# A comparative study of uncertainty, originating from bias correction and other sources, in scenario discharge time series

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A Hearter bias correction is performed on 2081 to 2100 temperature and precipitation fields from three different GCMs and two different scenarios. For each GCM, four non-overlapping consecutive decadal calibration periods of past climate are used to derive 4 different sets of bias correction parameters. The result is a 24 member ensemble of 20 year simulations. These are used to force the MPI land-surface model from which we extract a 15 year time series of discharge for 5 large catchment areas. The spread in statistical moments of discharge values is analyzed. Spread deriving from the choice of decadal period used to drive the bias correction parameters is compared with the spread deriving from choice of GCM and scenario.