

Annual Report 2024



Students on the course “Project in Physical Geography” attended an excursion in the landscapes surrounding the Stockholm University field station Navarino Environmental Observatory (NEO) in Greece. The Mediterranean landscape was used as a “classroom,” for studies of different types of erosion. The picture shows a very active coastal erosion along the sea. Photo: Sara Cousins

Department of
Physical Geography



Stockholm
University

Department Structure

Department Board

Extended Management Group

Executive Management Group

Head of Department
Sara Cousins

Deputy
Stefan Wastegård

Director of Studies
Björn Gunnarson

Administrative director of Studies
Moa Holmlund

HR Responsible
Susanna Blåndman

Head of Administration
Katrin Lindroth

Heads of Staff Units

Stefano Manzoni

Qiong Zhang

Gustaf Hugelius

Director of PhD Studies
Helle Skånes

PhD subject representative
Arjen Stroeven



Cherry trees in bloom outside the Geoscience building. Photo: Privat

Research and Education Grants Awarded 2024

Grant Receiver	Funding Organisation	Project Name	Total Grant (TSEK)
<i>Belyazid Salim</i>	<i>SU</i>	<i>Teacher of the Year</i>	50
<i>Belyazid Salim</i>	<i>AustrianAcad</i>	<i>Swift</i>	649
<i>Brown Ian</i>	<i>SLU</i>	<i>Urban trädäckning</i>	79
<i>Brown Ian</i>	<i>Naturvårdsverket</i>	<i>GINAMO</i>	600
<i>Escobar Carbonari Daniel</i>	<i>Formas</i>	<i>YSSP</i>	75
<i>Holmlund Per</i>	<i>The G.Gustafsson Foundation</i>	<i>Glaciärer som klimatindikator</i>	46
<i>Hugelius Gustaf</i>	<i>ESA</i>	<i>CLIMATE SPACE RECCAP2</i>	1 760
<i>Jaramillo Fernando</i>	<i>Formas</i>	<i>Water4All</i>	5 772
<i>Jaramillo Fernando</i>	<i>KTH</i>	<i>Digital Future</i>	1 000
<i>Rosqvist Gunhild</i>	<i>Naturvårdsverket</i>	<i>IPCC, Travel expenses</i>	40
<i>RosqvistGunhild</i>	<i>Formas (LU)</i>	<i>Extremväder</i>	661
<i>Scaini Anna</i>	<i>KTH</i>	<i>Exp.local-river Bolivia</i>	50
<i>Stroeven Arjen</i>	<i>VR</i>	<i>iQ2300</i>	4 000
<i>Stroeven Arjen</i>	<i>KTH</i>	<i>Equipment</i>	888
<i>Zhang Qiong</i>	<i>VR</i>	<i>Klimatf.Arktis</i>	101
			<i>Sum</i> 15 771

Research Contracts Awarded 2024

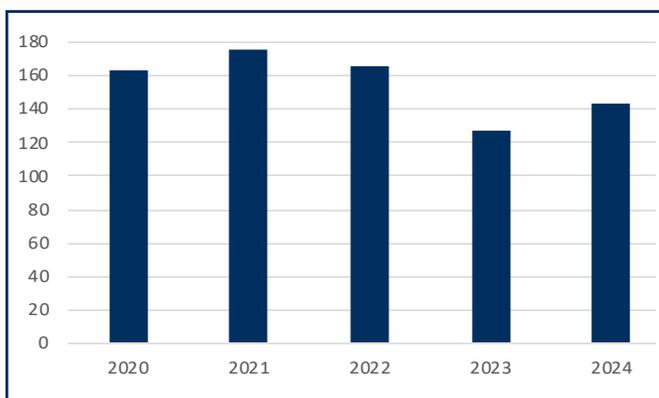
Grant Receiver	Funding Organisation	Project Name	Total Grant (TSEK)
<i>Risberg Jan</i>	<i>Stif.Kulturm</i>	<i>Dia</i>	80
<i>Stroeven Arjen</i>	<i>SKB</i>	<i>Steg 1 Fas</i>	280
<i>Stroeven Arjen</i>	<i>SKB</i>	<i>Fas 2</i>	760
<i>Stroeven Arjen</i>	<i>SKB</i>	<i>Steg 1 Fas</i>	854
			<i>Sum</i> 1 974



Students on the Bachelor's Programme in Biology-Earth Sciences on an excursion in Dalarna as part of the course *Quaternary Geology and Hydrology*. They studied groundwater runoff, sand dunes, and soil distribution at the highest coastline. Photo: Stefan Wastegård

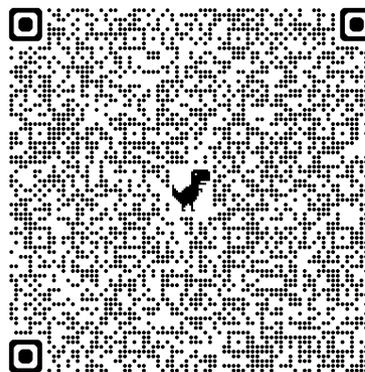
Publications

Publications (Peer Reviewed)



Number of peer reviewed publications 2020-2024. A total of 144 papers were published in peer reviewed journals 2024. Statistics for 2024 reported in DiVA.

