

CURRICULUM VITAE - Berit Arheimer

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ACADEMIC TITLES

2007: Associate Professor (Docent) in Water and Environmental Studies, Linköping University
 1999: Ph. Doctoral degree in Water and Environmental Studies, Linköping University
Thesis: Riverine Nitrogen – analysis and modelling under Nordic conditions.
 1991: B.Sc. in Geosciences, Lund University.
LANGUAGES: Swedish (mother tongue), English (excellent), French (fair), Spanish (poor)

CURRENT EMPLOYMENT

Head of Hydrological Research, Swedish Meteorological and Hydrological Institute. (2000 -).

WORK TASKS

- Scientific leader in issues of: Integrated catchment modelling world-wide, Hydrological forecasting, Water quality management, and Climate change impact on water resources.
www.smhi.se/hydrology-research
- Developing support to operational hydrology (early warning services and consultancy).
- Personnel and economic responsibility for some 30 employees (including fund raising).

PREVIOUS EMPLOYMENTS

1997-2000 Researcher at the Swedish Meteorological and Hydrological Institute (SMHI)
 1991-1996 Doctoral Candidate and Research Assistant at the Linköping University, LiU
Maternal leave:
 1999-2000 10 months maternal leave
 1994-1995 8 months maternal leave

PRODUCTS: Operational Water & Climate Services with Public Access to Open Data

Initiating, Developing and Maintaining computational systems, which delivers decision support
 2019- Climate-science basis for Green Climate Fund projects <https://climateinformation.org/>
 2015- Copernicus Climate Change Service (C3S) – Water indicators <http://swicca.eu/>, Global impacts <http://climateservice-global.eu/> and Water Management <https://climate.copernicus.eu/node/240>
 2010 - HYPE open data, open source code and subscription service: <http://hypeweb.smhi.se/>
 2008 - S-HYPE and Water info-web for Swedish water managers and reporting to the EU Water Framework Directive: <http://vattenwebb.smhi.se/>
 2001 - SMED vatten / Swedish Environmental Emission Data for international reporting to HELCOM and OSPAR: <http://www.smed.se/vatten>

SOME MAJOR PROJECTS the last 5 years

C3S_424_SMHI (2018-2021) – Operational water-sectorial information service. *Role:* Coordinator 2018-2019; *Funding:* Copernicus/ECMWF, 1.5 Million Euro over 3 years, 2 partners.
FANFAR (2018-2020) – Operational flood forecasting and alerts in west Africa. *Role:* Coordinator 2018; *Funding:* EU H2020 (Grant No. 780118), 2.2 Mill Euro over 3 years, 6 partners (+17 nations).
AQUACLEW (2017-2020) - Advancing the Quality of Climate Services for European Waters. *Role:* Coordinator 2017-2019; *Funding:* EU JPI (Grant No.690462), 2.1 Mill Euro over 3 years, 8 partners.
C3S_422_Lot1_SMHI (2017-2019) – Global users in the Copernicus climate change service. *Role:* Coordinator; *Funding:* Copernicus/ECMWF, 2.5 Million Euro over 1.5 years, 15 partners +10 in kind.
C3S_441_Lot1_SMHI (SWICCA, 2015-2018) – Service for Water Indicators in Climate Change Adaptation; *Role:* Coordinator; *Funding:* Copernicus/ECMWF (Ref: C3S 441 Lot 1), 1.6 Million Euro over 2 years, 14 partners (of which 3 in kind).
SWITCH-ON (2013-2017) - Sharing Water-related Information to Tackle Changes in the Hydrosphere - for Operational Needs; *Role:* Coordinator; *Funding:* EU FP7 (Grant Agreement No. 603587), 7.8 Million Euro over 4 years, 15 partners.
CLEO (2010-2015) - Climate change and Environmental Objectives; *Role:* Management group and Cluster (WP) leader, project leader; *Funding:* Swedish EPA, 40 milj SEK over 6 years, 6 partners.
HYDROIMPACTS2.0 (2010-2014) - Strategic research of climate change impact on hydrology; *Role:* Coordinator; *Funding:* Swedish research council FORMAS, 20 milj SEK over 5 years, 3partners

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INTERNATIONAL and NATIONAL ASSIGNMENTS

World Meteorological Organisation (WMO):

