# Summer 2021: mix of heatwaves, drought and downpours, severe thunderstorms

Zsolt Pátkai Unit of General Weather Forecasting



WGCEF Annual Meeting Online, 11-12 November, 2021.

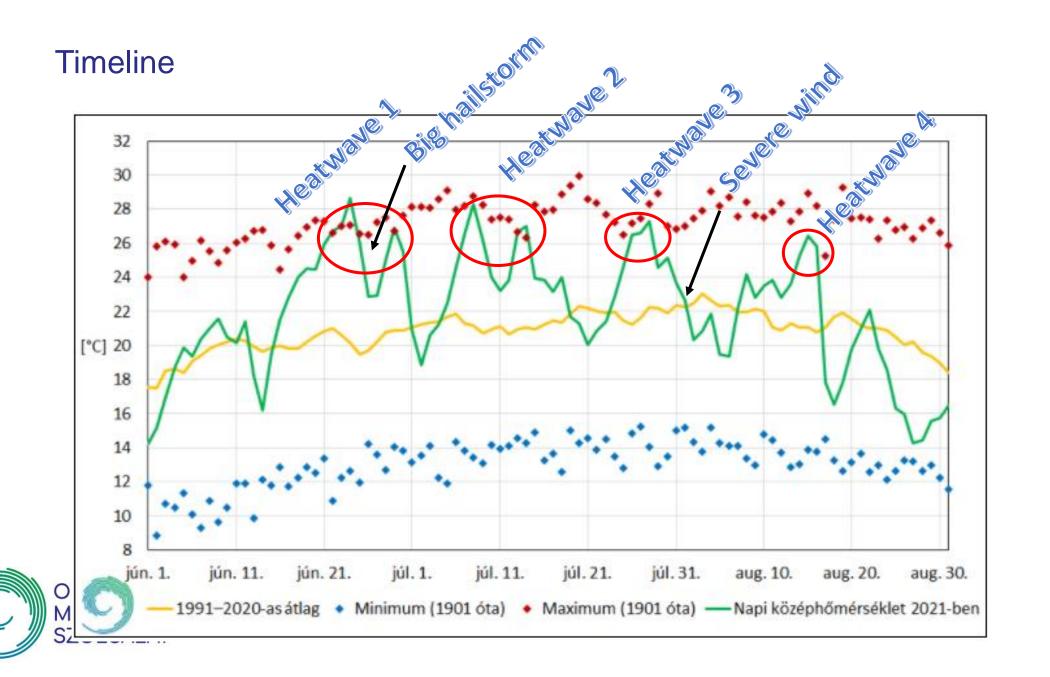


## Outline

#### Extreme...

- 1. ...Heatwaves
- 2. ...Thunderstorms with hailstorms (red warning, 25. 06. 2021.)
- 3. ...Thunderstorms with widespread wind damage (red warning 01. 08. 2021.)

