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## Cooperative Project

**CBRFC & CDC (Climate Diagnostics Center)**

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### Objective:

**Produce improved river forecasts by utilizing precipitation and temperature derived from the MRF meteorological model as input to the NWS Extended Streamflow Prediction forecast system for the first 14 days in lieu of using historical climatology.**

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### Method:

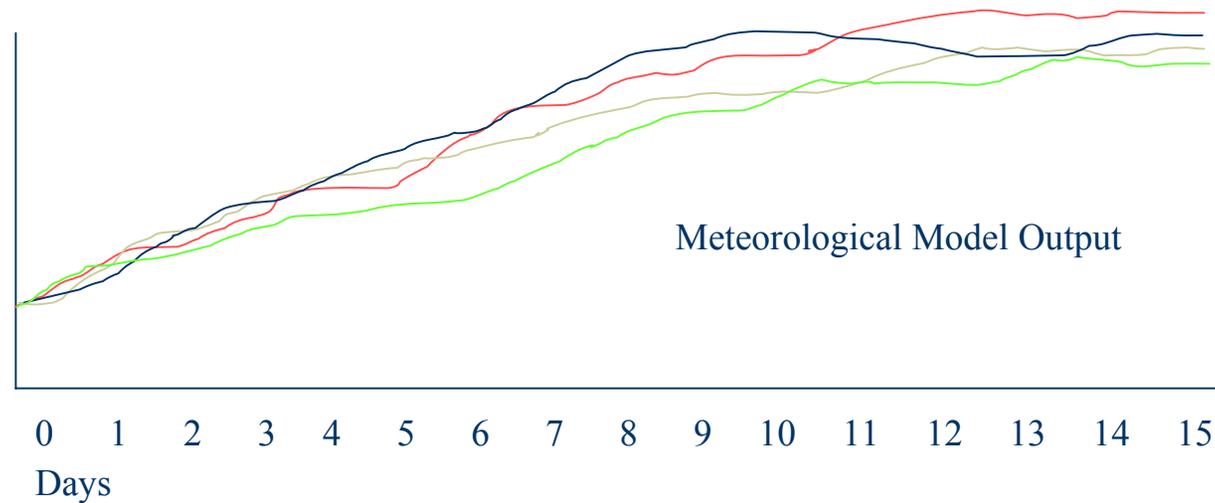
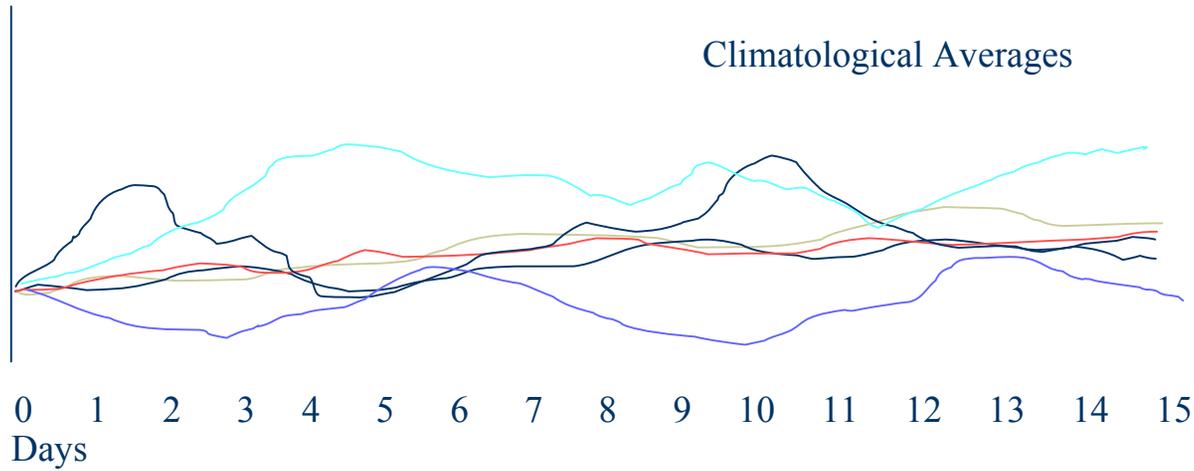
**Mean areal precipitation (MAP) and mean areal temperature (MAT) will be calibrated to a frozen version of the MRF by using historical MAPs/MATs and historical output from the MRF model.**

### Operations:

**CDC will provide a daily 16 member ensemble set of MAPs and MATs for all areas within a basin. The ensemble forecasts will be in 6 hour increments and go out for 14 days. They will be used in ESP.**

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