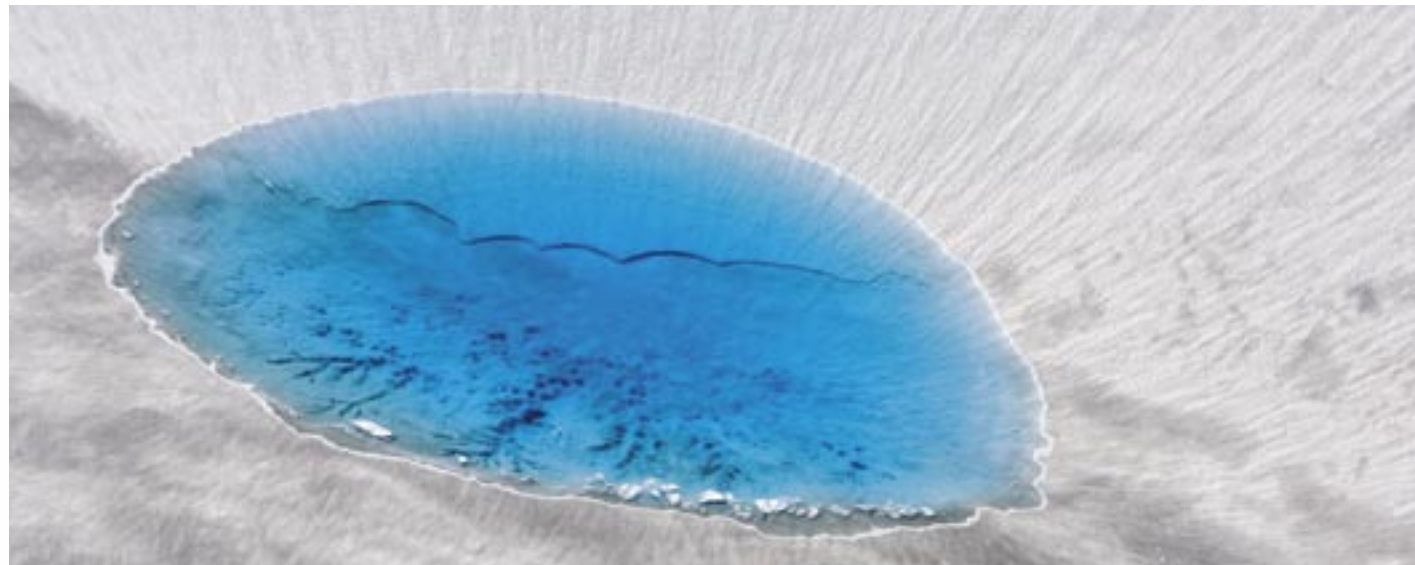


Environment and Natural Resources Interdisciplinary masters program » [MA or MSc](#)

The earth is undergoing environmental changes that are historically unique. Increased levels of greenhouse gases are changing the climate; depletion of harvestable fish species and desertification are threatening food security and air and water pollution is affecting human and environmental health. Explaining the causes and consequences, reporting on the relevant issues or designing the appropriate counteractive and management methods is well beyond the ability of a single discipline. At the University of Iceland we foster interdisciplinary thinking and analysis in our search for solutions.

In Iceland, with its unparalleled use of clean energy (over 70% of all energy used is clean and renewable), efficient management of renewable resources, and the largest wilderness area in Europe, students get an unequalled opportunity to participate in the search for solutions.



UNIVERSITY OF ICELAND

Environment and Natural Resources

INTERDISCIPLINARY MASTERS PROGRAM

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Environment and Natural Resources

