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 large number of the GEM graduates are accepted in PhD degree programmes. The programme has been running for 10 years and more than 120 students have graduated.

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 in 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, play 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
A Bachelor’s degree of at least 180 credits or the equivalent, within a specialisation of relevance to the study programme.

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

“Being part of the GEM program was an unforgettable experience and I had the chance to develop myself both 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
The selection will be 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 (from the applicant’s ‘Summary Sheet’).

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 40,000 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. Lund University offers one of the broadest ranges of programmes and courses in Scandinavia, based on cross-disciplinary and cutting-edge research. The University has a distinct international profile, with partner universities in over 70 countries.

Lund University has an annual turnover of SEK 8 billion, two-thirds of which are destined for research. Our eight faculties conduct strong research in many different areas, including over thirty research fields in which we are world-leading. Many scientific breakthroughs and pioneering innovations have originated from Lund University.

The world-leading research facilities MAX IV and ESS which are being established in Lund will be of great significance for research and industrial development within materials and life sciences. MAX IV, which was inaugurated in 2016, is the world’s foremost synchrotron radiation facility and the ESS will be the most powerful neutron source in the world once it opens for research in 2023. Science Village Scandinavia is developing nearby, destined to become a meeting place and a test environment for research, education and entrepreneurship.

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

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