PHENOLOGY
WEATHER
DATABASES

PETER UDVARDY (PHD ENG.)

INVESTIGATION OF THE CHARACTERISTICS OF SURFACE SHAPES IN RURAL ENVIRONMENT
BASED ON POINT CLOUDS AND REMOTE SENSING DATA
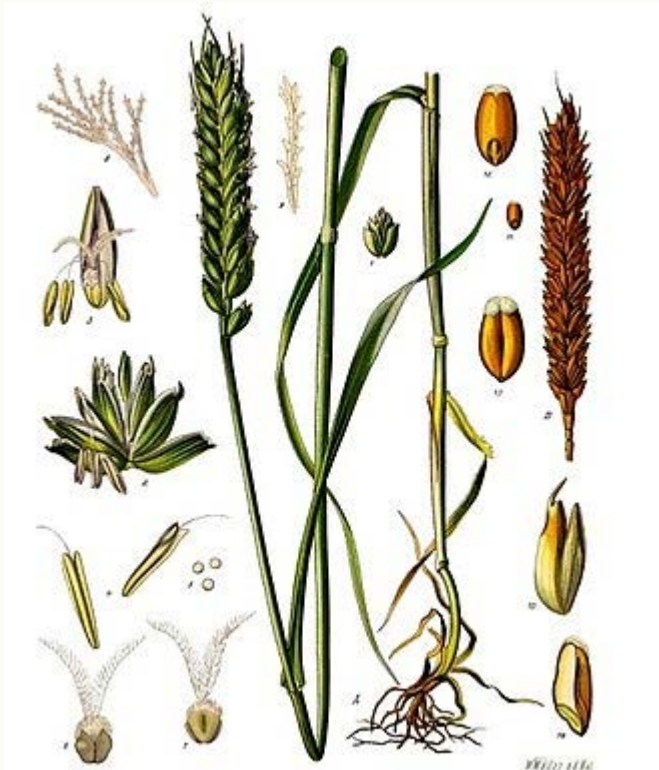PROJECT ID: 2019-2.1.11-TÉT-2020-00171

