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Climate data for the national agricultural risk management scheme in Hungary

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In Hungary an agricultural risk management scheme was developed with the purpose to give compensation to farmers if they have crop losses due to different natural extreme events such as drought, frost, extreme precipitation or wind, flood, inland water.
In this system the Hungarian Meteorological Service (OMSZ) is responsible to ensure daily data for drought, frost, precipitation and wind. Recently the service is based on meteorological data measured on about 250 automatic weather stations. Daily accumulated precipitation sum from radar measurements are also considered.
OMSZ gives interpolated data on a grid with 0.05° resolution. The applied interpolation method is MISH developed at OMSZ (Tamás Szentimrey, Zita Bihari).
Data are refreshed day by day and once again after the monthly controlling procedure.
Final result of the procedure is a service freely available on the agro.met.hu webpage.
Information about the occurrence of an extreme index can be sorted for different regions, settlements, per days or for longer periods.