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Current position

- 2020 - Associate Senior Lecturer (Universitetslektor/biträdande), Gothenburg University Laboratory for Dendrochronology, Department of Earth Sciences, University of Gothenburg;
- 2020 – 2022 Researcher, Dendrowissenschaften, Swiss Federal Research Institute WSL.

Previous positions

- 2019 – 2020 Research assistant, Department of Earth Sciences, University of Gothenburg. FORMAS-funded project “Safe and Sustainable groundwater-based water supply in Swedish cities and countryside” (project P.I. Prof. Roland Barthel).
- 2015 - 2019: Postdoc position funded by the FORMAS mobility starting grant for young researchers. Home institution: Gothenburg University Laboratory for Dendrochronology, Department of Earth Sciences, University of Gothenburg. Host institution: Université catholique de Louvain (UCL), Earth and Life Institute, Centre de recherches sur la terre et le climat Georges Lemaître
- 2014 - 2015: Postdoc Dendroklimatologie group, Swiss Federal Research Institute WSL.
- 2008 - 2014: Doctoral student position, Department of Earth Sciences, Gothenburg University.

Doctoral degree

Doctor of Philosophy in Natural Science, specializing in Physical Geography, Gothenburg University (date of defence: February 18, 2014). “Late Holocene spatiotemporal hydroclimatic variability over Fennoscandia inferred from tree-rings”, main supervisor: Prof. Hans W. Linderholm, co-supervisors prof. Liu Yu and Dr. Neil Loader.

Leadership assignments

- Vice Director of the Gothenburg Laboratory for Dendrochronology (GULD), 2018-present.

Research grants awarded as a PI – total ~11.3 MSEK

- 2020 Adlerbertska forskningsstiftelsen. “Reconstructing Northern European hydroclimate using dendroanatomy (NEOHYDRO)” (75 000 SEK)
- 2020 - 2023: The Swedish Research Council, starting grant within natural and engineering sciences. “Are droughts part of the new normal for Sweden - integrating proxy data and model simulations for insight into past and future hydroclimate” (3 856 095 SEK).
- 2020 - 2022: Formas annual open call, Research and development projects for early-career researchers. Title: “Bridging paleoclimate records and climate model simulations with a novel model/proxy comparison framework” (2 840 571 SEK).
- 2015 - 2019: Formas annual open call for mobility starting grants for young researcher. Project Title “Hydroclimate in Northern Europe over the past 1000 years: intercomparing and integrating model simulation and proxy data” (4 348 920 SEK).
- 2008 - 2013: Various travel and support grants (Sven Lindqvist Stiftelse, Donationsstipendium GU, Knut & Alice Wallenbergs Stiftelse, Trygghetsstiftelsen, Adlerbertska forskningsstiftelsen, Herbert & Karin Jacobssons Stiftelse, Ångpanneföreningen Research Fund, Stiftelsen Marie Josephine Guillaumes fond, Kurt Belfrages Minnesfond, and Stiftelsen Margit Althins Stipendiefond, etc.) (In total approx. 250 000 SEK).

Research grants, co-applicant

- 2019-2021: XELLCLIM - Benchmarking xylem cell anatomy for tree-ring based climate reconstructions (PI Dr. Georg von Arx, SNSF)
- 2019-2020: Safe and Sustainable groundwater-based water supply in Swedish cities and countryside (PI Prof. Roland Barthel, Formas)
- 2021-2023: Simulation study on influences of natural forcings on decadal change of the Third Pole-East Asia monsoon precipitation (PI Prof. Deliang Chen, STINT)

Supervision (Third-cycle education)

- 2021 - PhD student Petter Stridbeck, Department of Earth Sciences, Gothenburg University (main supervisor)
- 2019 - PhD student Tzu Tung Chen, Department of Earth Sciences, Gothenburg University (co-supervisor)