6TH JUNE 2023

OBUDA UNIVERSITY, ALBA REGIA TECHNICAL FACULTY
INSTITUTE OF OF SCIENCE AND SOFTWARE TECHNOLOGY

ARABLE LAND RESOURCES

FENOLOGY STAGES OF MAIZE

Vegetatív fázisok	Reproduktív (generatív) fázisok
VE (emergence) kelés	R1(silking) bibevirágzás
V1 (first leaf); első levél	R2 (blister) hólyag állapot
V2 (second leaf) második levél	R3 (milk) tejesérés
V3 (third leaf) harmadik levél	R4 (dough) viaszérés
V(n) (nth leaf) n-edik levél	R5 (dent) kupanyom megjelenése
VT (tasseling) címerhányás	R6 (physiological maturity) fiziológiai érettség

VE   V1   V3   V6   V9   VT   R1   R6
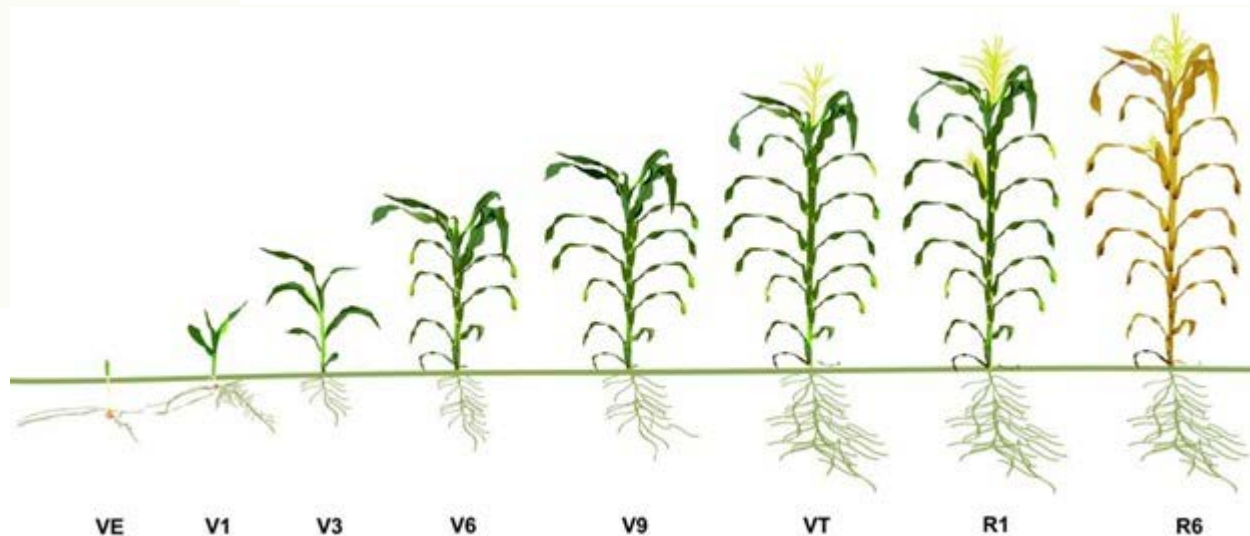
LEAF AREA INDEX