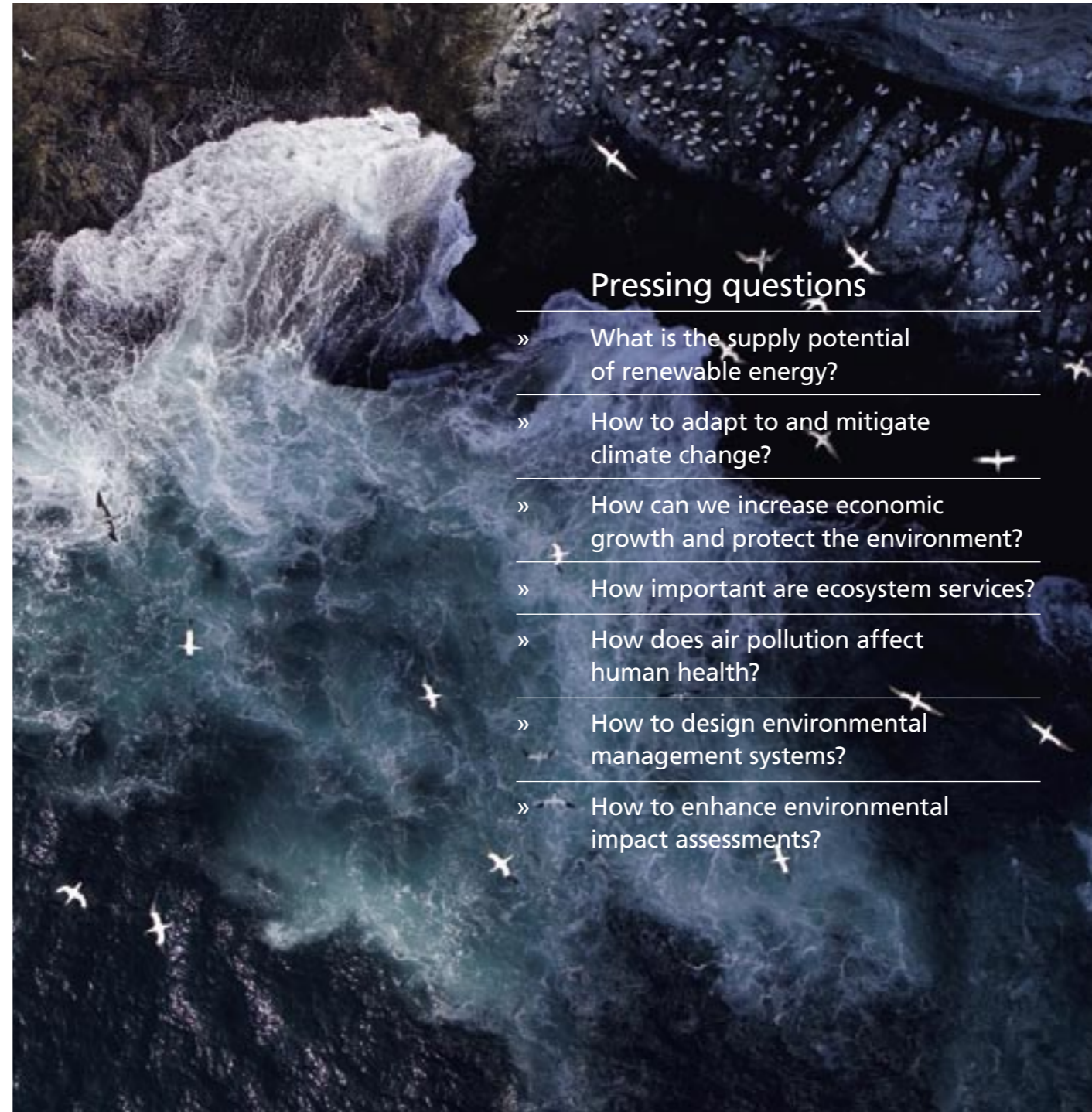
The two year masters program in Environment and Natural Resources at the University of Iceland is ideal for those who have finished BSc or BA degrees, and want to concentrate on issues such as sustainable energy systems and policy, energy and the environment, environmental science and policy, environmental management and natural resources management such as fisheries and wilderness management. Students will graduate with a MSc or a MA degree in Environment and Natural Resources.

The program is organized by diverse disciplines at the University, including social and natural sciences, business and economics and engineering. This cross-disciplinary collaboration fosters interdisciplinary thinking and gives students a unique opportunity, in consultation with their appointed faculty advisor, to design a tailor made study program based on their interests.

The University has strong research programs, and examples of current research include: The value of landscape and ecosystem services, adapting and mitigating climate change, geothermal systems, the ecological footprint of energy resources, LCA of various energy options such as hydrogen, biodiesel and ethanol, total cost analysis of a hydrogen economy, valuing visual pollution of energy systems, dynamics of energy intensive industries, eco-industrial parks and indicators and policies towards sustainable energy development.

Recent masters thesis focal areas include:

» Sustainable energy systems	» Landscape classification
» Hydrogen economy	» Biodiversity
» Biofuels	» Air pollution and health
» Low carbon fuels for transportation	» Climate change policies
» Environmental management systems	» Water pollution
» Environmental impact assessment	» Waste management
» Ecolabels	



Pressing questions

- » What is the supply potential of renewable energy?
- » How to adapt to and mitigate climate change?
- » How can we increase economic growth and protect the environment?
- » How important are ecosystem services?
- » How does air pollution affect human health?
- » How to design environmental management systems?
- » How to enhance environmental impact assessments?

Program Organization

The two year (120 ECTS; 60 US credits) masters program in Environment and Natural Resources consists of a set of five core classes, a thesis - and up to 10 electives at any of the Universities Faculties chosen in collaboration with the program director. Students are expected to complete courses from different disciplines, fostering a broad understanding of environmental and resource issues. The research project offers an opportunity to explore a chosen subject in greater depth and acquire research experience. The program is conducted in English.

A small example of available courses:

» Introduction to environment and natural resources	» Cost benefit analysis
» Environmental and resource policy	» International law on sustainable development
» Environmental and resource governance	» Environmental Law
» Environmental ethics	» Natural Resources Law
» Environmental impact assessment	» Environmental Geochemistry
» Strategic environmental assessment	» Geothermal Resources
» Environmental Economics	» Energy economics
	» Natural resource management

Application deadline and contact information

Application deadlines are March 15th for the fall semester and September 15th for the spring semester. For more information and for application forms please send an email to umhverfi@hi.is or consult www.umhverfi.hi.is. Applications should be sent to the Faculty of Science office, Hjarðarhagi 2-6, IS-107 Reykjavík, Iceland.

The Power to Think

The University of Iceland is a progressive educational and scientific institution, renowned in the global scientific community for its research. It is a state university, situated in the heart of Reykjavík, the capital of Iceland. A modern, diversified and rapidly developing institution, the University of

Iceland offers opportunities for study and research in almost 300 programs spanning most fields of science and scholarship: Social Sciences, Health Sciences, Humanities, Sciences and Engineering. Some of the resources available at the University are uniquely Icelandic. These

include exceptionally complete genealogical data and climatological, glaciological, seismic and geothermal records. The University of Iceland holds a leading role internationally in renewable energy and environmental research.