



Comparing the Palmer Drought Index and the Standardized Precipitation Index for Zagreb Gric Observatory

K. Pandzic and T. Likso

Meteorological and Hydrological Service, Zagreb, Croatia

Conventional Palmer Drought Index (PDI) and recent Standardized Precipitation Index (SPI) for Zagreb Gric Observatory are compared by spectral analysis technique. Data for a period 1862-2010 are used. The results indicate that SPI is simpler for interpretation but PDI more comprehensive index. On the other side, lack of temperature within SPI, make impossible application of it on climate change interpretation. Possible applications of them in irrigation scheduling system is considered as well for drought risk assessment.