

Interactive comment on “Statistical bias correction for climate change impact on the basin scale precipitation in Sri Lanka, Philippines, Japan and Tunisia” by C. T. Nyunt et al.

Anonymous Referee #2

Received and published: 19 April 2016

References to be appended:

Cai, J.-J., deHaan, L. and Zhou, C.: Bias correction in extreme value statistics with index around zero. *Extremes* 16 (2), 173–201, 2013.

IPCC,: *Climate Change: The Scientific Basis*. Cambridge University Press, Cambridge and New York, NY, USA, p. 996, 2001.

Onyutha, P. , and Willems, P.: Uncertainty in calibrating generalised Pareto distribution to rainfall extremes in Lake Victoria basin. *Hydrology Research*, 46 (3) 356-376, 2015.

Onyutha, C., Tabari, H., Rutkowska, A., Nyeko-Ogiramoi, P., and Willems, P.: Comparison of different statistical downscaling methods for climate change rainfall projec-

[Printer-friendly version](#)

[Discussion paper](#)



tions over the Lake Victoria basin considering CMIP3 and CMIP5. *Journal of Hydro-environment Research* 12 (C), 31–45, 2016.

Sunyer, M.A., Madsen, H., and Ang P.H.: A comparison of different regional climate models and statistical downscaling methods for extreme rainfall estimation under climate change. *Atmospheric Research* 103, 119–128, 2012.

Sunyer, M. A., Hundecha, Y., Lawrence, D., Madsen, H., Willems, P., Martinkova, M., Vormoor, K., Bürger, G., Hanel, M., Kriaučiūnienė, J., Loukas, A., Osuch, M., and Yücel, I.: Inter-comparison of statistical downscaling methods for projection of extreme precipitation in Europe. *Hydrology and Earth System Sciences*, 19, 1827-1847, 2015.

Zhao, N., Yue, T., Zhou, X., Zhao, M., Liu, Y., and Du, Z.: Statistical downscaling of precipitation using local regression and high accuracy surface modeling method. *Theoretical and Applied Climatology*. DOI: 10.1007/s00704-016-1776-z, 2016.

Willems, P., and Vrac, M.: Statistical precipitation downscaling for small-scale hydrological impact investigations of climate change. *Journal of Hydrology*, 402, 193–205, 2011.

[Interactive comment on Hydrol. Earth Syst. Sci. Discuss., doi:10.5194/hess-2016-14, 2016.](#)

[Printer-friendly version](#)

[Discussion paper](#)

