BARBARA STROBL

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EDUCATION

Ph.D. researcher at the University of Zurich, Department of Geography, Hydrology and Climate group; supervised by Prof. Dr. Jan Seibert and Dr. Ilja van Meerveld on the topic *"Quality of Crowdsourced Water Level Observations"*	04/2016 - present
Master's (double) degree: Natural Resources Management and Ecological Engineering at the University of Natural Resources and Life Sciences in Vienna, Austria and Lincoln University in Lincoln, New Zealand	10/2012 - 06/2015
Bachelor's degree: Environmental System Sciences with a specialization in Hydrology and Geography at the Karl-Franzens University in Graz, Austria with a semester abroad at the Universidad de Santiago de Chile in Santiago, Chile	10/2009 - 08/2012
Matura (high school final exam) at Bundesgymnasium Nonntal in Salzburg, Austria with a semester abroad at the Geraldine High School in Geraldine, New Zealand	06/2008

PUBLICATIONS

- Etter, S., **B. Strobl,** J. Seibert, and H.J. van Meerveld (2020), Value of crowd-based water level class observations for hydrological model calibration, *Water Resources Research*, https://doi.org/10.1029/2019WR026108.
- **Strobl, B.**, S. Etter, H.J. van Meerveld, and J. Seibert (2019), The CrowdWater Game: a playful way to improve the accuracy of crowdsourced water level class data, *PLoS One*, https://doi.org/10.1371/journal.pone.0222579.
- Seibert, J., H.J. van Meerveld, S. Etter, **B. Strobl**, R. Assendelft, and P. Hummer (2019), Wasserdaten sammeln mit dem Smartphone – Wie können Menschen messen, was hydrologische Modelle brauchen?, *Hydrologie & Wasserbewirtschaftung*, https://doi.org/10.5675/HyWa_2019.2_1.
- Seibert, J., **B. Strobl**, S. Etter, P. Hummer, and H.J. van Meerveld (2019), Virtual staff gauges for crowd-based stream level observations, *Front. Earth Sci. – Hydrosphere*, https://doi.org/10.3389/feart.2019.00070.
- **Strobl, B.**, S. Etter, H.J. van Meerveld, and J. Seibert (2019), Accuracy of crowdsourced streamflow and stream level class estimates, *Hydrological Sciences Journal, Special Issue: Hydrological Data: Opportunities and Barriers*, https://doi.org/10.1080/02626667.2019.1578966.
- Etter, S., **B. Strobl**, J. Seibert, and H.J. van Meerveld (2018), Value of uncertain streamflow observations for hydrological modelling, *Hydrol. Earth Syst. Sci.*, https://doi.org/10.5194/hess-22-5243-2018.

- Kampf, S., **B. Strobl**, J. Hammond, A. Anenberg, S. Etter, C. Martin, K. Puntenney-Desmond, J. Seibert, and H.J. van Meerveld (2018), Testing the waters: Mobile apps for crowdsourced streamflow data, *Eos*, https://doi.org/10.1029/2018EO096355.

MANUSCRIPTS IN PROGRESS

- **Strobl, B.**, S. Etter, H.J. van Meerveld, and J. Seibert (preprint), Training citizen scientists through an online game developed for data quality control, *Geoscience Communication*, https://doi.org/10.5194/gc-2019-26.
- Etter, S., **B. Strobl,** J. Seibert, and H.J. van Meerveld (in review), What motivates people to participate in environmental citizen science projects?, *Citizen Science: Theory and Practise*.
- van Emmerik, T., J. Seibert, **B. Strobl**, S. Etter, T. den Oudendammer, M. Rutten, and I. (H.J.) van Meerveld (in review), Crowd-based observations of riverine macroplastic pollution, *Frontiers in Earth Science - Hydrosphere*.
- Etter, S., **B. Strobl,** I. (H.J.) van Meerveld, and J. Seibert (in review), Accuracy of crowd-based waterlevel class observations, *Hydrological Processes*.

SELECTED CONFERENCE CONTRIBUTIONS

- **Strobl, B.**, S. Etter, I. (H.J.) van Meerveld, and J. Seibert (2019), The CrowdWater Game: A Playful Method for Data Quality Control and Training, *American Geophysical Union Fall Meeting*, San Francisco, USA.
- **Strobl, B.**, S. Etter, I. van Meerveld, and J. Seibert (2019), Stream level observations by citizens for water resources monitoring, *European Geosciences Union Conference*, Vienna, Austria.
- **Strobl, B.**, S. Etter, I. van Meerveld, and J. Seibert (2018), An online game to improve crowdsourced stream level class data, *Citizen Observatories for Natural Hazards and Water Management Conference*, Venice, Italy.
- Seibert, J., **B. Strobl**, E. Etter, and I. van Meerveld (2018), CrowdWater – Können Menschen messen was hydrologische Modelle brauchen?, *Tag der Hydrologie*, Dresden, Germany.
- **Strobl, B.**, S. Etter, I. (H.J.) van Meerveld, and J. Seibert (2017), How accurately can citizen scientists observe hydrologic quantities?, *Citizen Science Association Conference*, St. Paul, USA.