QR-code to all publications in 2024



Infrastructure

Field stations:

Navarino Environmental Observatory (NEO)

Other facilities:

Stockholm Tree Ring Laboratory

Chemical Laboratory

Microscope facilities

Optically Stimulated Luminescence

Laboratory (OSL)

Sediment Laboratory

GIS and remote sensing cluster

Ice Laboratory



Salim Balyazid, one of the Teachers of the Year 2024! Photo: Privat

Education

The Department's goal is to offer high quality education, reflecting its research profile, and meeting society's needs for theoretical and practical expertise and skills.

The Department offers education at undergraduate (Bachelor's) level in Geography, Earth Sciences, Biology-Earth Science, and Environmental Studies. In addition, a wide spectrum of graduate (Master's level) programmes and courses are given, reflecting the research profile of the Department.

Every year about 1200 students attend our undergraduate and graduate courses.

Bachelor Programmes (180 credits) in:

Biology-Earth Sciences

Geography

Earth Sciences

Master's Programmes (120 credits) in:

Environmental Management and Physical Planning

Geomatics with Remote Sensing and GIS

Landscape Ecology

Polar Landscapes and Quaternary Climate

Water Resources (starts in 2025)



On the field course, "Swedish Landscapes", within the Bachelor's Programme in Biology-Earth Sciences, students learn how to interpret and understand the character and development of landscapes.

Photo: Tove Lundegård

Annual Performance Equivalent/HÅP



PhD Education

Doctoral theses 2024

Hannah Watts, *Exploring beneath the surface of glacial landscapes: Implementing and improving geophysical investigations in glaciated environments*

Daniela Guasconi, *The hidden half of the meadow - Interactions between drought, soil carbon, roots and soil microbial communities*

Elsie Kåresdotter, *Water in a Changing World - Unraveling the Complexities of Conflict and Cooperation*

Josefine Axelsson, *Interglacial climates in proxies and models: Utilizing sampled oxygen isotopes and model simulations to understand past Indian summer monsoon variability*

Jacopo Cantoni, *Active and legacy source contributions to observed water quality - A data-driven approach to their distinction across spatiotemporal scales*

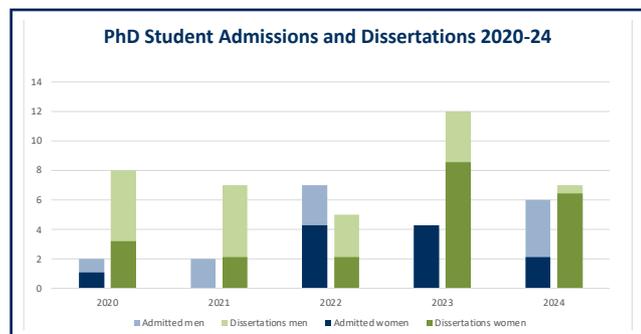
Heather Wood, *Bats at northern latitudes: The influence of habitat and climate*

Julia Wagner, *Arctic lowland tundra soils: Mapping of ice wedge polygons, soil organic carbon and nitrogen stocks on local to regional scale*



Hannah Watts with her doctoral hat to the left and supervisor Gustaf Hugelius and Daniela Guasconi at the nailing tree. Photo: Privat

PhD Student Admissions and Dissertations 2020-24



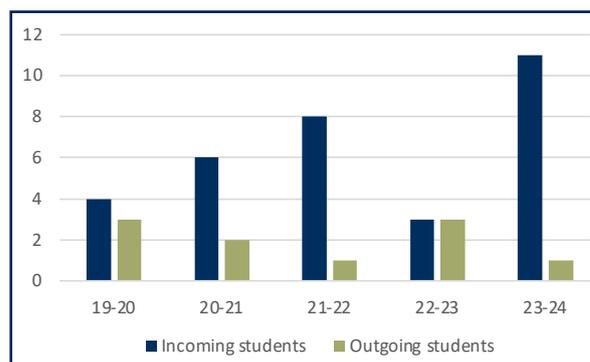
Collaboration

International Exchange Education

Partner Universities until spring semester 2024

Freie Universität Berlin, DE
 Rheinisch-Westfälische Technische Hochschule Aachen (RWTH Aachen), DE
 Trinity College Dublin, IE
 University of Turku (Åbo), FI
 Université de Liège, BE
 Universiteit Utrecht, NL
 Vrije Universiteit Brussel (VUB), BE
 Nanyang Technological University, Singapore

Exchange Students 2020-24



The number of students in the graph only show exchange students from our own exchange agreements. In addition we also receive as well as send out exchange students via central (university-wide) agreements, North2North, Nordlys and CIVIS, agreements handled by the International Office at Stockholm University.