- Member of the Executive Council panel of experts on Polar Observations, Research and Services, EC-PORS (2012 -); and Arctic-HYCOS working team (2013 -), HydroSOS (2018-).
- Rapporteur for the Working group on hydrology, RA VI , Europe (1999-2001)

International Association of Hydrological Sciences (IAHS):

- Swedish representative in the IAHS council (2004 -)
- Member of IAHS task force for new scientific theme of the decade (2013-2022).
- Chair of Election Panel (2015) and Member in scientific committee of PUB theme (2010-2012)
- Vice-president (2007-2012) of the scientific commission on water quality (ICWQ) and President-elect (2012-2013). President Elect of IAHS 2019-2021 (*to be President 2021-2025*).

UNESCO International Hydrological Programme (IHP):

- Swedish representative of the IHP intergovernmental council, Paris (2012-2013).
- Delegate in the Swedish IHP committee and the Swedish expert group of UNESCO scientific programmes of the Swedish Research Council (2008-2013).
- Chair of the Swedish IHP committee (2008-2009).

Convention for the Protection of the Marine Environment of the North-East Atlantic (OSPAR):

- Chair of the permanent intergovernmental Working Group on pollution Inputs to the Marine Environment, INPUT (2011-2013)

European Commission:

- Participation in the EU-projects: BALANS, EUROHARP, HARMONQUA, CLARIS2, GENESIS, GEOLAND2, MYOCEAN, OPERR, SIRIUS, ECLISE, SAWA, CPA, SUDPLAN, BALTADAPT, IMPACT2C, CRYOLAND, JERICO, EUPORIAS, SWITCH-ON, SOILS2SEA, IMPREX, AQUACLEW, FANFAR, etc.
- Delegate in the EU Cost Action No. 869 “Mitigation options for nutrient reduction in surface and groundwater” (2007-2011).
- Annual reviewer of the EU project EUROLIMPACS (FP6) regarding progress of work by 57 partners and working plans (2007-08).

Royal Swedish Academy of Sciences (KVA):

- Delegate of the Swedish national committee of Geophysics, SNG (2004 -)
- Member of the Local Organising Committee for IAHS, IAPSO, IASPEI General Assemblies in Gothenburg 2013, conference: “Knowledge for the future” (2011-2013).

Global Energy and Water Exchanges, GEWEX:

- Baltic Sea Experiment (BALTEX) scientific steering committee (2009-2012)
- Member of writing team for the Implementation Plan (2004)

Helsinki Commission (HELCOM):

- Swedish expert in the working group MINDEC88 (2000-2001)

OTHER SCIENTIFIC RECORDS

- Award: the Darcy medal of the European Geoscience Union (EGU) 2021.
- Author or co-author of 87 per-reviewed scientific papers in international journals and >100 reports or international conference proceedings (some per-reviewed). Editor of the book: “Understanding fresh-water quality problems in a changing world” *IAHS press publ. 361 (2013)*
- H-index = 35 according to Web of Science (June 2020)
- Presentations of scientific results at some 80 international conferences (some invited/Key-notes).
- Scientific referee for the international journals: e.g. *Ambio*, *Aquatic Sciences*, *Biogeochemistry*, *Hydrobiologia*, *Hydrological Processes*, *Hydrological Sciences J.*, *Nordic hydrology*, *J. Environmental Quality*, *J. Hydrology*, *J. the Total Environment*, *J. the American Water Resources Association*, *Biogeochemistry*, *HESS*, *WRR*, etc.
- Examiner in some 10 Dissemination Boards for Doctoral degree at Swedish/EU Universities.
- Holder of research grants from Swedish EPA, Swedish Space Board, Municipal Studies Center (CKS), Swedish Strategic Environmental Research Fund (MISTRA), FORMAS, VR, Swedish waterpower centre (SVC), ESA, and EU 4th, 5th and 7th FP, H2020 and for R&D, EUCopernicus.
- Co-supervisor for doctoral candidate M.Sc. Joakim Riml at the Royal Institute of Technology, Stockholm, together with Professor Anders Wörman (period: 2007-2015). Awarded 2015.
- Post-Docs: Dr. Temnerud (2012-2014), Dr Traoe, Dr Kuentz (2014-2016), Dr Pinedas, Dr. Hassan, Dr Crochemore, Dr Leiva Pimentel (2016-2018), Dr de Lavanne, Dr Santos (2018-2020).