

## RESEARCH CLINIC

### General information

Supervisor:	Thijs Bosker
Title of clinic:	Distribution and impacts of microplastics
Number of students:	1-3
Major ( <i>if applicable and approved by the Major Convener</i> ):	EES
(Pre)requisites ( <i>if applicable</i> ):	None

### Research context

This project is focused on the distribution of microplastics in the environment, and their potential impact on model organisms. Microplastics are ubiquitous in the environment, but little is known about their impacts. I am currently running several projects, both on distribution and impacts, and am looking for students to participate in these projects. This is a hands-on clinic, in which you collect primary data in the field and laboratory. You will be trained in key skills, including laboratory techniques, experimental design, toxicology testing and data collection.

Tasks and activities can include:

- Sample collection;
- Extract microplastics from samples;
- Impact assessment by doing toxicity tests using invertebrate organisms;
- Report writing;
- General support of research activities.

### Students' tasks and activities

*Please specify the tasks and activities, timeline, the learning aims and how they are assessed, i.e. what the deliverables will be.*

Students will work independently on a research project. This will involve running an experiment or extracting microplastics from samples. The timeline is the first semester of year 2. Learning aims are to get train students in how to run an experiment, how to work in a laboratory and how to analyze primary data

At the end of the Research Clinic students write a report to summarize their experiences and their findings.