

CV Gustaf Hugelius, Professor at Stockholm University

Summary and contact details

Professor and Docent at Stockholm University, Department of Physical Geography. Vice director of the Bolin Centre for Climate Research from January 2022. Awarded M.Sc. in 2005, Ph.D. in 2011. Two years of experience as international Post-Doc, mainly at Stanford University, USA. As lead PI, awarded >30 million SEK as PI in competitive research funding since 2011. Born in 1980, married, father of two children with one year spent on parental leave.

Department of Physical Geography
Stockholm University
SE-106 91 Stockholm
Phone: +46 (0)70 7972952
Email: gustaf.hugelius@natgeo.su.se
Webpage: <http://www.su.se/profiles/chuge-1.184251>

Professional positions and international placements

- 2023- Full Professor in Geographic Information Systems (GIS) and Geomatics, Department of Physical Geography, Stockholm University
- 2015-2023 Senior Lecturer in Geographic Information Systems (GIS) and Geomatics, Department of Physical Geography, Stockholm University
- 2018- 2019: Visiting Associate Professor (Blaustein Scholar), Dept. of Earth System Science, Stanford University, USA
- 2015- 2017: Visiting Scholar, Dept. of Earth System Science, Stanford University, USA. As INCA scholar on leave of absence from lectureship
- 2011-2014: Researcher, Stockholm University. Including eight months as guest researcher at the United States Geological Survey, The Lawrence Berkeley Laboratory, The Alfred Wegener Institute, Agriculture and AgriFood, Canada and Stanford University.
- 2011 (Feb. to Sep.): post-doctoral researcher, CryoCARB consortium
- 2011 Ph.D of Physical Geography, Stockholm University

Leadership in international networks and other scientific merits

- Regional lead for the Arctic in the Global Carbon Project (GCP) RECCAP2 (2019-...).
- Founding leader of IPA interest group Permafrost and Carbon Budgets (2018-...)
- Lead of northern wetland mapping for GCP Global Methane Budget (2017-...)
- Co-lead Bolin Centre for Climate Research: Biogeochemical cycles and climate (2017-2021)
- Core group of WCRP Grand Challenge “Carbon Feedbacks in the Climate System” (2016-...)
- Swedish chair in the International Permafrost Association (IPA) (2016-...)
- Co-chair of the International Soil Carbon Network (2016-2021)
- Scientific Steering Group of the International Soil Carbon Network (2012-....)
- Manager of the Northern Circumpolar Soil Carbon Database (2012-...)
- Co-lead of “Carbon Quantity” working group in the Permafrost Carbon Network (2011-...)

Research projects awarded as principal investigator

- EU Horizon Europe project AI4SoilHealth (2023-2027, 7,100,000 SEK)
- Swedish research council (VR) project grant (2023-2027, 3,600,000 SEK)
- Swedish Traffic Agency (2021-2023. 1,300,000 SEK)
- Swedish research council (VR) project grant (2019-2022, 3,600,000 SEK)
- Formas research council project grant (2019-2021, 3,000,000 SEK, *Declined by applicant*)
- Partner PI in European Space Agency CCI+ Permafrost consortium (300,000 SEK, 2018-2020)
- Work package lead in EU H2020 *Nunataryuk* consortium, (2017-2021, SU budget, 5,200,000 SEK, workpackage budget 12,000,000 SEK)
- INCA: VR and EU Marie Curie *International Career Grant* (2015–2017; 4,600,000 SEK)
- Lead principal investigator and coordinator of the EU Joint Programming Initiative *COUP*-consortium (2014–2017; SU budget, 2,500,000 SEK, total consortium budget 14,000,000 SEK)

- International Permafrost Association Action group (2012–2014; 50,000 SEK)
- Transnational Access project of EU FP7 INTERACT (2011; 120,000 SEK)

Research projects awarded in internal competition or as co-PI

- PI, Stockholm University Licentiate research school student (ca. 800,000 SEK, 2018-2022)
- PI, Blaustein Visiting Associate Professor, Stanford University, (2018-2019, 230,000 SEK)
- Co-PI Moore Foundation Grant: Global Methane Budget (Stanford University, 2016-2020)
- Co-PI of the Swedish Research Council GAP consortium (2013–2017)
- PI from the *Bolin Centre for Climate Research*: (1) RA8 Biodiversity and Climate, funded PhD-student (2,000,000 SEK, 2018). Collaboration and start-up funds total 400,000 SEK since 2017. (3) Grant for the Northern Circumpolar Soil Carbon Database (330,000 SEK, 2012)

Academic leadership and teaching summary

More than ten years of university teaching, at 20-70% of full time, including course responsibility and design, lectures, labs, excursions, seminars and examination.

- Stockholm University, Board of Faculty of Science, reserve member (2021-....)
- Stockholm University, Faculty of Science, Board of stipends (2017-2021)
- Subject responsible for Geosciences bachelor studies at Stockholm University (2018-2021)
- Board of department, Department of Physical Geography (2009-2011), as reserve member (2021-2022) and as full member (2022-...)
- Several courses in academic leadership and supervision

PhD and MSc supervision

- Main supervisor of four PhD projects. Dr. M Siewert graduated in 2016 and Dr. A. Lindgren graduated in 2020. Ongoing PhD projects with, J. Wagner and D. Guasconi and licentiate project with Ms. L. Joandi. Co-supervisor of nine PhD projects, of which three have graduated. Main supervisor for >20 B.Sc. and M.Sc. degree projects.

Outreach experience

- Presentations of cryosphere science on side events at COP-25, COP-26 and COP-27
- Multiple popular science lectures as well as press-releases in association with publications
- Coverage of research results in national and international media (including SVT, SR, DN, The Guardian, Washington Post, New York Times, CNBC etc.)
- Feature articles with personal interviews in national and international media (including Science, Nature, Aftonbladet, ETC, Extrakt, TV4)