

## FOMS 2.1: Research planning

### Contents:

Elaboration of a research plan, typically in the area of management of natural resources including a literature survey, clearly formulated hypotheses or research questions as well as an outline of the methods to be applied. Understanding of relevant risks and ethical aspects. Literature survey with critical assessment of the perused material and corresponding to the standards of scientific papers. Determination of the scientific contents of scientific literature and of the elaborated research plans.

### Qualification goals:

The students are able to recognize the quality of research plans and they can critically think within an academic discipline and they are able to sound argumentation. They can apply principles for the appropriate development of research projects including critical discussion of literature, problem identification, formulation of hypotheses and research questions, data requirements and selection of methods. They reveal independent ability for learning as a basis for life-long learning and are in a position to creatively solve problems by systematic research. In this, they show the necessary competencies for scientific professional life and the key qualifications as well the ability to work independently and to work in the team.