THE HIGHEST CORN LEAF AREA INDEX (LAI) THAT AVERAGED TO 3.72 WAS OBTAINED UNDER MOLDBOARD PLOWING AT THE DEPTH OF 20-22 CM, FERTILIZATION WITH N120 P120, AND PLANTS DENSITY OF 80000 PLANT/HA
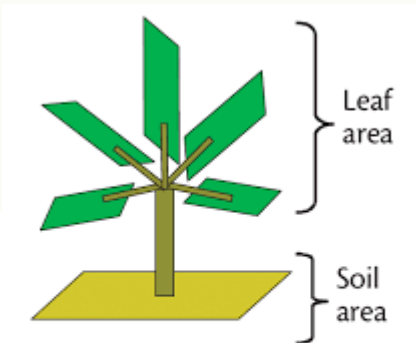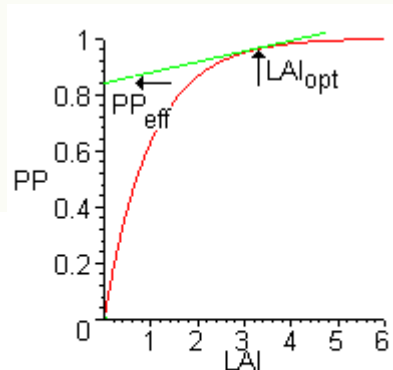