



Are there specific large scale atmospheric patterns for local extremes?

A. Spekat, F. Kreienkamp, and W. Enke

Climate and Environment Consulting Potsdam GmbH, Potsdam, Germany (arne.spekat@cec-potsdam.de)

It is a valid question, if there is a traceable link between large scale atmospheric features and local extremes. This requires the pursuit of two paths: (i) identifying an adequate method for devising atmospheric patterns (ii) identifying adequate extreme local properties for which a link to the patterns might exist. First results using one subjective and two objective circulation classifications to describe numerous different extremes such as surpassing specific extreme thresholds of climate parameters will be presented. A rationale for deriving new, extreme-related patterns will be given.