Short CV- Jerker Jarsjö

December 2021

Date of birth: 1969-02-21
Currently at: Dept. of Physical Geography (NG)
(since 2003) Stockholm University (SU), SE-106 91 Stockholm, Sweden
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Academic background
M.Sc. degree: Civil Engineering, the Royal Institute of Technology (KTH), Stockholm, March, 1993.
Ph.D. degree: Water Resources Engineering, KTH, Stockholm, August, 1998.
Post-doctoral position: Centre for Applied Geology, University of Tübingen, Germany, 2000-2002.
Docent in Hydrogeology, December 2008, NG-SU.
Associate professor 2009-2019, NG-SU.
Professor 2019-pres., NG-SU.

Ph.D. student supervision
Completed: 15 students, of which 5 as main supervisor
On-going: 5 students, of which 2 as main supervisor

Undergraduate student supervision
M.Sc. thesis: 34 students, B.Sc. thesis: 24 students

Research projects, since 2011 (1 SEK ≈ 0.1 EUR)

2020-2022. Co-Principal Investigator (CPI) for *Constructed wetlands as flow buffers*, Swedish Environmental Protection Agency, SEK 4,999,740.

2020-2022. CPI for *Development and test of nano-zero-valent iron for in-situ treatment of anoxic arsenic contaminated groundwater,* Swedish Geotechnical Institute SGI, SEK 2,608,000.

2017-2021. CPI for *Hydro-climatic change and large-scale sustainability of ecosystem services of constructed, restored and unmanaged wetlands*, funded through the Bolin Centre for Climate Research, SU, SEK 2,014,000.

2016-2021. Principal investigator (PI) for the Swedish part of the EU Water Joint Programming initiative “Water challenges for a changing world”, Era-Net cofund waterworks 2015: *Legacies of Agricultural Pollutants (LEAP): Integrated Assessment of Biophysical and Socioeconomic Controls on Water Quality in Agroecosystems*, SEK 3,815,000 for the Swedish part (funded through the Swedish Research Council Formas).

2016-2020. Partner in the following two international Centres of Excellence, funded by Nordforsk: (1) REXSAC: *Resource Extraction and Sustainable Arctic Communities,* NOK 28,000,000 (2) CLINF: *Climate-change Effects on the Epidemiology of Infectious Diseases*, NOK 28,000,000

2016-2018. Principal investigator (PI) for *Hydrological transport of contaminants: A timber treatment plant case study*, funded by Telia Company, SEK 600,000.

2014-2016. Co-Principal Investigator (CPI) for *An integrated approach to assess processes controlling transport of metal(oid)s in ground waters from point sources*, funded by the Geological Survey of Sweden, SEK 1,150,000.

2012-2015. CPI for *Basin-scale hydrological spreading of pollutants and wetland opportunities for reducing them under different hydroclimatic and other regional conditions*, funded by the Swedish Research Council Formas, SEK 5,395,000.

2011-2016. PI for *Two-phase flows during re-saturation of sparsely fractured bedrock and bentonite around canisters for deep storage of spent nuclear fuel*, funded by the Swedish Nuclear Fuel and Waste Management Co (SKB), awarded in June, 2011, SEK 4,000,000.

Miscellaneous

- *Elected vice Dean of the Section for Earth and Environmental Sciences* (comprising Dept, Physical Geography, Dept Geological Sciences and Dept Environmental Science and Analytical Chemistry), Stockholm University (SU), 2018-2020.
- *Head director of studies*, Department of Physical Geography (NG), SU (2018 – pres).
- *Deputy Head of the Department*, NG-SU, 140 employees, 2014-2015
- *Acting Head of the Department*, NG-SU, 140 employees, 2016.
- Appointment as a *Stockholm University elector*, selecting and voting for members of the Scientific Board of the Swedish Research Council Formas for the period 2019-2021.
- *Research Unit Responsible for Hydrology, Water Resources and Permafrost*, NG-SU, 2016-2017.
- *Congress co-chair and member of the local organizing committee,* 6th International Congress on Arsenic in the Environment, As2016 (about 250 participants).
- *Editorial Board Member,* Geography, Environment, Sustainability Journal, 2014-pres.
- *Editorial Board Member,* Water, 2018-pres.
- *Other board memberships and Committee memberships:*
  The board of the Department, Dept. Physical Geography, SU, 2009-pres; *the Committee for undergraduate education* at the Faculty of Science, SU, 2018-pres.; *the Board of science at the Faculty of Science*, SU, 2018-2020; *the Recruitment board for teacher positions at the Section for Earth and Environmental Sciences*, SU 2019-2020; *the Science Advisory Group*, the Bolin Centre for Climate Research, 2013-2017; *the (Gender) Equality Committee* at NG, SU, 2017-pres.; *the Swedish National Committee for Geology*, the Royal Swedish Academy of Sciences (KVA), 2006-2014; *the board of the National Day of Geology*, 2006-2014.
- *Referee assignments*
  - Reviewer, scientific journals (~5 assignments per year), e.g. for Ambio, Environmental Earth Sciences, Global and Planetary Change, Hydrogeology Journal, Hydrology and Earth System Sciences (HESS), JGR Atmospheres, Journal of Hydrology, Journal of Contaminant Hydrology, Regional Environmental Change, Science of the Total Environment, Water.
  - Employment as Senior Lecturer at Water and Environmental Studies, Linköping University, Sweden (dnr LiU 2014-01085), 2014.
  - Employment as Associate Professor (Universitetslektor) in environmental chemistry specializing in non-polar contaminants, Department of Environmental Science and Analytical Chemistry (ACES), SU (SU FV-0916-17); Review of teaching proficiency, 2017.
  - Grant application reviewer, The Swedish International Development Cooperation Agency (SIDA)
- *Appointed opponent for public PhD defences* (2 dissertations) and *member of PhD examination committee* (14 dissertations)

Bibliometry

- *Google Scholar:* 200 publications, h-index 33, i10-index 68, 3027 citations (1870 since 2016), https://scholar.google.com/citations?user=Ty3uqIoAAAAJ&hl=en&oi=ao
- *Scopus:* 103 publications, h-index 28, 2028 citations