

# Conducting a research project

Length:	3 days
Venue:	Your facilities/Online
Calendar:	TBA
Group size:	5 to 15 persons
Target audience:	Ph.D. students (1 <sup>st</sup> year priority)
Trainers:	Marine Pansu, Aneline Dolet, Georges Pillegand-Le Rider,

The PhD is a research project; doctoral students are often faced with complex situations. They must:

- Inscribe the project(s) in time
- Evaluate the right perspective on project management
- Manage a feasible workload
- Aggregate data from all projects into a manageable set of information
- Keep control

The thesis is often the first major project that doctoral students manage independently.

This training in project management applied to the thesis allows the student to understand the project management approach by applying it directly to the thesis project and taking into account its specificities.

It prepares doctoral students to manage their project over the entire thesis period, and thus to put in place the relevant tools for their future research projects.

## Overall pedagogical objective

Apply project management techniques to a research project

## Specific pedagogical objectives

- Know the different concepts of project management (predictive and agile) and their practical tools
- Initialize a project with a feasibility study
- To know how to estimate the risks before the launch of the project to anticipate them
- Plan your project in a project charter (including budget and tools)
- Plan your thesis project
- Know how to manage the progress of your thesis project (including risks)
- Identify and mobilize relevant actors

## Teaching method

We offer a participative training approach that allows everyone to express themselves and share their ideas.

## Programme

- **Assessment of project/time management during the thesis**

These assessments (collective and individual) allow the identification of good practices and shortcomings in the initial management of the thesis project by the doctoral students. They also encourage exchange and mutual support between doctoral students.

This makes it possible to adapt the training to the specific needs of the doctoral students.

- **Project Management - From Theory to Application**

Presentation of the different conceptions of project management (agile and predictive) with synthesis and exchanges. This presentation allows to consider in a synthetic way the different steps of project management and to understand the tools. The doctoral student is led to use his thesis project as a case study to test the project management tools by phases:

Launching a project (questions to ask)

Project planning (anticipation and organization in time)

Organization and management for the implementation phase (choice of tools, construction of a dashboard)

At the end of this part, the PhD students are able to test a variety of tools and consciously choose their complete project management system to implement.

- **Managing Risks and Issues**

Risk management situations, starting from their specific problems and proposing practical methods such as co-development or creative problem solving.

Identification of resources and partners on which to rely on (with recap list provided)

This training is held in English and French