



Supplementary Material

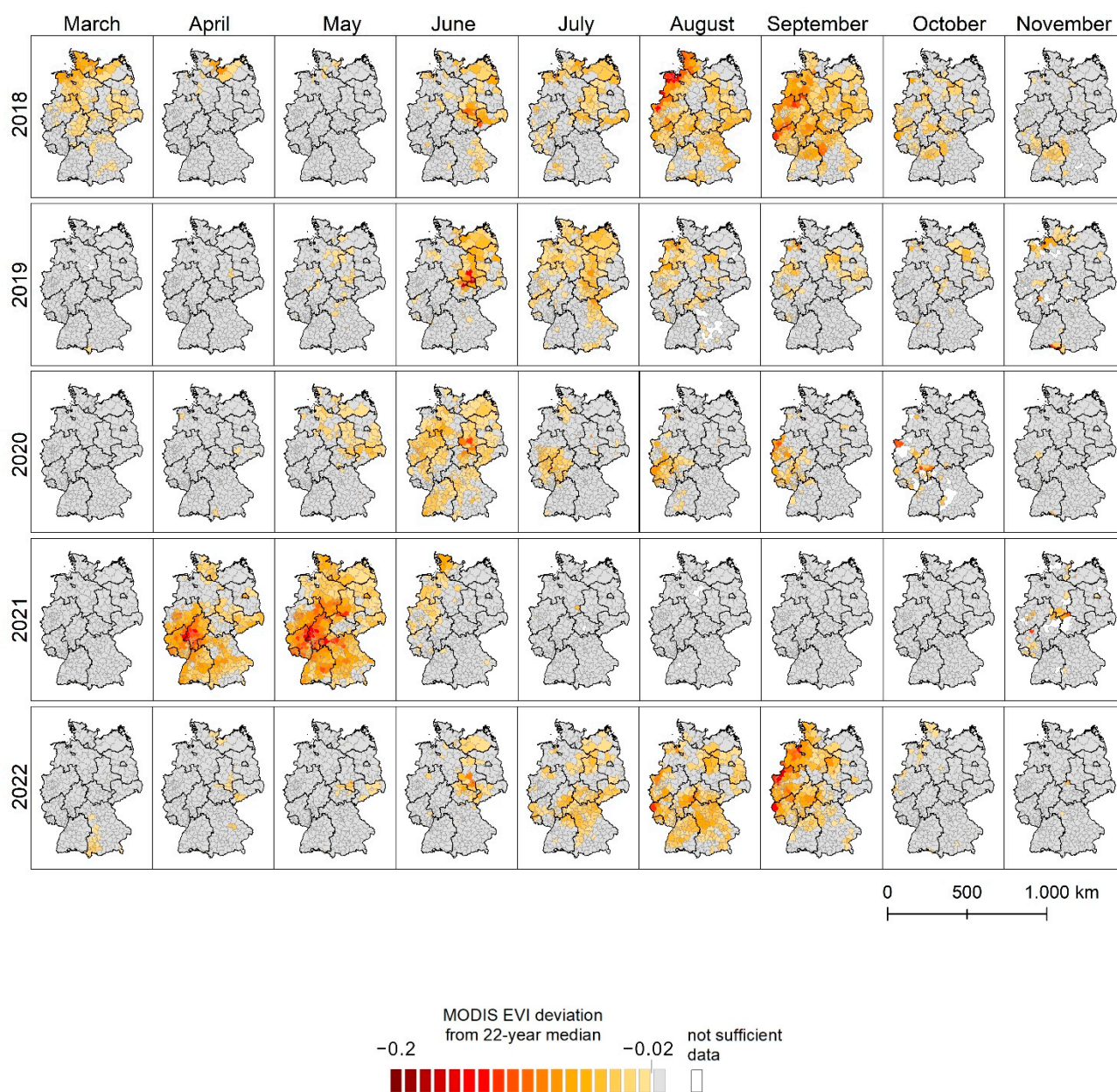


Figure S1. Monthly (Mar-Nov) maps of vegetation stress for grassland as indicated by MODIS-EVI deviations for 2018-2022 at county level.

