

Abstract:

When less is more: Towards process-based narratives for climate predictions

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Skillful seasonal-to-decadal climate predictions for extra-tropical climate remain a formidable challenge. I present recent progress in predicting seasonal-to-decadal climate variability using prediction systems based on the Max-Planck-Institute Earth System Model (MPI-ESM). In the presentation, I challenge the current practice to focus on the analysis of the ensemble-mean forecast. Instead, I suggest process-based narratives, which I illustrate by analyzing re-forecasts for the North Atlantic and Europe.