



Alternative methods for the visualization of climate data

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The field of climate and climate impact research produces a wide range of heterogeneous data sets to be analyzed and presented. Visualization research – on the other hand - has produced a large number of new visualization techniques and tools in the last decades. However, in typical climate research processes, the number of actually applied visualizations is strongly restricted by the tools at hand and to the most well-known techniques. To bridge this gap, we have tested several state-of-the-art techniques from the fields of information visualization, scientific visualization and statistical visualization to determine their potential within the climate research field.

This PICO presentation provides examples from this research, presenting and explaining non-standard visualization methods for climate time series, for spatial scalar / vector climate data and for ensemble climate data.