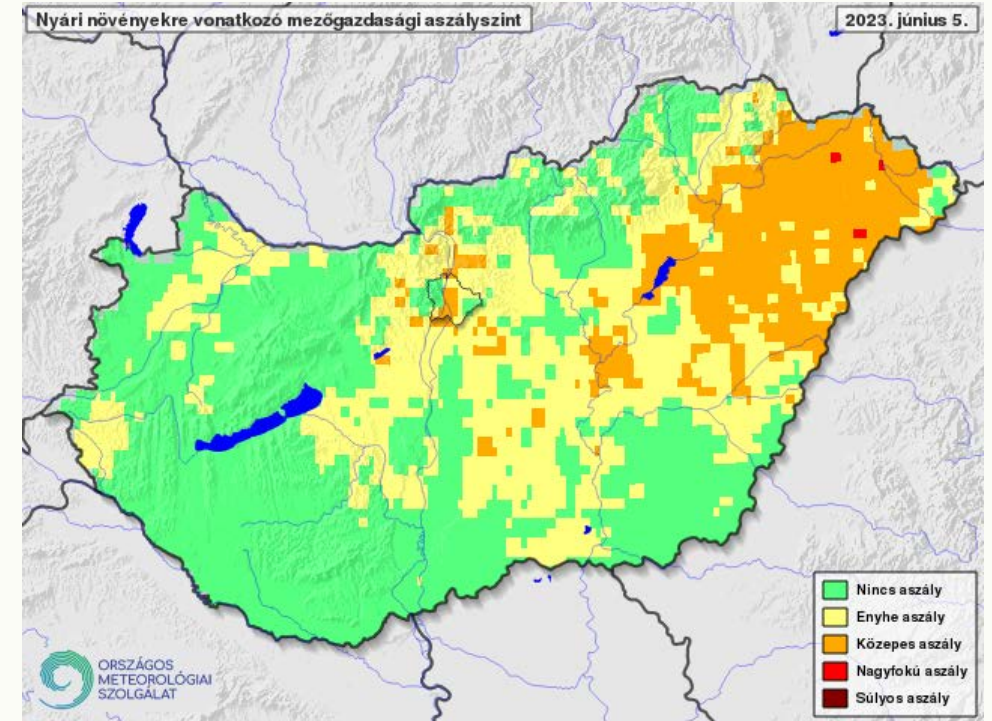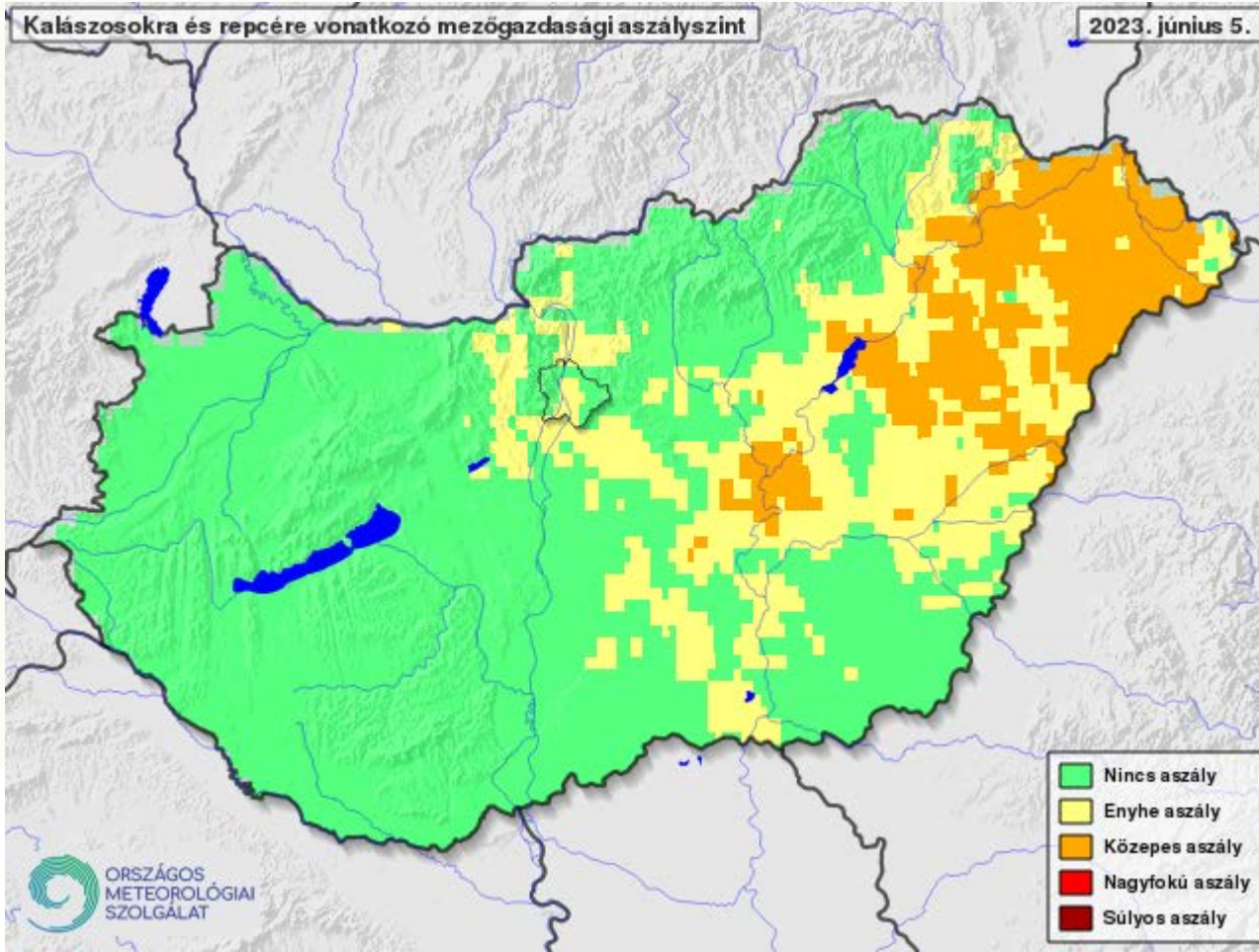
DRAUGHT MONITOR

SOIL TEMPERATURE
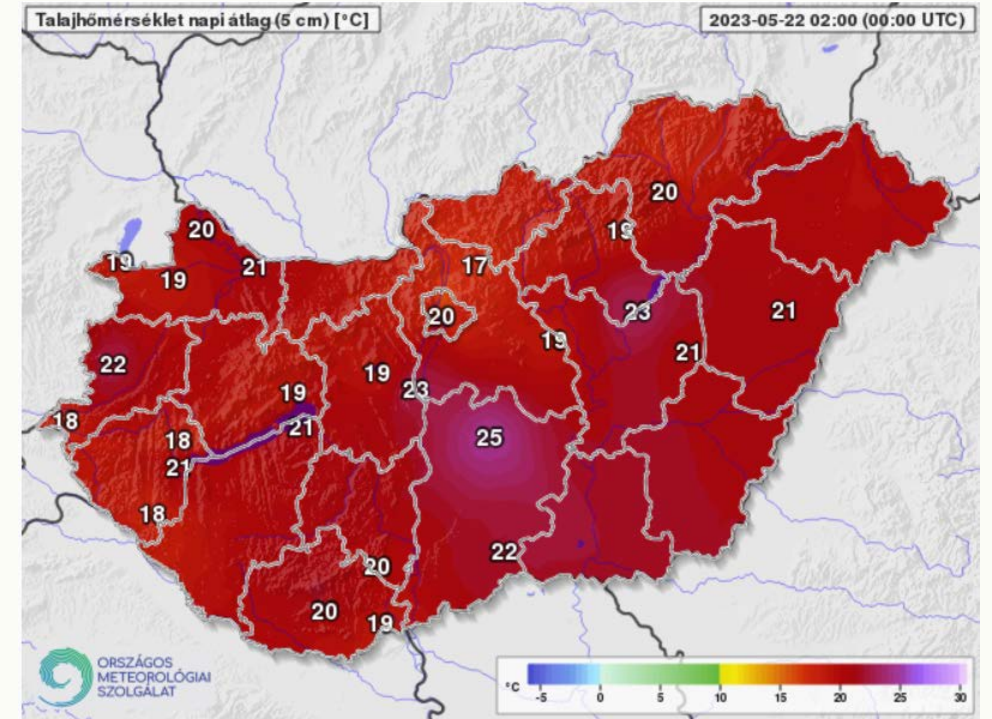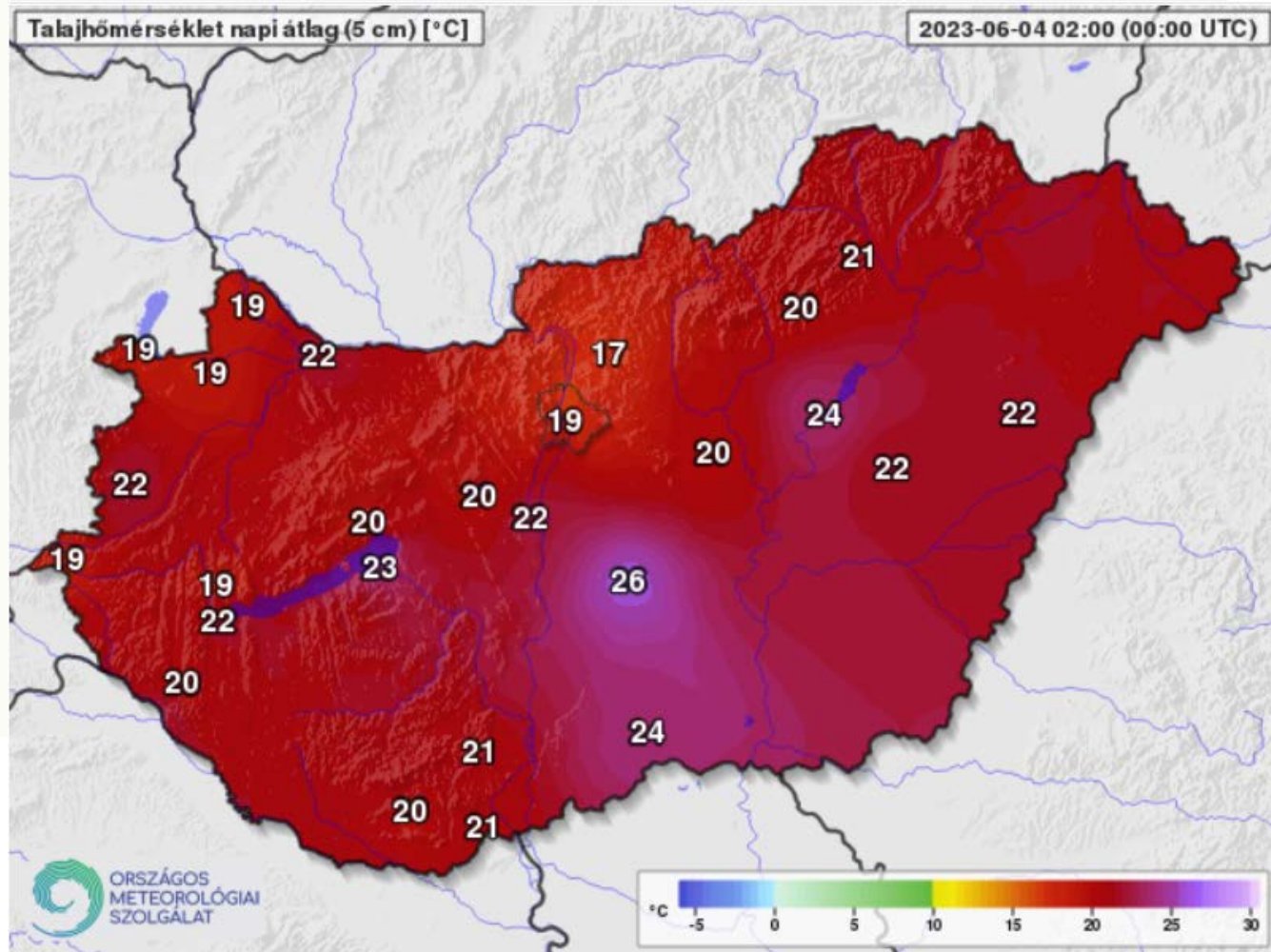
SOIL MOISTURE CONTENT
