

CURRICULUM VITAE - 2019



Kristina Isberg

Date of birth 06/06/70

SMHI

Folkborgsvägen 1
S-601 76 Norrköping
SWEDEN

✉ kristina.isberg@smhi.se

☎ +46 – 11 – 495 80 00

CURRENT EMPLOYMENT

Research Scientist, SMHI, Norrköping, SWEDEN

01/06/10 –

Research Scientist at the Hydrological Research department.
(Hydrological Modelling/Calibration, Setting up large scale multi basin HYPE models, World-wide HYPE set up maintenance, HYPE course leader, GIS, WHIST, documentation, quality assurance, wiki maintenance).

Employment history

Quality Engineer, Vitamex Production AB, Norrköping, SWEDEN

19/03/09 – 10/07/09

Deputy Quality Engineer (according to GMP) during four months.

Brochure Designer, SHR (Svenska Hydrologiska Rådet).

01/11/08 – 22/03/09

Designed a brochure about transboundary water for SHR to the World Water Day in Sweden 2009.

Analysis Specialist, NOSS, Norrköping, SWEDEN

01/05/02 - 05/12/08

(Quality assurance / ISO-standardization, Method Development, Experimental Design/ Optimization).

Sensory Assessment Leader, Arla Foods Innovation, Stockholm, SWEDEN

1/12/99 – 01/05/02

(Leader of sensory tasting panel, Recruitment and education of new panel members, Microscopy / Image analysis, Method development / Standardization)

Research Scientist, STFI (Swedish Pulp and Paper Research Institute), Stockholm, SWEDEN

16/10/95 – 30/11/99

(Chemical Analysis, Method Development / Investigations, Experimental Design, Optimization, Multivariate Data Analysis, fingerprinting of harmful bacteria occurring in pulp and paper, Diploma work supervisor.)

EDUCATION

1990-1995 **Master of Science in Chemistry, 270 ects, Programme in Mathematics – Natural Science, Uppsala University, SWEDEN**

DIPLOMA WORK 30 ects, Free University, Amsterdam, Netherlands

1998-1999 **Leadership training, 25 days, STFI, Stockholm**

2008 **Water, Climate and Atmosphere 10 ects, Uppsala University**

2008 **Geographic Information Systems 1 - Scientific data 7.5 ects, Umeå University**

2009 **Environmental Science 7.5 ects, Växjö University**

2010 **Geographic Information Systems 2 - Scientific data 7.5 ects, Umeå University**

2010 **Pollution of Marine Environment 7.5 ects, University of Gothenburg**

2010 **Swedish Environmental Law 7.5 ects, Umeå University (not finished yet)**

CURRICULUM VITAE

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LANGUAGES

Swedish – mother tongue

English – good

German – fair

PUBLICATIONS

I am co author to some publications about continental to world-wide, arge scale, hydrological modelling.

Peer-reviewed scientific articles

Arheimer, B., Pimentel, R., Isberg, K., Crochemore, L., Andersson, J. C. M., Hasan, A., and Pineda, L. (2020): *Global catchment modelling using World-Wide HYPE (WWH), open data and stepwise parameter estimation*, Hydrol. Earth Syst. Sci. DOI: <https://doi.org/10.5194/hess-24-535-2020>

L. Crochemore, K. Isberg, R. Pimentel, L. Pineda, A. Hasan & B. Arheimer (2019): *Lessons learnt from checking the quality of openly accessible river flow data worldwide*, Hydrological Sciences Journal, DOI: <https://doi.org/10.1080/02626667.2019.1659509>

MacDonald, M. K., Stadnyk, T. A., Déry, S. J., Braun, M., Gustafsson, D., Isberg, K., and Arheimer, B. (2018): *Impacts of 1.5°C and 2.0°C warming on pan-Arctic river discharge into the Hudson Bay Complex through 2070*, Geophysical Research Letters, 45(15), 7561-7570

Vesakoski J-M., Nylén, T., Arheimer, B., Gustafsson, D., Isberg, K., et. Al. (2017): *Arctic Mackenzie Delta channel planform evolution during 1983-2013 utilising Landsat data and hydrological time series*. Hydrological Processes, in Press. <https://doi.org/10.1002/hyp.11315>

Donnelly, C., Rosberg, J., and Isberg, K., (2013) *A validation of river routing networks for catchment modelling from small to large scales*. Hydrology Research, 44(5), 917–925.. DOI:10.2166/nh.2012.341

Kok, S. J., Isberg, I.C.K., Gooijer, C., Brinkman, U.A.Th., & Velthorst, N. H. (1998). *Ultraviolet laser-induced fluorescence detection strategies in capillary electrophoresis: determination of naphthalene sulphonates in river water*. Analytica chimica acta, 360 (1), 109-118.

Popular scientific articles

Isberg, K., Arheimer, B. and Donnelly, C. (2012). *Hydrological Model for Water Management and Implementation for European Directives*. From the publication: "The growing use of GMES across Europe's regions" published by NEREUS och ESA.