

## The Simulation of the Palmer Drought Index over Quebec, Canada

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We simulate the evolution of the Palmer drought index for 111 stations over the agricultural regions of Quebec, Canada, using a model provided by Agriculture and Agri-Food Canada. The model is driven by temperature and precipitation climate data at each station. The climate data covers at least the period 1970-2000, and for some stations the coverage extends back to the early 1900's. We examine the simulated index over the last century, and compare the results to other data sets. Extreme wet and dry periods are identified.