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1. Describe your academic expertise, with special focus on your expertise in permafrost:

I am currently working on my PhD in permafrost modelling at the University of Oslo, where I also did my MSc in the same theme. I have focused on numerical modelling of the surface energy balance and ground thermal regime in cold regions, with a focus on effects due to snow (MSc) and vegetation. In addition to modelling, I have been on several field campaigns in the Arctic (Svalbard) and continental Eurasia (Mongolia).

2. Describe your experience as a supervisor for student projects:

I have so far been a co-supervisor for two MSc students (one ongoing) at the University of Oslo. Both projects are connected to my own research, focusing on remote sensing of surface properties in the discontinuous permafrost zone of Mongolia.

3. Please describe any formal pedagogical training:

I have taken the university pedagogics training course (200hr) at the University of Oslo, including a module on assessment and feedback. In this course I am using the PermaIntern pilot at UiO in fall 2023 as a case for my pedagogic development assignment.

4. Describe the students at your home institutions, including the academic programs and any teaching on permafrost:

The department of Geosciences at UiO has a yearly intake capacity of 55 BSc students (2 study programmes) and 75 MSc students (4 study programmes). This capacity is however seldom met. The department also has a number of PhD candidates enrolled in the PhD programme of the faculty of mathematics and sciences. For PermaIntern, students from both BSc study programmes are relevant, and from the MSc study programmes "Water and Climate" and "Environmental Geosciences, Geohazards, and Geomatics". Several courses on the BSc and MSc level cover some permafrost topics, but it is only a major focus in one course: "Glacial and Periglacial Geomorphology".

5. Describe how your home institution is currently working with internships (e.g. compulsory part of education, offered as courses, no internship opportunities offered, etc.). Please provide as much information as possible regarding the formal structure and possibilities for students:

Students at our institution are offered an elective internship course of 10 ECTS in the last semester of the BSc. In this course, the department collects and develops projects with hosts in the Oslo area, and the students apply for these. The host ranks the applicants, and the department administers the admission of students. Each internship period at the host extends over 225 hrs over the spring semester, in addition to three seminars at the department. The internship is assessed orally and the students have to hand in a folder containing a written report, a blog post and a reflection note.

On the MSc level, the department has sent one student on a pilot internship in fall 2023, following similar procedures as those for the BSc level. It is unclear if the department will offer internships at the MSc (or PhD) level in the future.

6. Describe any mandatory parts of internships at your institution and how they may complement or overlap with the mandatory parts of the PermaIntern program (project plan, midway presentation, final project report)

The BSc level internships include a final project report, a blog post and a reflection note, which overlap with PermaIntern requirements. The mandatory seminars are hosted at UiO and would probably not correspond to the PermaIntern midway seminar.

7. Provide a reflection on your role as a supervisor for interns in the PermaIntern program, in the context of your answers to questions 1-6 above:

I believe my role as a PermaIntern supervisor would be to find hosts in the Oslo area, and make internships at these available through PermaIntern. I would also be able to act as a supervisor for PermaIntern interns from UiO going elsewhere, primarily on the MSc level (there is already a procedure on the BSc level, and I cannot supervise on the PhD level).

8. Would you be interested to act as a supervisor also for students from other institutions? If so, please provide a reflection on how you could best provide such supervision:

Yes, but only if I do not have to deal with administration at their home institution. E.g. students who come to Oslo on a paid PermaIntern internship that is not connected to their study program.