# Research Outline – Information and template

## General Information

Within the first three months, each PhD-student in the RTG composes a written and fully referenced outline of her/his planned PhD-project. The outline is presented to the responsible Thesis Committee. It will be discussed in the first Thesis Committee meeting.

The written Research Outline is obligate for full association with the RTG and has to be submitted with the application documents for association to the Scientific Coordinator.

## Aim of the Research Outline

The Research Outline is the first written examination of the project planning by the doctoral student. It should help to frame the project in detail in a scientific and organizational way.

Specific aims are to:

* Consider already existing knowledge on the subject
* Get familiar with pioneer/preliminary work in the research field
* Think through and internalize the project planning
* Create a basis for the further work
* Become aware of the time schedule of the project
* Brief the Thesis Committee on the project planning to obtain constructive support/ Present the project to the Steering Committee to became associated to the RTG

## Content

* Introduce the Research topic quoting relevant literature
* Formulate precise scientific questions
* Give an overview of the project with clear pronounced aims and strategies
* Explain scientific approaches and the experimental/theoretical setup
* Include an Outlook and draft a time schedule for the project

## Format

* 2-3 pages, Figures und diagrams are welcome, preferably submit a pdf file
* The draft (next page) can be used as a template
* The extent of each section is not prescribed but depends on the content

Discuss the outline with the responsible Main Supervisor before a final version of the Research Outline will be submitted to the Scientific Coordinator, who will forward the document to the appropriate operative committee.

# Research Outline

Name of the doctoral student

Supervisor: Name of the Main PI

Start of the doctoral studies: 00.00.2020

Date of the Research Outline: 00.00.2020

# P00 – Title of the Project/Thesis Title

### Current state of the research

Give a short introduction on the research field and the current state of the research quoting relevant literature.

### Preliminary work in the working group

Most of the projects are based on previously unpublished work of the working group. Write here about relevant findings related to the project.

### Goals and methodical implementation

Formulate which questions are aimed to answer and go into detail which approaches will be used. Draft a time schedule.

### Results

Maybe there are already some own results to write here. Otherwise use this section to hypothesize and give expectation on the project or skip it.

### References

List the quoted literature.