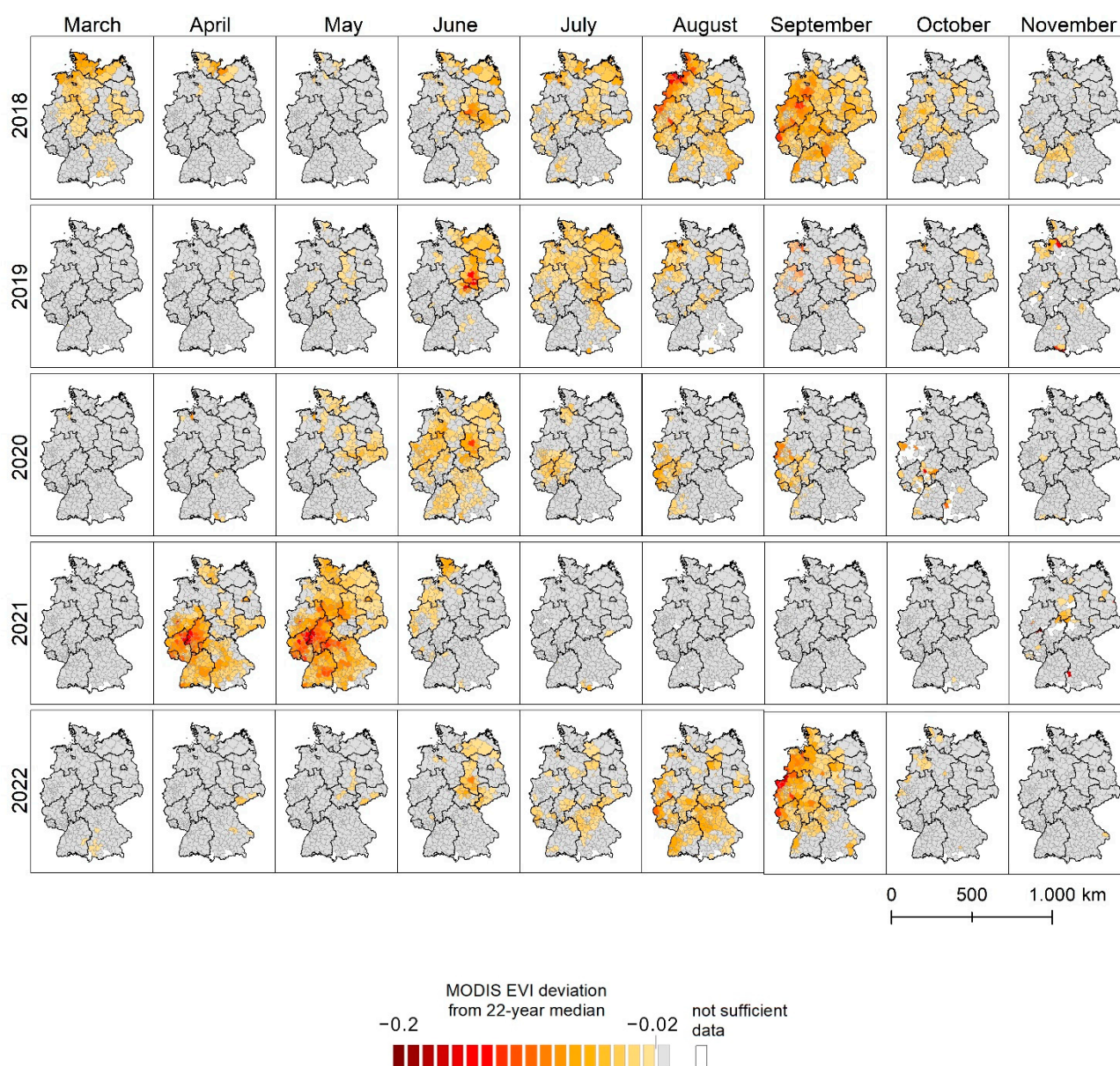


Figure S2. Monthly (Mar-Nov) maps of vegetation stress for cropland as indicated by MODIS-EVI deviations for 2018-2022 at county level.

Table S1. Indication of the two 16-day composites used to calculate monthly EVI deviations. In leap years, the start dates are one day earlier. The 16-day composite with starting date 23rd April is integrated in April in May.

Month of the Vegetation Stress Monitor time series	Start date of MODIS 16-day composite 1	Start date of MODIS 16-day-composite 2
March	6 th March	22 nd March
April	7 th April	23 rd April
May	23 rd April	9 th May
June	25 th May	10 th June
July	26 th June	12 th July
August	28 th July	13 th August
September	29 th August	14 th September
October	30 th September	16 th October
November	1 st November	17 th November