

## MODELING: REALISTIC EXPECTATIONS, DOWNSCALING PROCESS

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### **Abstract**

Regional or local-scale climate change modeling assessments currently require starting with a global climate model, then downscaling to the region or scale of interest (a watershed, ecosystem, or urban area for example). How should global models be chosen for such assessments, and what effect do such choices have? What criteria can be used to evaluate the model output and what are the limits of predictability? This discussion will be led by one of the leading climate modelers, Dr. Ben Santer of Lawrence-Livermore National Laboratory .