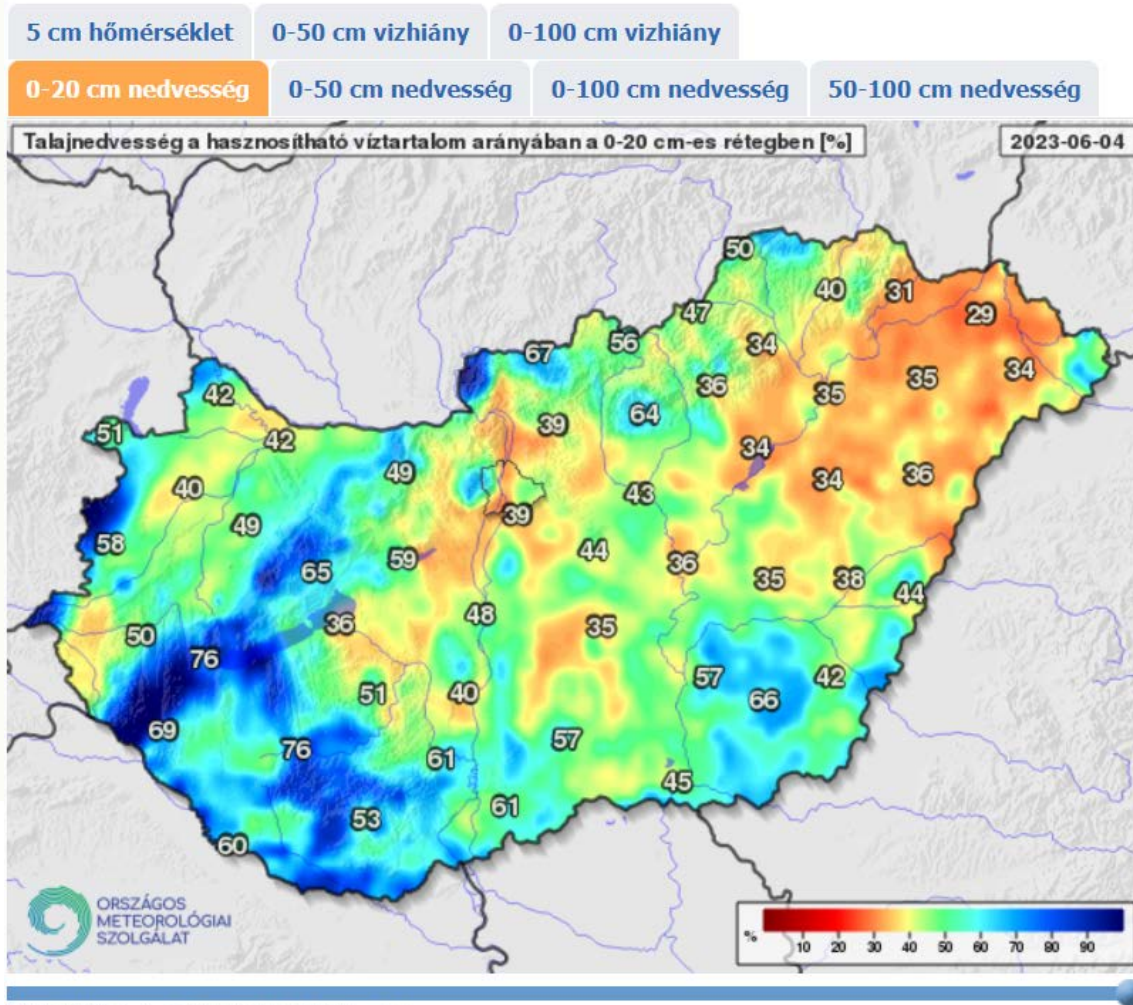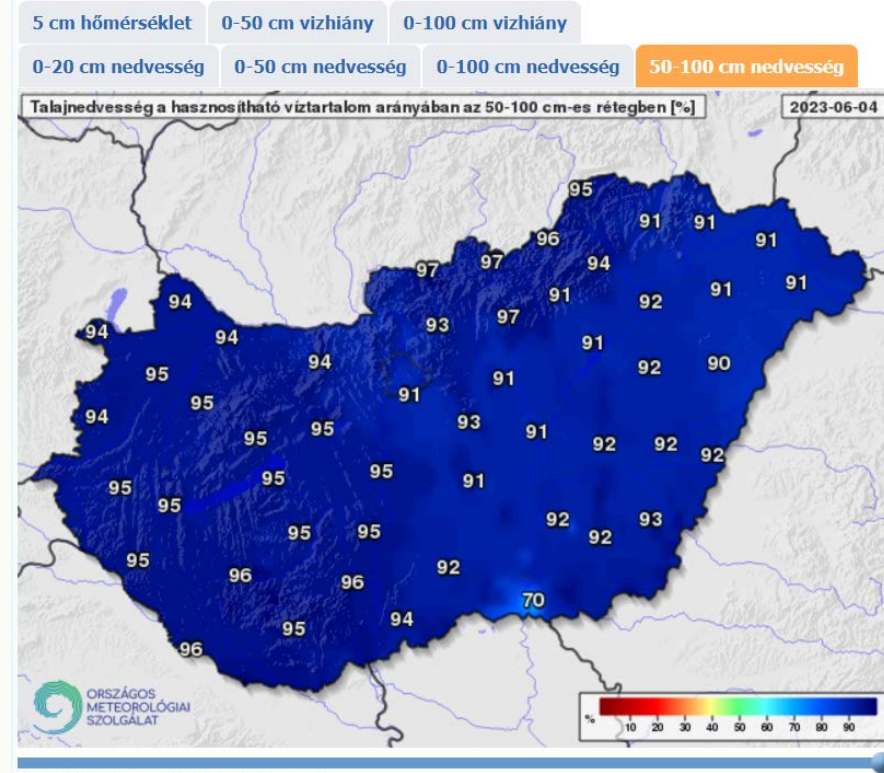
EVAPORATION
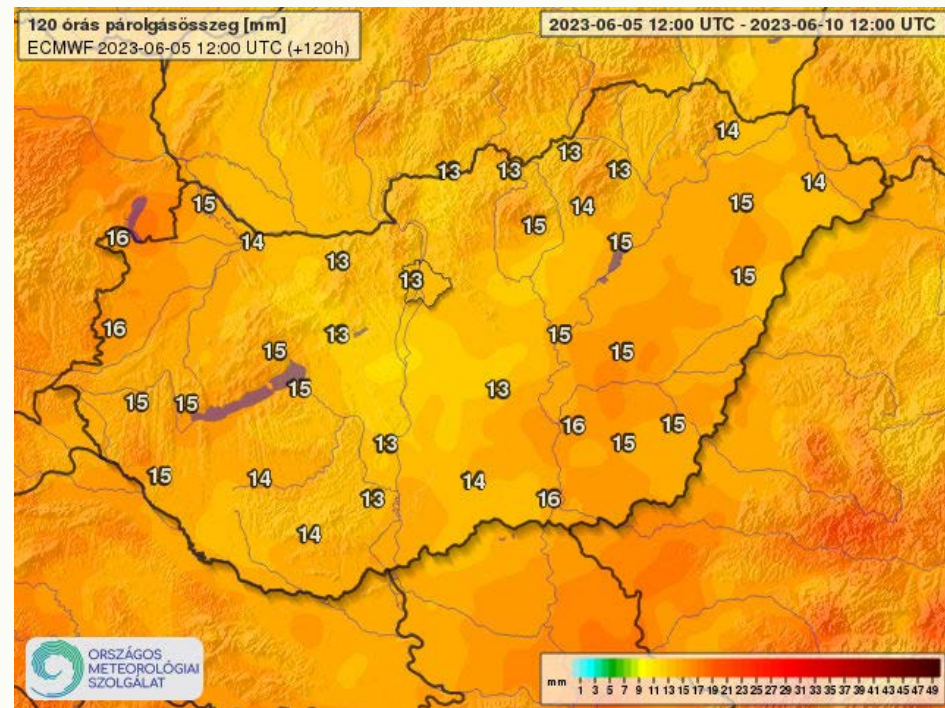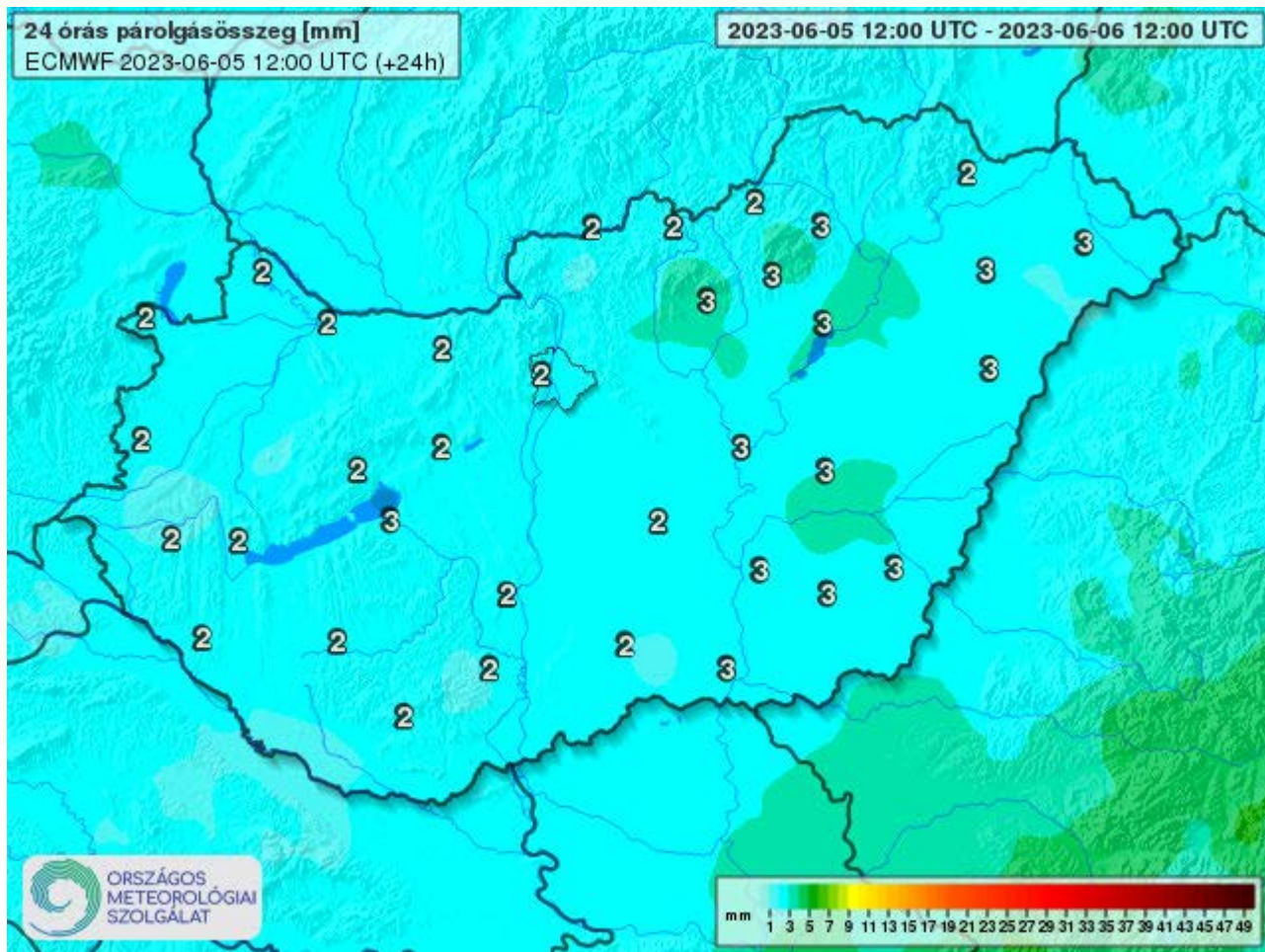
YEARLY SUNNY HOURS
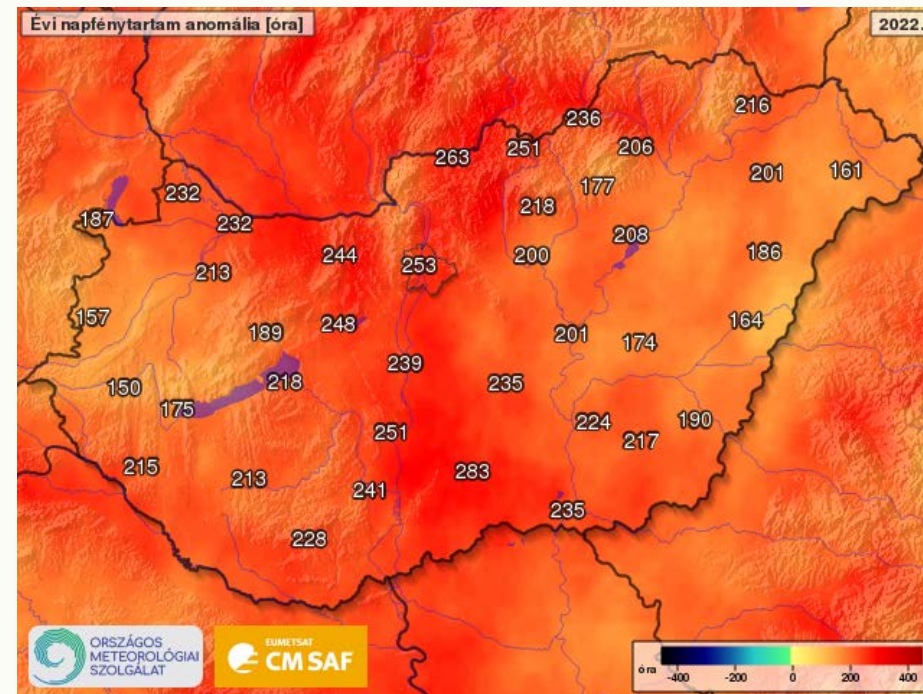