1* Impacto do Fenômeno El Niño na Captação de Chuva no Semi-árido do Nordeste do Brasil

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Resumo

Neste estudo foram utilizados os totais anuais de precipitação pluvial de 88 postos pluviométricos do Nordeste do Brasil. Os desvios de precipitação pluvial de cada posto foram obtidos com relação á média climatológica de 82 anos de dados. As distribuições espacial dos desvios de precipitação pluvial do Nordeste do Brasil foram analisadas nos anos de ocorrência apenas dos eventos fortes do fenômeno El Niño compreendidos no período de 1911 a 1992.

El Niño's Impact on Rainwater Catchment in Brazil's Semiarid Northeast

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Abstract

This study uses the annual precipitation data provided by 88 weather stations in Brazil's Northeast. The yearly rainfall variations of each station were compared to the average climatic data of a 82-year period. For the period 1911 to 1992 the relationship between variations of yearly rainfall and the El Niño phenomenon was analyzed.

2* Potential Benefits of Tropical Seasonal Rainfall Forecasting for Rainwater Catchment Systems

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Abstract

Much work has been done recently on interannual and seasonal rainfall forecasting for the tropics. Such forecasts are usually reliable at a regional or macro scale, but are less successful at the meso- or local scales, which are of interest for rainwater catchment systems. Methods