



UNIVERSITETET I BERGEN

**University of  
Bergen**  
Department of Earth  
Science

**Jobbnorge ID:** 193346

**Deadline:** 10/22/2020

**Website:** <https://www.uib.no/om/84775/ledige-stillinger-ved-uib>

**Scope:** Fulltime

**Duration:** Fixed Term

## PhD position in Educational Research

### UiB - Knowledge that shapes society

Through robust and close interaction with the world around us - globally, nationally and locally - we shall be instrumental in building a society based on knowledge, skills and attitudes.

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Video: <https://www.youtube.com/watch?v=JRdMR-PhbBQ&t=4s>

### PhD position

A PhD position is available in Educational Research at the [Department of Earth Science](#), University of Bergen. The position is for a fixed-term period of 3 years with the possibility of a 4th year with compulsory other work (e.g. teaching duties at the Department). The position is affiliated with the iEarth Centre of Excellence in Education (<https://iearth.no/>).

### About the project/work tasks:

iEarth is a national consortium of five earth science departments that have joined forces to transform the earth science education in Norway.

iEarth will promote a student-centered, innovative learning environment for future earth scientists and citizens to meet complex societal challenges and opportunities. This will be done through active learning and real-world problem-solving in a nationally integrated earth science education with a global perspective.

A primary goal of the centre is to establish an educational research academy that will investigate the process of educational transformation. The academy will consist of five PhD students (including the one advertised here) and one postdoctoral researcher, as well as staff members from across the consortium with diverse backgrounds in earth sciences and educational sciences. This academy will be distributed across the Nordic countries but function as a closely tied research group.

PhD project synopsis:

Capturing a complex curriculum: cyberinfrastructure as a catalyst of co-creation.

Nothing is more important than understanding the planet that sustains human existence. Students, instructors and societal stakeholders therefore need to see clearly how and why an earth science education provides a set of competencies that are crucial for solving global challenges. To pursue this vision, iEarth will create an innovative cyber-infrastructure for competence-oriented curriculum redesign, to facilitate, monitor, and evaluate the educational transformation process. A key goal of the proposed cyberinfrastructure is to let curriculum development be a continuous, agile process seamlessly integrated with course design and assessment of student learning. Hence, the technological solutions (back-end architecture, user experience design, visual analytics) and the human-technology relationships are vital to this educational transformation process.

This PhD project will contribute to and investigate the early stages of this transformation process from different perspectives (e.g. student, instructor, institution, employer). The main focus of the project is on the people involved, their engagement, needs, and barriers, including the role of students as co-creators in curriculum development. We expect this project to result in a deeper understanding of how different stakeholders engage in the process of educational transformation, which in turn provides critical knowledge needed for successful development of the cyberinfrastructure.

The PhD candidate will be part of a diverse team and will play a unique and crucial role in fulfilling the vision of the iEarth Centre of Excellence. To read more about the other projects in iEarth, follow this link: <https://iearth.no/en/about-iearth/about-iearth-2/phd-projects-available-in-iearth/>

### Qualifications and personal qualities:

- Applicants must hold a master's degree or equivalent in educational science, pedagogy, educational technology, instructional design or other relevant fields, or must have submitted his/her master's thesis for assessment prior to the application deadline. It is a condition of

- employment that the master's degree has been awarded.
- Experience from natural sciences education is an advantage.
- Applicants must be able to work independently and in a structured manner and demonstrate good collaborative skills.
- Applicants must be proficient in both written and oral English.

Personal and relational qualities will be emphasized. Ambitions and potential will also count when evaluating the candidates.

### About the PhD position:

The fellowship will be for a period of 3 years, with the possibility of a 4th year, consisting of 25 % compulsory work (e.g. teaching responsibilities at the department) distributed over the employment period. The 4th year is contingent on the qualifications of the candidate and the teaching needs of the department and will be decided by the head of department upon appointment.

The employment period may be reduced if you have previously been employed in a qualifying post (e.g. research fellow, research assistant).

### About the research training

As a PhD candidate, you must participate in an approved educational programme for a PhD degree within a period of 3 years. The deadline for applying for admission to the PhD programme at The Faculty of Mathematics and Natural Sciences is 2 months after you start your position or after the start of the research project that will lead to the PhD degree. It is a condition that you satisfy the enrolment requirements for the PhD programme at the University of Bergen.

### We can offer:

- a good and professionally stimulating working environment
- salary at pay grade 54 (Code 1017/Pay range 20, alternative 10) in the state salary scale. This constitutes a gross annual salary of NOK 479 600,-. Further promotions are made according to length of service in the position.
- enrolment in the Norwegian Public Service Pension Fund
- good [welfare benefits](#)

### Your application must include:

- a brief account of your research interests and motivation for applying for the position
- a brief project prospectus document (ca. 4 pages, including references) in which you propose how you would design and conduct your research in this project (e.g., choice of theory and methods) and explain why you are the best candidate to conduct this research
- the names and contact information for two referees. One of these should be the main advisor for the master's thesis or equivalent thesis
- CV
- transcripts and diplomas showing completion of the bachelor's and master's degrees. If you have not yet completed your master's degree, please submit a statement from your institution confirming that the master's thesis has been submitted
- relevant certificates/references
- approved documentation of proficiency in English (if required, cf. [English language requirements for PhD admission](#))
- a list of any works of a scientific nature (publication list)
- any publications in your name

The application and appendices with certified translations into English or a Scandinavian language must be uploaded at Jobbnorge.

### General information:

Detailed information about the position can be obtained by contacting: Assoc. Prof. Bjarte Hannisdal, email: [bjarte.hannisdal@uib.no](mailto:bjarte.hannisdal@uib.no)

The state labour force shall reflect the diversity of Norwegian society to the greatest extent possible. People with immigrant backgrounds and people with disabilities are encouraged to apply for the position.

The University of Bergen applies the principle of public access to information when recruiting staff for academic positions.

Information about applicants may be made public even if the applicant has asked not to be named on the list of persons who have applied. The applicant must be notified if the request to be omitted is not met.

The successful applicant must comply with the guidelines that apply to the position at all times.

For further information about the recruitment process, click [here](#).

### Life as a PhD candidate at UiB

Marion Claireaux tells about life and work as a PhD candidate at UiB.

Video: <https://www.youtube.com/watch?v=nrt6VxMeJ4&index=2&list=PLf8ZIYfAO0qjhROTj6SthDbSSc90ISO6G>

## About The University of Bergen

The University of Bergen is a renowned educational and research institution, organised into seven faculties and approximately 54 institutes and academic centres. Campus is located in the centre of Bergen with university areas at Nygårdshøyden, Haukeland, Marineholmen,

Møllendalsveien and Årstad.

There are seven departments and several centres at Faculty of Mathematics and Natural Sciences. [Read more about the faculty](#) and [departments](#).

## **Additional information**

### **Place of service:**

Bergen 5007 Bergen (Bergen Municipality)