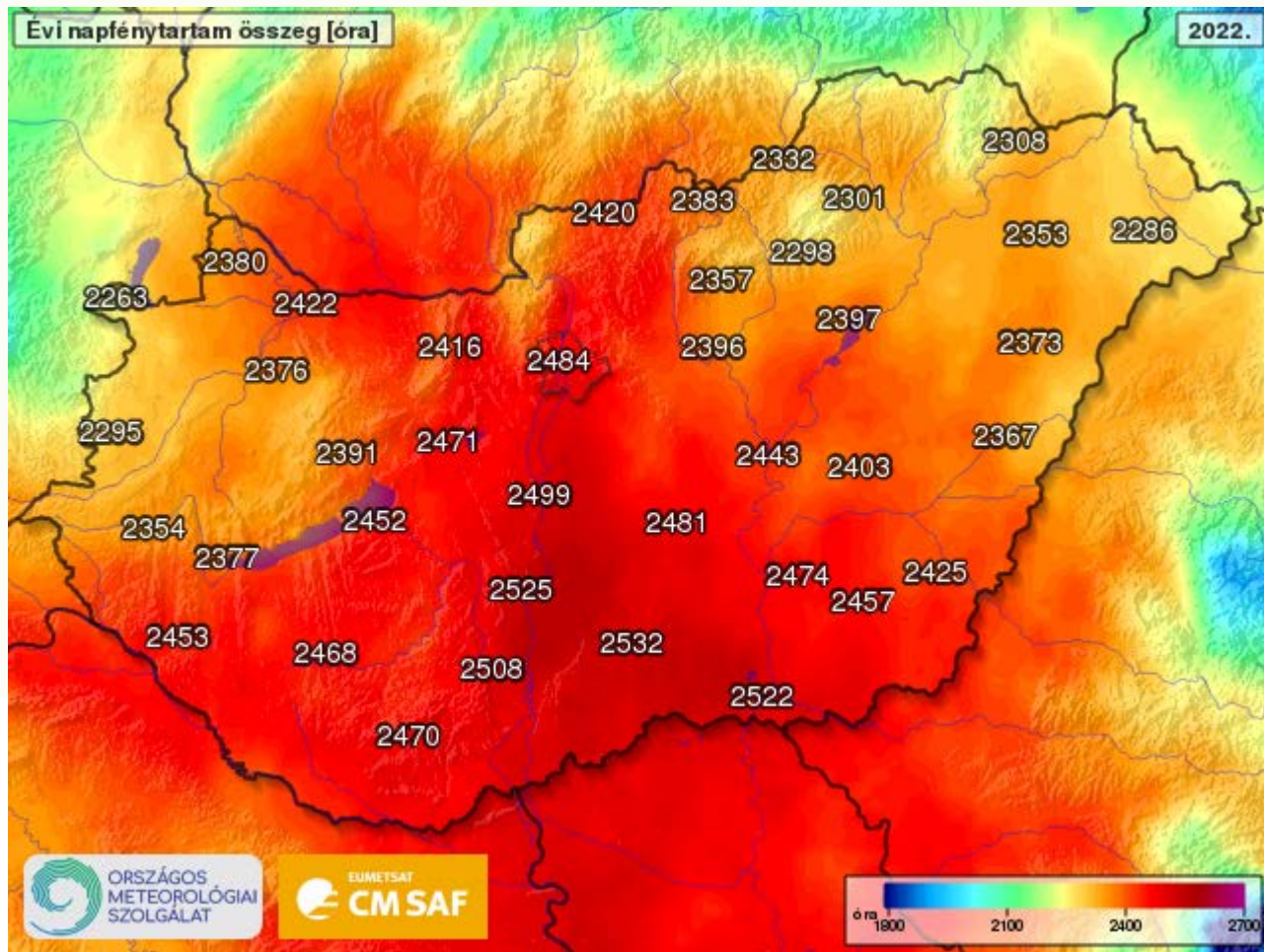
NDVI
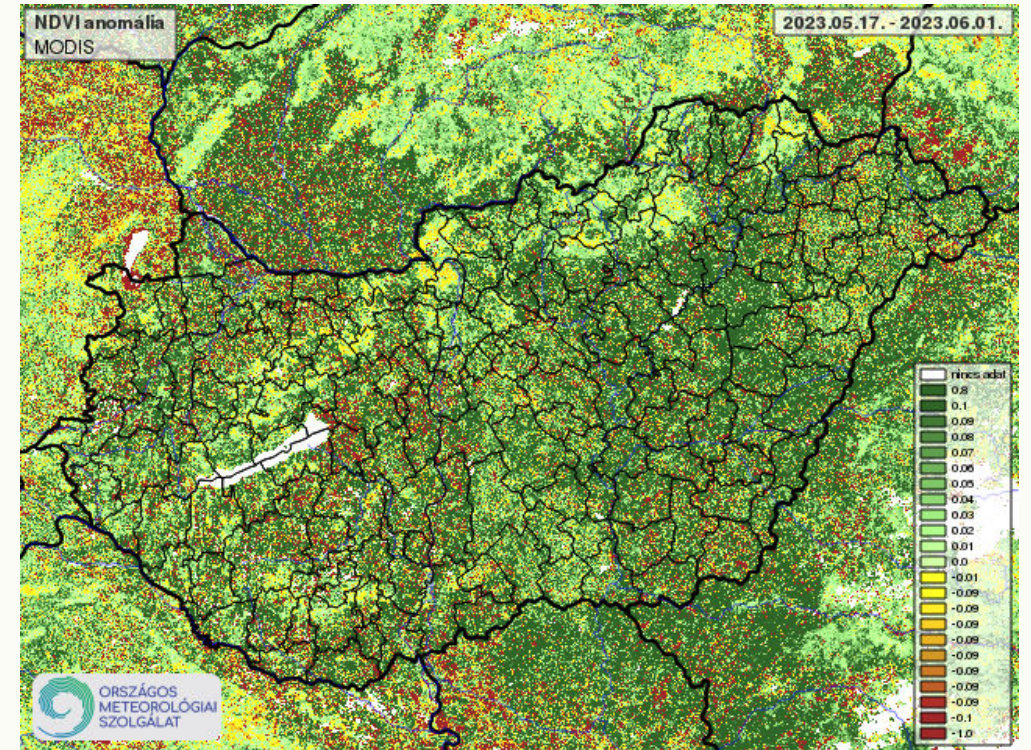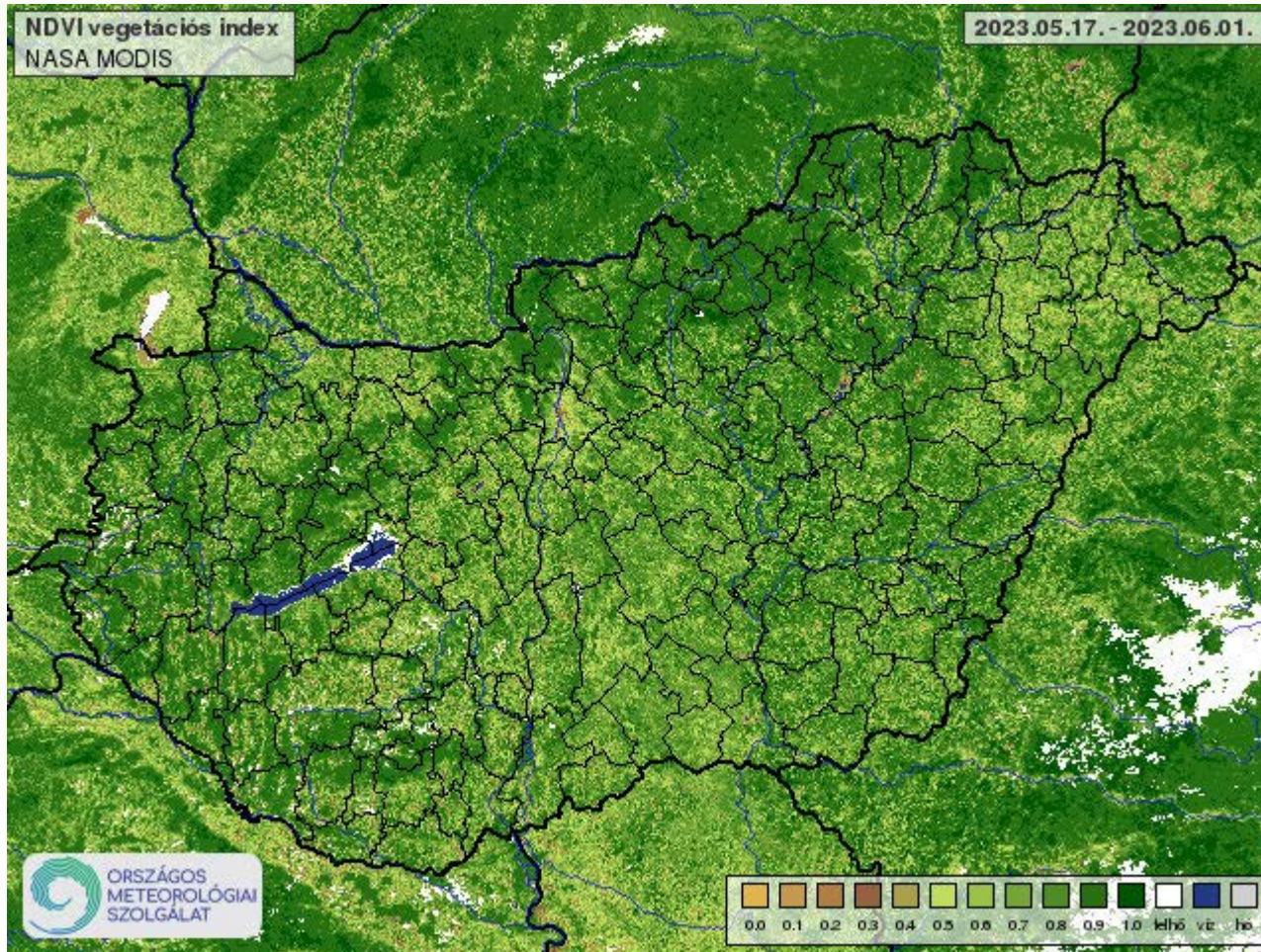
CUMULATED HEAT

IDOKEP.HU

THANK YOU FOR YOUR ATTENTION!

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