INTERNATIONAL MASTER OF SCIENCE IN SOILS AND GLOBAL CHANGE (PHYSICAL LAND RESOURCES AND GLOBAL CHANGE)

PROGRAMME JOINTLY OFFERED BY GHENT UNIVERSITY, AARHUS UNIVERSITY, BOKU UNIVERSITY, UNIVERSITY OF GÖTTINGEN

120 ECTS CREDITS - LANGUAGE: ENGLISH

WHAT

The International Master of Science in Soils and Global Change (IMSOGLO) programme aims at teaching the knowledge, tools, technologies and applications in the context of soils and global change by bringing together the expertise of research groups at 4 renown EU universities: Ghent University, University of Natural Resources and Life Sciences (Vienna), University of Göttingen, and Aarhus University.
The academic partners are complementary, and each have specific expertise in biogeochemical and physical aspects of soils under global change and can thus provide the necessary multidisciplinary approach to cover the complete chain:

- All partner Universities work on soils worldwide, which is useful to provide a variety in classroom examples to the students and allows a rich choice in study areas for thesis research;
- Aarhus University has a strong profile in soil physics and global change issues in arctic and temperate regions;
- The University of Natural Resources and Life Sciences (Vienna) has a strong profile in soil microbiology and greenhouse gas fluxes in temperate and tropical soils;
- The University of Göttingen has a strong profile in biogeochemistry of agricultural and natural soils of temperate and tropical soils;
- Ghent University has a strong profile in physical and chemical soil degradation research and optimal soil & water management worldwide.

The academic partners collaborate closely with non-educational partners from both the public and private sectors. Associated Partners have a structural regular commitment towards the programme, and the large networks at all partner institutes allow options for theses and internships through ad hoc opportunities, offers or requests.

STRUCTURE

This 2-year programme contains 120 ECTS credit units and has two specialisation options of 90 ECTS:

- **Physical land resources and global change** is organised by Ghent University and Aarhus University, and leads to a joint MSc-diploma issued by these 2 universities.

Student mobility within Europe is an integral part of the 2-year programme. Both specialisations share the introductory module of Soil Fundamentals at Ghent University (first semester, 30 ECTS, which includes a joint primer event) and a joint summer activity at the end of the second semester. The courses and locations during the second and third semester depend on the chosen specialisation. Students follow mandatory courses and choose eligible courses up to a total of 30 ECTS per semester (see www.imsoglo.eu for a list of mandatory and elective courses). The MSc-thesis is done at one of the universities organising the specialisation, with co-supervision from the other university. It is also possible to do the thesis in conjunction with one of the associated partners: Joint Research Centre of the European Community, or Chinese Academy of Sciences (Nanjing).

LABOUR MARKET

A needs analysis at the start of IMSOGLO has shown there is a substantial need for soil consultants primarily in the fields of agronomy and pollution. There is a larger need for academics, mainly in the fields of land-use change and greenhouse gas emissions, which strongly proves the need and relevance for the scope of the programme: soils and global change. Analysis of alumni of preceding MSc-programs showed that almost 45% of the alumni took jobs in the public sector, mostly in research and partly in education. About 50% of the alumni took jobs in either consultancy, industry or agriculture/agro-industry.

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FACULTY OF BIOSCIENCE ENGINEERING

2024-25

ADMISSION REQUIREMENTS FOR INTERNATIONAL DEGREE STUDENTS

Academic requirements

- Academic bachelor degree (minimum 180 ECTS credits or equal) in pure or applied sciences (e.g. chemistry, biology, geology, physical geography, geo-ecology, civil or agricultural engineering, environmental or agricultural sciences, etc.) or an equivalent level from a recognised university or engineering college.
- The obtained bachelor degree must contain at least 40 ECTS credits or equal in natural sciences, covering at least four of the following disciplines: physics, chemistry, mathematics, ecology, biology, geology, physical geography, environmental sciences and agricultural sciences.
- The grades obtained during the bachelor degree must be very good or excellent (typically top 30% of the student cohort).

All applicants for IMSOGLO should apply for admission via the procedure described on https://imsoglo.eu/admission-application/

LANGUAGE REQUIREMENTS

Language requirements Dutch: no language requirements

Language requirements for this study programme differ from the required standard level for English taught study programmes as specified in the Ghent University Education and Examination Code:
English:
The English language proficiency can be met by providing a certificate of one of the following tests:

- TOEFL IBT 90 (TOEFL IBT home edition is accepted)
- ACADEMIC IELTS 6,5 overall score with a min. of 6 for writing
- CAMBRIDGE C1 advanced certificate (formerly Cambridge Certificate in Advanced English (CAE))

Exception: Candidates having obtained a prevoius higher education degree in Australia, Belize, Botswana, Cameroon, Canada, Gambia, Ghana, Guyana, Hongkong, India, Ireland, Kenya, Liberia, Malawi, Malta, Namibia, New-Zealand, Nigeria, Papua New Guinea, Philippines, Rwanda, Sierra Leone, Singapore, South-Africa, Sudan, South Sudan, Tanzania, Uganda, United States of America, United Kingdom, Zambia or Zimbabwe need to provide an English language of instruction certificate issued and signed by their previous university. This certificate should clearly state that the language of instruction was English.
A language of instruction certificate will not be accepted if the degree was obtained in another country than the countries listed above.
See also https://imsoglo.eu/admission-application/

PRACTICAL INFORMATION

Study programme

studiekiezer.ugent.be/international-master-of-science-in-soils-and-global-change-physical-land-resources-and-global-change-en/programma

Information sessions

Graduation Fair

afstudeerbeurs.gent/en/students/further-studies

Open Days

Each spring there is a **Graduation Fair**. It consists of a job fair (with more than 200 different companies) and a postgrad/master fair.
For some programmes, there is a specific **Open Day**. If this is the case, you will find the date here (at the latest Feb 15th).

28 April 2025 19u00 - 21u00 - Campus Coupure (E-blok, Agora), Coupure Links 653, 9000 Gent

Enrolling institution

Ghent University, University of Göttingen, Boku University, Aarhus University

Information on enrolment at Ghent University.

Application Deadline (for International degree students)

More information on programme specific application procedures and deadlines for both **Belgian and international students.**

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Tuition fee

More information is to be found on: www.ugent.be/tuitionfee

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International Training Centre
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GHENT UNIVERSITY

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