Programme overview
Geo-information science and earth observation for environmental modelling and management is essential for development issues all round the world. Spatial data, such as maps and global databases, as well as satellite imagery, play a central role in the search for reliable environmental information for scenario studies and viable policies. Knowledge and skills in this field will therefore continue to be crucial for industry, government and NGOs. The programme runs for 22 months and is taught by world class faculties in five countries: Iceland, the UK, Sweden, Poland and the Netherlands. While spending time in at least two of the five countries and studying in a multicultural environment, you will gain valuable insights into the academic, social and cultural diversity of Northern and Central Europe. On graduation you will receive a multiple MSc degree from the consortium universities. There is a great demand for Geo-information Science and Earth Observation for Environmental Modelling and Management (GEM) graduates in the international arena. A course calendar with course structure and modules is available on the website, www.gem-msc.org.

Programme modules/courses
The programme is divided into one foundation year (60 ECTS) and one year of specialisation (60 ECTS). During the first year, the students have common foundation studies in geo-information and earth observation, statistics, presentation and research skills, and systems analysis related to environmental modelling and management. The second year students can specialise on e.g. EU Policy and Environment, Environmental Modelling of Oceans and Land, Environmental Change at Northern Latitudes, Biodiversity, Carbon Modelling, Food Security, Geoinformatics, Modelling of Greenhouse Gases and Web Solutions for Environmental Modelling.

A course calendar with course structure and modules is available on the website, www.gem-msc.org.

Career prospects
Geo-information technology and, in particular, remote sensing, plays a central role in the search for clear analyses to provide the required information for formulation of viable policies. Skills in this field will therefore continue to be much in demand in industry, government and NGOs.

Entry requirements and how to apply
ENTRY REQUIREMENTS
Applicants should have a first or upper second class (2.1) BSc honours degree, or equivalent, from a recognised university in a discipline related to the programme, preferably combined with work experience in a relevant field.

English proficiency must also be demonstrated. For more information about English proficiency levels, please see www.gem-msc.org/application/admission.

“Being part of the GEM program was an unforgettable experience and I had the chance to develop myself professionally and personally.”
Joaquin Duque Lazo, from Spain
HOW TO APPLY
Please see www.gem-msc.org/application/admission for information on how to apply.

SELECTION CRITERIA/ADDITIONAL INFORMATION
Selection of students is based not only on their background and work experience, but also motivation and research interest are taken into account. Students are requested to add a motivation letter and provisional research idea to their application.

TUITION FEES
The tuition fee is €9,500 per year for non-EU/EEA students and €3,500 per year for EU/EEA students. For details on tuition fees and scholarships, please see www.gem-msc.org.

About Lund University
Lund University was founded in 1666 and is repeatedly ranked among the world’s top 100 universities. The University has 42,000 students and 7,400 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 the most popular study location 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 compact university campus encourages networking and creates the conditions for scientific breakthroughs and innovations. The University has a distinct international profile, with partner universities in over 70 countries.

Lund University has an annual turnover of SEK 8 billion, of which two-thirds go to research. Our research is characterised by both breadth and strength and, according to independent evaluations, over 30 of our research fields are world-leading.

The establishment of the world-leading facilities MAX IV and ESS will have a major impact on future scientific and industrial development in both materials science and life science. MAX IV, which was inaugurated in June 2016, is the leading synchrotron radiation facility in the world, while the European research facility ESS will be the world’s most powerful neutron source when it opens for research in 2023. Adjacent to these facilities, Science Village Scandinavia is also being developed into a meeting place and testing environment for research, education and entrepreneurship.

Learn more at www.lunduniversity.lu.se
Ask questions and follow news at facebook.com/lunduniversity