Curriculum Vitae

Name	Bodil Charlotta 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

Elenius, M., Pers, C., Schützer, S., Lindström, G., and B. Arheimer, 2025. Where can rewetting of forested peatland reduce extreme flows? - Model experiment on the hydrology of Sweden. Hydrology Earth and System Science, 29:4307-4325. Doi: https://doi.org/10.5194/hess-29-4307-2025

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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Sternberg Lewerin, S., Sokolova, E., Wahlström, H., Lindström, G., Pers, C., Strömqvist, J., and K. Sörén, 2020. Potential infection of grazing cattle via contaminated water - a theoretical modelling approach, Animal: An International Journal of Animal Bioscience. First view: DOI: 10.1017/S1751731118003415.

Hankin, B., Strömqvist, J., Burgess, C., Pers, C., Bielby, S., Revilla-Romero, B., and L. Pope, 2019. A New National Water Quality Model to Evaluate the Effectiveness of Catchment Management Measures in England. Water 2019, 11, 1612. DOI: 10.3390/w11081612

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

Sokolova, E., Lindström, G., Pers, C., Strömqvist, J., Sternberg Lewerin, S., Wahlström, H., and K. Sören, 2018. Water quality modelling: microbial risks associated with manure on pasture and arable land. Journal of Water and Health, 16(4): 549-561, DOI: 10.2166/wh.2018.278.

Olsson, J., Pers, B.C., Bengtsson, L., Pechlivanidis, I., Berg, P., and H. Körnich, 2017. Distance-dependent depth-duration analysis in high-resolution hydro-meteorological ensemble forecasting: a case study in Malmö City, Sweden. Environmental Modelling and Software. 93:381-397, DOI: 10.1016/j.envsoft.2017.03.025.

Recent other publications

Temnerud, J., Pers, C., and H. Verheijen, 2024. Vidareutveckling av kolmodell i S-HYPE2022a. SMED Rapport Nr 10 2024. SMHI. ISSN: 1653-8102.

Strömqvist, J., Elenius, M., Lindström, G., Pers, C., and J. Temnerud, 2022. Beräkning av näringsämnestillförsel till ytvatten och retention i sjöar och vattendrag för PLC8-rapportering. SMED Rapport Nr 24 2022. SMHI. ISSN: 1653-8102.

Bishop, K., Hjerdt, N., Huseby-Karlsen, R., Isberg, K., Lindström, G., Nijp, J., Pers, C., Schützer, S., Strömqvist, J., Temnerud, J., & Teutschbein, C. 2024. EviWet: Evidensbaserat beslutsstöd för våtmarkers hydrologiska ekosystemtjänster. Rapport 7144. Naturvårdsverket. https://www.naturvardsverket.se/publikationer/7100/978-91-620-7144-8/

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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