Supervision BSc and MSc students

- 2020 Felicia Valdemarsson, "För- & postindustriellt sommarklimat i Myrkarby, Brättings haid och Hall-Hangvar - En dendroklimatologisk studie" (University of Gothenburg)
- 2021 Karin Markendahl and Alice De Schutter "Summer temperatures in Scotland reconstructed from high-resolution BI measurements" (KTH Royal Institute of Technology)

International scientific activities (selected)

- Invited Member of the Conference Scientific Committee, 6th Asian Dendrochronology Conference, Lucknow, India (November, 2019).
- Invited Chair of the session "Proxy-model comparison", International Tree-Ring Conference, Thimphu Bhutan (June, 2018).
- Invited Member of the Conference Scientific Committee, International Tree-Ring Conference, Thimphu Bhutan (June, 2018).
- Invited Chair of the session "Dendroecology" in AsianDendro 2015 – 4th Conference on Asian dendrochronology. 9-12 March 2015, Kathmandu, Nepal.
- Visiting scientist, Montana State University, Ecosystem Dynamics Lab (July-August, 2015).
- Invited Teacher at the Field Week during the 9th International Conference on Dendrochronology, January 13-17, 2014, Australia.
- Visiting scientist at the Tree-ring laboratory, Lamont-Doherty Earth Observatory, Columbia University, New York, US (May-August, 2012).
- Visiting scientist at the Department of Geography, Swansea University, Wales, UK (August-September, 2008).
- Visiting scientist at The Institute of Earth Environment, Chinese Academy of Sciences, Xi'an, China (autumn 2008).
- Scientific review assignments for various international journals, ~15 articles/year (Nature, Geophysical Research Letters, International Journal of Climatology, Climate Dynamics, Dendrochronologia, Climate of the Past, Isotopes in Environmental Studies, Theoretical and Applied Climatology, Natural Hazards, Geografiska Annaler, G3 Geochemistry Geophysics Geosystems, Climate Research, Boreas, Palaeogeography Palaeoclimatology Palaeoecology, Journal of Asian Earth Sciences, Science of the Total Environment, etc.).

Pedagogical qualifications:

- Supervision in Postgraduate Programmes (HPE201, 5 HEC). University of Gothenburg, spring 2019.
- Teaching and Learning in Higher Education I, (HPE101, 5 HEC). University of Gothenburg, spring 2013.

Teaching activities (selected courses)

- GV2006 7.5 ECTS, Project in Earth Sciences (Gothenburg University, spring 2021), course coordinator & lecturer. KS has developed the course.
- NG0230 15 ECTS, Climate Change, a Geographical Perspective (Gothenburg University, autumn 2020), lecturer
- GV1410 15 ECTS, Introduction to Earth System Sciences: hydrosphere, biosphere and atmosphere (Gothenburg University, autumn semester 2018, 2020) course coordinator (in 2018) and lecturer
- 10th International Conference on Dendrochronology, pre-conference field week (Bhutan, 2018).
- 2014): assisting students in the field (Tasmania) and in the laboratory.
- NG0220 15 ECTS, Climate Change and Society (Gothenburg University, spring 2011, 2012, 2013, 2014): giving lectures and assisting during a 2-weeks long excursion to China.
- GV0131, 7.5 ECTS, Natural disasters (Gothenburg University, summer 2014): Course coordinator and lecturer

- KÄ1600, 7.5 ECTS, Quaternary paleontology (Gothenburg University, spring 2009, 2010): organizing and teaching the dendrochronological part of the course
- ISTEP: New York Science Expedition, May 29- June 5, 2012 (Lamont-Doherty Earth Observatory, Columbia University): assisting high school students in the field.
- 9th International Conference on Dendrochronology, pre-conference field week (January, 2014): assisting students in the field (Tasmania) and in the laboratory.

Publication Summary (14/1-21)

- 28 Publications in international peer-reviewed journals
- H-index:
 - 17 (Scopus), 912 citations;
 - 19 (Google Scholar, i10-index 24), 1220 citations.