Curriculum Vitae

Name	Bodil <u>Charlotta</u> Pers
Birthdate	April 23, 1971
Nationality	swedish

Examina and employment

2000-   Researcher at Swedish Meteorological and Hydrological Institute, Norrköping, tasks: responsible for the hydrological model code (HYPE), research and development on hydrological processes and modelling

2000   Ph.D at the Department of Water and Environmental Studies, Linköping University. Supervisor: Professor Lars Rahm.

1995   Master of Science in Applied physics and electrical engineering, Linköping University

Recent peer-reviewed publications

Ahmed, M.I., Shook, K., Pietroniro, A., Stadnyk, T., Pomeroy, J.W., Pers, C., and Gustafsson, D., 2023. Implementing a parsimonious variable contributing area algorithm for prairie pothole region in the HYPE modelling framework. Environmental Modelling and Software, doi: DOI: 10.1016/j.envsoft.2023.105769

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objective calibration using discharge and sediment data. Hydrological Processes 36(12). DOI: 10.1002/hyp.14767

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Strömbäck, L., Pers, C., Strömqvist, J., Lindström, G., and J. Gustavsson, 2019. A web based analysis and scenario tool for eutrophication of inland waters for Sweden and Europe. Environmental Modelling & Software, 111:259-267, DOI: 10.1016/j.envsoft.2018.07.012

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Pers, C., Temnerud, J. and G. Lindström, 2016. Modelling water, nutrients, and organic carbon in forested catchments: a HYPE application. Hydrological Processes, 30(18):3252-3273, DOI:10.1002/hyp.10830.

Arheimer, B., and B.C. Pers, 2016. Lessons learned? Effects of nutrient reductions from constructing wetlands in 1996-2006 across Sweden. Ecological Engineering, DOI: 10.1016/j.ecoleng.2016.01.088.

Yin, Y., Jiang, S., Pers, C., Yang, X., Liu, Q., Yuan, J., Yao, M., He, Y., Luo, X., Zheng, Z., 2016. Assessment of the Spatial and Temporal Variations of Water Quality for Agricultural Lands with Crop Rotation in China by Using a HYPE Model. Int. J. Environ. Res. Public Health, 13(3), 336. DOI: 10.3390/ijerph13030336

Winterdahl, M., H. Laudon, S. W. Lyon, C. Pers, and K. Bishop, 2016. Sensitivity of stream dissolved organic carbon to temperature and discharge: Implications of future climates, J. Geophys. Res. Biogeosci., 121, 126–144, DOI:10.1002/2015JG002922.

Recent other publications

Ivarsson, C.-L., Olsson, J., Pers, C. and Y. Hundecha, 2017. High-resolution ensemble flood forecasting: A case study in Höje å, Sweden, Vatten - Journal of Water Management and Research 73: 85–92.

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Ahmed, Mohamed Ismaiel, Shook, Kevin, Pietroniro, Alain, Stadnyk, Tricia, Pomeroy, John W., Pers, Charlotta, & Gustafsson, David, 2022. Implementing A Parsimonious Variable Contributing Area Algorithm for Prairie Pothole Region in the HYPE Modelling Framework. In Environmental Modelling & Software (Version 1). Zenodo. https://doi.org/10.5281/zenodo.7221439