

BMP's for drought risk reduction in WATER SUPPLY services

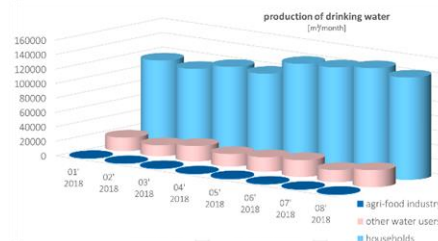
BMP's for drought risk reduction in water supply services

The assumption was to develop drought monitoring model, which will support water production and supply services in order to fit the demands of consumers regarding to quantity of water and also to avoid unexpected problems with waterworks. In that case the most suitable appeared to develop general information on drought hazard level for the area of waterworks' territorial scope.

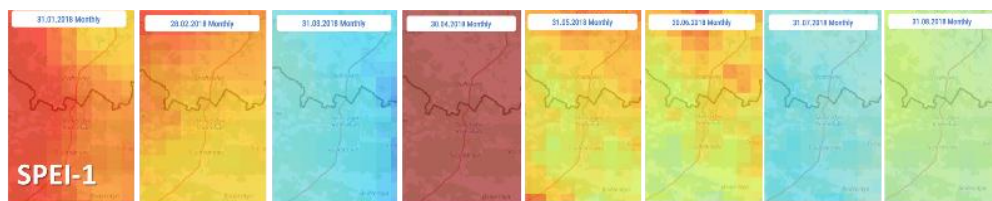
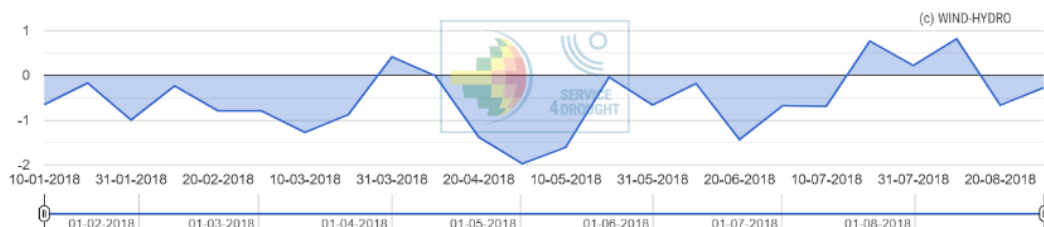
The analyses were conducted in partnership with *The Miejskie Przedsiębiorstwo Wodociągów i Kanalizacji Sp. z o.o.* which supply in water approx. 75 thousand residents of communes: Skarżysko-Kamienna, Skarżysko Kościelne, Bliżyn (villages of: Bugaj, Brzeście, Wołów, Zagórze), Wąchock (village of Parszów). The MPWiK intakes groundwater resources from five deep water intakes and its water quality allows it to be directly supplied to recipients. Regarding the aspect of groundwater resources the analysis of drought impact required taking into account the results of drought indicators related to long term rainfall conditions. The results of SPEI and SPI in the 6 and 12 months accumulation period were analyzed with the volume of abstraction data (in years 2015 and 2018). The SPEI-1 data set was analyzed in terms of potential water demand.



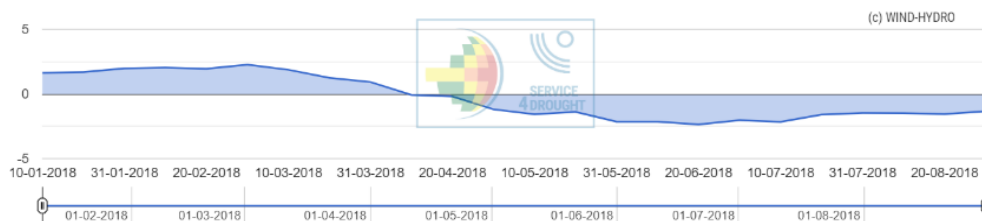
The SPEI-1 data set was analyzed in terms of potential water demand.



SPEI1



SPEI6



For more information contact us:

info@windhydro.pl