Alumni Network

We wish to stay in touch with former students and researchers. Our alumni are part of the valuable network that supports us in a range of different ways: by being important ambassadors and by engaging in the development of research and education.

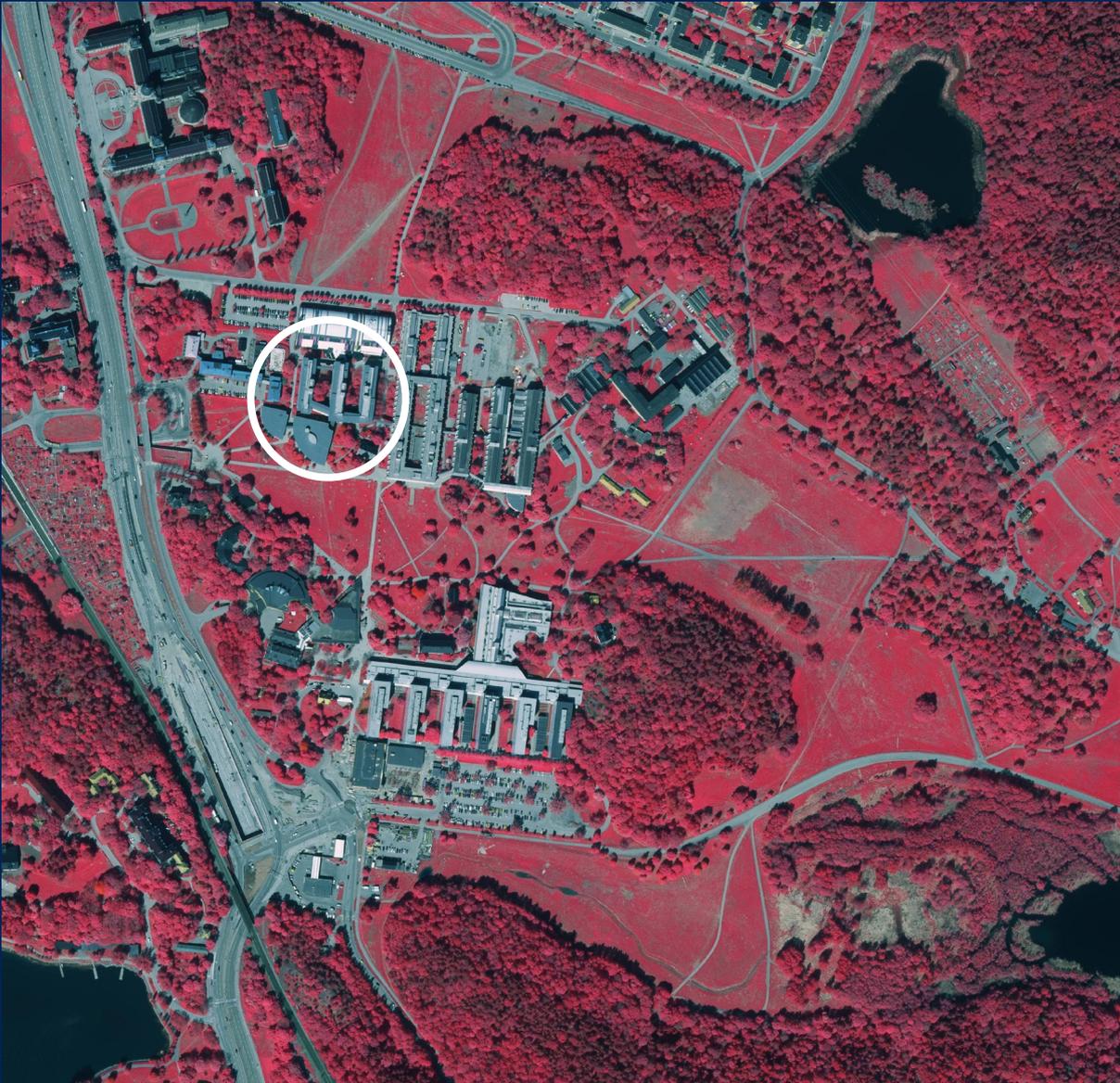
Outreach and Media

The department interacts with the public and schools at annual events like; the Researchers' Night, the Geology Day, the Sustainability Forum and the World Water Day. Our researchers communicate their findings and disseminate new knowledge to society in many different forms. From press releases, popular science papers, debates, national and international media.

Contact

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Stockholm University in Frescati. Photo: Infrared aerial photo used for interpretation of natural resources, UltraCam Eagle, LMV.



Stockholm
University

Department of Physical Geography

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