina@univ-lille.fr

Doctoral training sessions related to writing

Open Science: general and legal aspects

First steps in Open Science : understanding, discussing, getting involved

Writing and disseminating your thesis

- *How to search for scientific literature in your field and integrate AI into the process*
- *Reusing content created using artificial intelligence*
- *Getting started with Zotero for your thesis: from collecting references to creating a bibliography*

Data, source code, and software

- *Research Data Management and Research Codes: Keys to getting off to a good start*
- *How to manage your research data: best practices and advice*
- *Explore, harmonise, clean and transform your data with OpenRefine*

adum.fr

I PREPARE EVERYTHING
before my defence

Preparatory meeting



As part of the process of defending my thesis, I need to make an appointment with a librarian. This interview is mandatory and must take place 7 to 8 weeks before the defence, even in the case of a thesis defended in a closed session.

This meeting is an opportunity to discuss issues related to the indexing and referencing of my thesis, the procedure for depositing it, and the dissemination options set out in the 'Charter for the dissemination of doctoral theses'.



The doctoral training sessions that can help me prepare for my defence:

<u>Writing and disseminating your thesis</u>

- *Depositing and disseminating your thesis in the context of open science*

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I DEPOSIT AND DISSEMINATE

my thesis, and more

The deposit of my thesis

Depositing my thesis is a legal requirement for the award of my degree. I must deposit the final version of my thesis within 3 months of the defence. This period allows me to make any corrections requested by members of the jury during the defence.

I deposit my thesis directly via my ADUM account ('Procedures' area). I deposit my thesis file and the dissemination authorisation.

Disseminating my thesis online

Dissemination of theses within the French higher education community is mandatory, unless the content of the thesis justifies an exception for confidentiality. I can choose to go beyond this dissemination to the university community and open my thesis on the internet, immediately or after an embargo period that I define.

My thesis will then be visible on various websites:

Theses in open access :

Pépite · sudoc · theses.fr · HAL theses

Sharing publications and data linked to my thesis

To promote my work and give greater visibility to my scientific output, **I can disseminate my articles, posters and communications via an open archive such as HAL**.

For the purposes of visibility, scientific integrity and reproducibility, **I can also share the data associated with my thesis on Lillodata** (or on a disciplinary data repository), **or archive my source code on Software Heritage**. To do this, I have the support of the Lille Open Research Data (LORD) data management cluster.

LillOA
lilloa.hal.science

Lille
Open
Research
Data

Doctoral training sessions on depositing and disseminating

Publishing and disseminating your work

- *Publishing and sharing scientific work with integrity: issues and best practices in the age of AI*
- *Scientific publications and open access: rights, issues, and disciplinary specificities*

Improving your research visibility

- *Improving scientific visibility: ORCID, networks and digital identity*
- *Analysing, measuring and characterising scientific output: Why? How?*

Data, source code, and software

- *Gitlab, HAL, Software Heritage: how to promote and preserve your source code and software?*

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REFLECTING ON MY PRACTICES IN THE AGE OF AI

Artificial intelligence, particularly generative AI, is transforming research practices: from literature reviews to the writing and dissemination of scientific work. Its use, benefits and limitations must be questioned individually and collectively.

Research practices affected by AI



Artificial intelligence can be used at several stages of the research process:

- **Literature review**: understanding the possibilities and limitations of AI tools for exploring a topic, identifying avenues of inquiry or searching the scientific literature.
- **Code generation or automation of research processes:** identifying issues relating to the reproducibility and reliability of results.
- **Information analysis**: examining content, comparing results and assessing their reliability, while taking into account the limitations of the tools.
- **Scientific writing and publication**: examining the author's responsibility, transparency and the requirements of scientific integrity.

Taking training courses to make enlightened choices



Understanding how AI works, as well as its possibilities and limitations, enables you to determine the role you wish – or do not wish – to assign to it in your research practices.

The training courses on offer provide an opportunity to explore these issues in greater depth. The European Code of Conduct for Research Integrity, published by ALLEA, sets out a number of simple principles regarding the transparency required in relation to AI.

Training courses that focus specifically on AI:

- *How to search for scientific literature in my field and integrate AI into the process*
- *Reusing content created using artificial intelligence*
- *Publishing and sharing scientific work with integrity: issues and best practices in the age of AI*

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I HAVE THE RIGHT CONTACTS

and the right resources

Systematic reviews
scd-revsys@univ-lille.fr
Open science
science-ouverte@univ-lille.fr
Data
Lille Open Research Data - LORD
bit.ly/lord-support
Online library materials
docelec@univ-lille.fr
Deposit and dissemination of the thesis

- EG SJPG budroit-theses@univ-lille.fr
- EG BSL-campus santé busante-theses@univ-lille.fr
- EG SHS bushs-theses@univ-lille.fr
- EG MADIS, EG SESAM, EG SMRE, EG ENGSYS, EG BSL-campus FST lilliad-theses@univ-lille.fr

All other subjects: chercheurs-scd@univ-lille.fr

Online resources



The **Passport for Open science collection**
https://www.ouvrirlascience.fr/passport-for-open-science/

The **websites** of the University of Lille libraries and Learning center



bu.univ-lille.fr



scienceouverte.univ-lille.fr/en



lord.univ-lille.fr/en

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