

The theme of the STAHY 2023 Workshop is to combine statistical hydrology with machine learning and to advance hydrological sciences. My key takeaway is that the inclusion of machine learning has reduced the uncertainties associated with the prediction of hydrological processes along with other advantages. However, reflecting on the theme Dr. Stacey Archfield and Prof. Auroop Ganguly created a dialogue by asking the community "Is parsimony still alive? This is important as most of the studies attempt to improve accuracy with multiple parameters where the objective of developing parsimonious models is fading out. In response, Prof. Sankar Arumugam said "Adding more predictors makes more sense as long as we are in the zone of generalization". It's a great learning for me!! and incredibly grateful to present my research work. Many thanks to SYSTA - Sivapalan Young Scientist Travel Award and IAHS for supporting my participation.