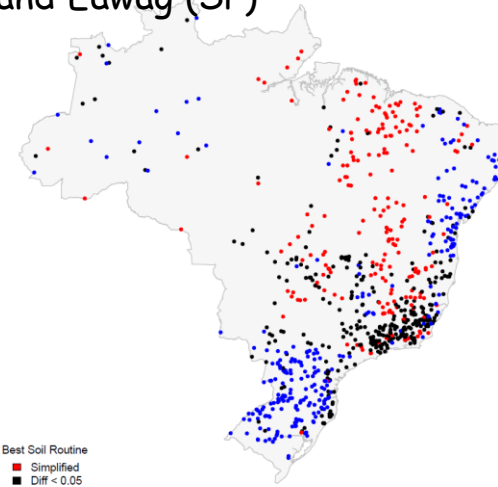
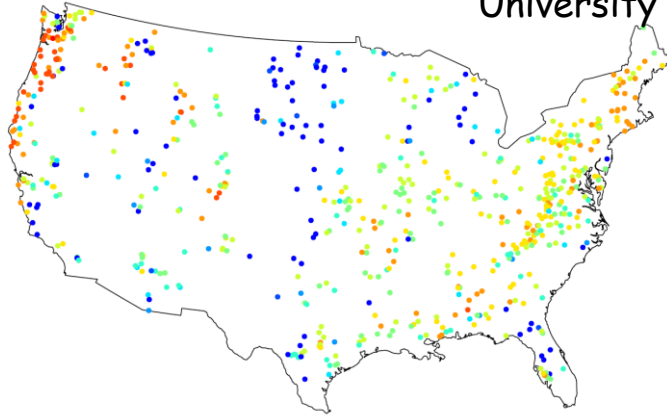
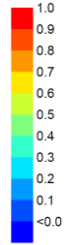


A few hundred catchments later – lessons from modelling large samples of catchments around the globe

Jan Seibert, Marc Vis, Sandra Pool
University of Zurich (JS&MV) and Eawag (SP)

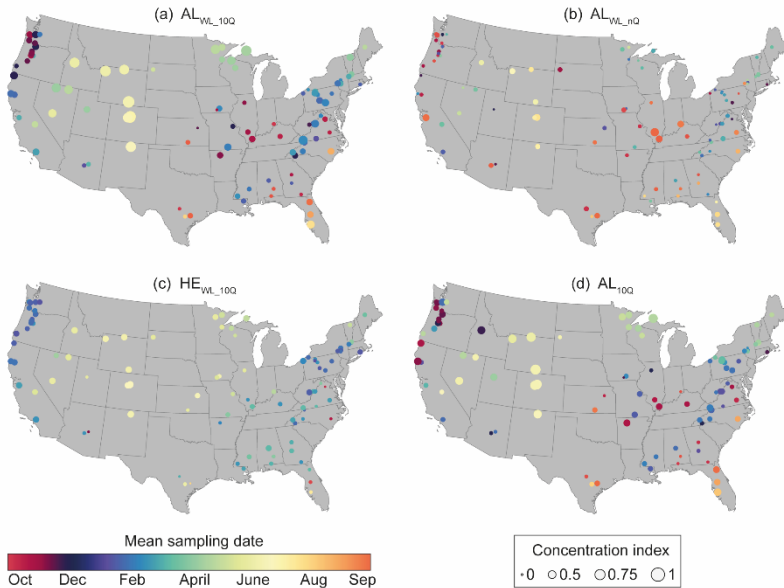


Blue: Normal soil routine better
Red: Simplified soil routine better
Black: No difference

Performance of an uncalibrated bucket type model (NSE)

Seibert J, Vis MJP, Lewis E, van Meerveld HJ, 2018. Upper and lower benchmarks in hydrological modelling. Hydrological Processes. ;1–6. Doi: 10.1002/hyp.11476

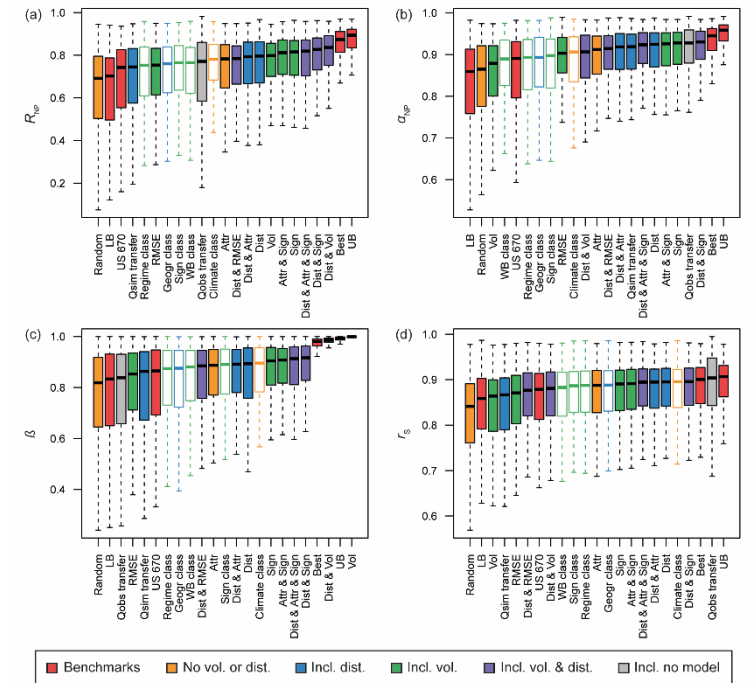
Best Soil Routine
■ Simplified
■ Diff < 0.05
■ Normal



Seasonal distribution of most informative point discharge observations

Pool, S. & Seibert, J., 2021. Gauging ungauged catchments – Active learning for the timing of point discharge observations in combination with continuous water level measurements, Journal of Hydrology, Video-version: <https://tube.switch.ch/videos/ul1E8QRjAr>

Regionalisation of model parameter values for the CAMELS-US catchments Pool et al., in review



Legend for regionalisation: ■ Benchmarks, ■ No vol. or dist., ■ Incl. dist., ■ Incl. vol., ■ Incl. vol. & dist., ■ Incl. no model