



LUND  
UNIVERSITY

# MSc in Environmental Changes at Higher Latitudes (EnChil)

LUND UNIVERSITY | SWEDEN

- Master of Science in Physical Geography and Ecosystem Science
- 2 years, full-time, 120 ECTS credits
- Nordic joint programme
- Department of Physical Geography and Ecosystem Science at Lund University in a consortium with Agricultural University of Iceland and University of Helsinki
- Lund Campus (LU), Agricultural University of Iceland (AUI) campus and partner universities
- Application deadline and programme start: see [www.enchil.net](http://www.enchil.net).

## PROGRAMME OVERVIEW

To better understand the effects of changes in nature and society at high latitudes, this program presents the different biological, physical and social processes and how they interact to shape the arctic environments. Due to climate change, increased economic activities and access to the arctic area, ecosystems and societies are changing in accelerated rate. Therefore, there is a need for experts with a multidisciplinary training in environmental sciences.

The programme is a joint Nordic master, which means that students will graduate from two universities: the Agricultural University of Iceland and the University of Helsinki or Lund University. In addition, EnChil students will have access to courses and research projects at any of the EnChil associated partners: the University of Oulu in Finland, the University of Aarhus in Denmark, the Greenland Institute of Natural Resources and the Estonian University of Life Sciences.

The curriculum contains a mandatory mobility period of at least one semester and all students will stay one semester at the Agricultural University of Iceland.

## PROGRAMME MODULES/COURSES

Depends on starting location. For Lund campus: Greenhouse Gases and Biogeochemical Cycles (15) [LU], Statistical tools for climate and atmospheric science (5) [distance learning], Climate Change in the Arctic (5) [distance learning], Climate Now (2+3) [distance learning], Arctic forum (5) [AUI], EnChil forum (1) [AUI], Ethics and Philosophy of Science (6) [AUI], Communication, Knowledge and Extension (4) [AUI], Environmental Governance (6) [AUI] Arctic Planning and Environmental Changes (2) [AUI] First thesis presentation (1) [AUI] Sea Ice Ecology (5) [Greenland]. Second year courses at one of the EnChil partners (30) and thesis project (30).

## CAREER PROSPECTS

As a graduate of the MSc in EnChil, you will be able to work within the fields of environmental management, consultancy, climate modelling and research with focus on the arctic environment.

## ENTRY REQUIREMENTS AND HOW TO APPLY

### Entry requirements

A Bachelor's degree of at least 180 credits with a minimum of 90 ECTS of studies in natural sciences and technology, with a minimum average grade of at least C on the ECTS grading scale. English Level 6.

### How to apply

- 1. Apply online:** Go to [www.enchil.net](http://www.enchil.net). Click on "Apply" and follow the instructions for the online application at [www.universityadmissions.se](http://www.universityadmissions.se), the Swedish national application website. Rank the chosen programmes in order of preference.
- 2. Submit your supporting documents:** Check what documents you need to submit (i.e. official transcripts, degree diploma/proof of expected graduation, translations, proof of English, passport) and how you need to submit them at [www.universityadmissions.se](http://www.universityadmissions.se).
- **Programme-specific supporting documents:** When applying for this programme, you should do this at the central application site at [www.enchil.net](http://www.enchil.net) and read carefully the options and follow requirements given. See the programme webpage for details.
- 3. Pay the application fee (when applicable).**

### Selection criteria/additional info

The selection is based on grades awarded for previous academic courses, particularly qualifying courses, as well as the statement of purpose and professional qualifications and/or other practical experience of relevance and motivation from the applicant personal letter. Number of places is limited to 20 students.

### Tuition fees

EEA/EU students: Annual fee consisting of ½ of the normal annual registration fee at AUI and the UH (currently ≈ 300 EUR and ± 103 EUR). Non-EEA/EU students: An annual flat-rate tuition fee of 9.000 EUR, which includes all the registration and fees.

## ABOUT THE DEPARTMENT OF PHYSICAL GEOGRAPHY AND ECOSYSTEM SCIENCE

The department of Physical Geography and Ecosystem Science is mainly focused on interdisciplinary studies of how climate and environmental changes affect the function and composition of terrestrial ecosystems. We combine field studies in many different places in the world with work in laboratories and computer simulations, programming and modelling. The goal is to increase understanding of the processes that take place in the exchange between the biosphere and atmosphere, hydrosphere and geosphere, not least under different climatic and environmental changes.

Our work focuses on the climate of today and the future, the interactions of ecosystems with the atmosphere, as well as applied environmental problems. Our diverse and cutting-edge research





is well reflected in the courses and education programs that we offer, which means that our students are well prepared for the challenges of the labour market after graduation.

#### **ABOUT LUND UNIVERSITY**

Lund University was founded in 1666 and is repeatedly ranked among the world's top universities. The University has around 45 000 students and more than 8 000 staff based in Lund, Helsingborg and Malmö. We are united in our efforts to understand, explain and improve our world and the human condition.

Lund is considered one of the most popular study locations in Sweden. The University offers one of the broadest ranges of

programmes and courses in Scandinavia, based on cross-disciplinary and cutting-edge research. The unique disciplinary range encourages boundary-crossing collaborations both within academia and with wider society, creating great conditions for scientific breakthroughs and innovations. The University has a distinct international profile, with partner universities in approximately 75 countries.

Lund University has an annual turnover of EUR 892 million, of which two-thirds go to research in our nine faculties, enabling us to offer one of the strongest and broadest ranges of research in Scandinavia.

#### **CONTACT**

Programme webpage:

[www.enchil.net](http://www.enchil.net)

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Learn more at [www.lunduniversity.lu.se](http://www.lunduniversity.lu.se)



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