

What We Talk About When We Talk About Hydroclimate: Challenges in Model-Data Comparisons



models give us most of this (yay models!)

image credit: NASA





Yesterday (artist's rendering)

How do we translate between?



Palmer Drought Severity Index August, 2011



Target a common variable that leverages strength of: proxies, observations, and models



Palmer Drought Severity Index versus VIC, Sierra Nevada Mountains — PDSI_{sc} — VIC model



Central Plains Megadroughts















CMIP5 Last Millennium







ACCESS1.0















Seasonality differences in instrumental versus reconstructed PDSI?

Uncertainties in reconstructions?

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