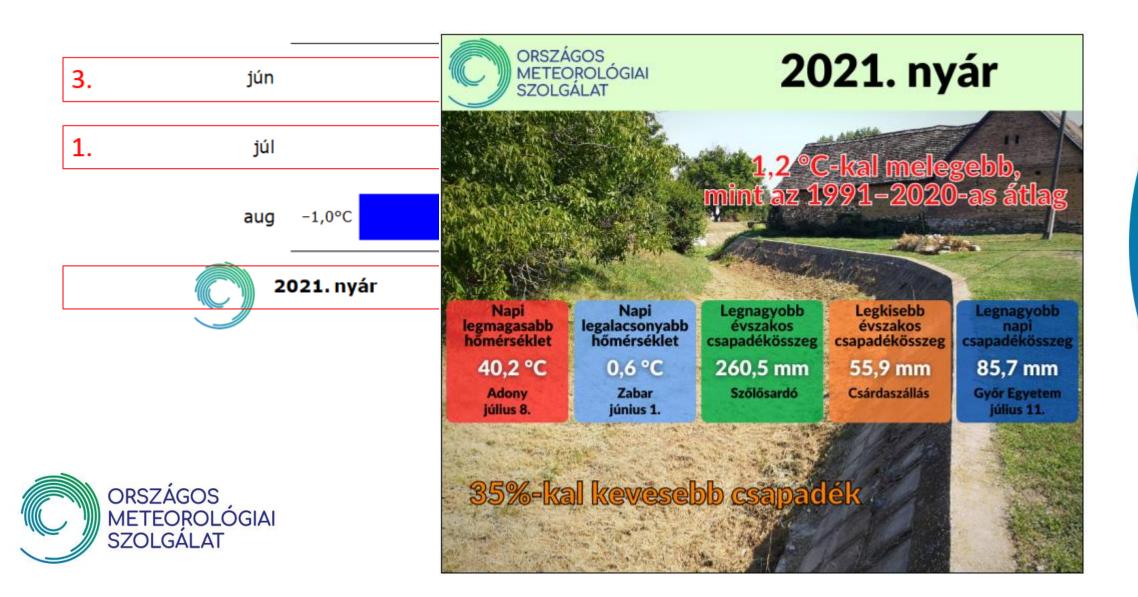




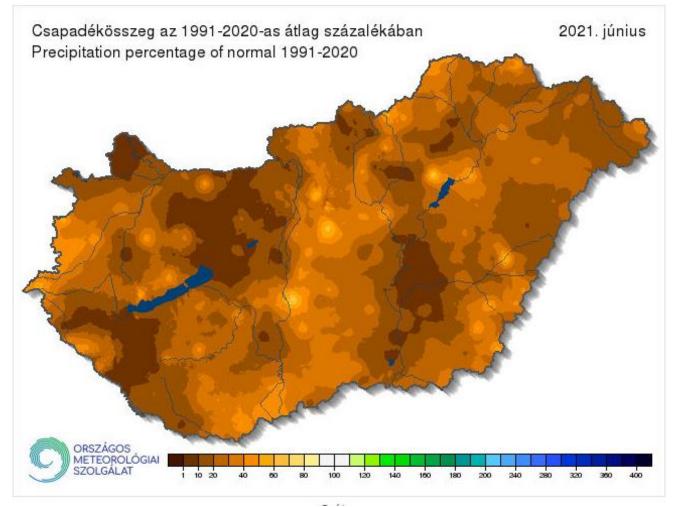
Heatwaves during 2021



#### Statistical informations about summer 2021

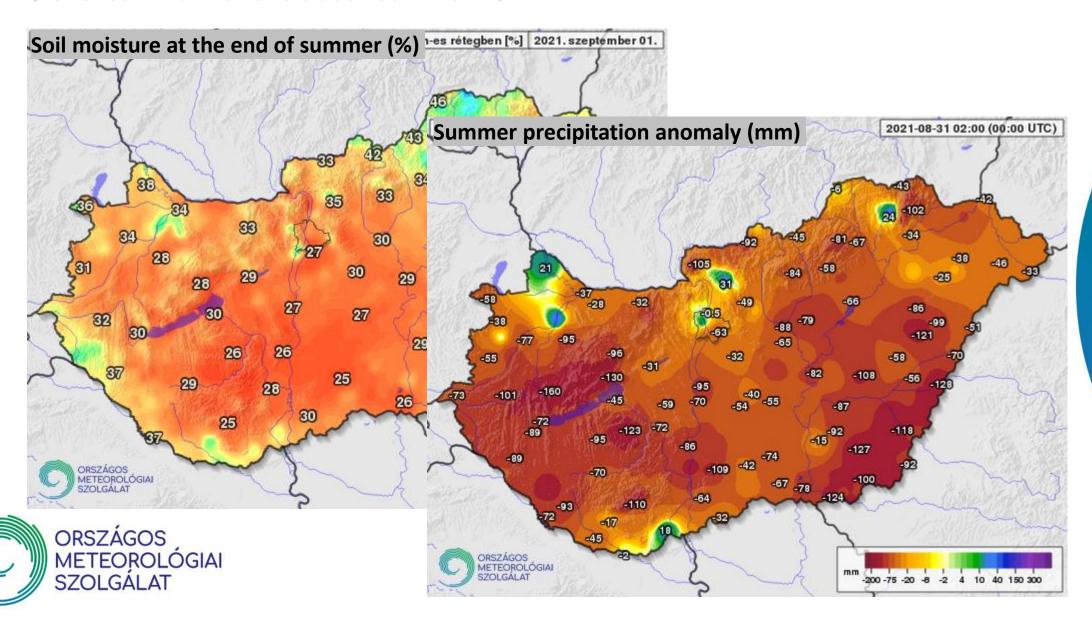


# Extreme drought (especially) in June (3<sup>rd</sup> driest since 1901)

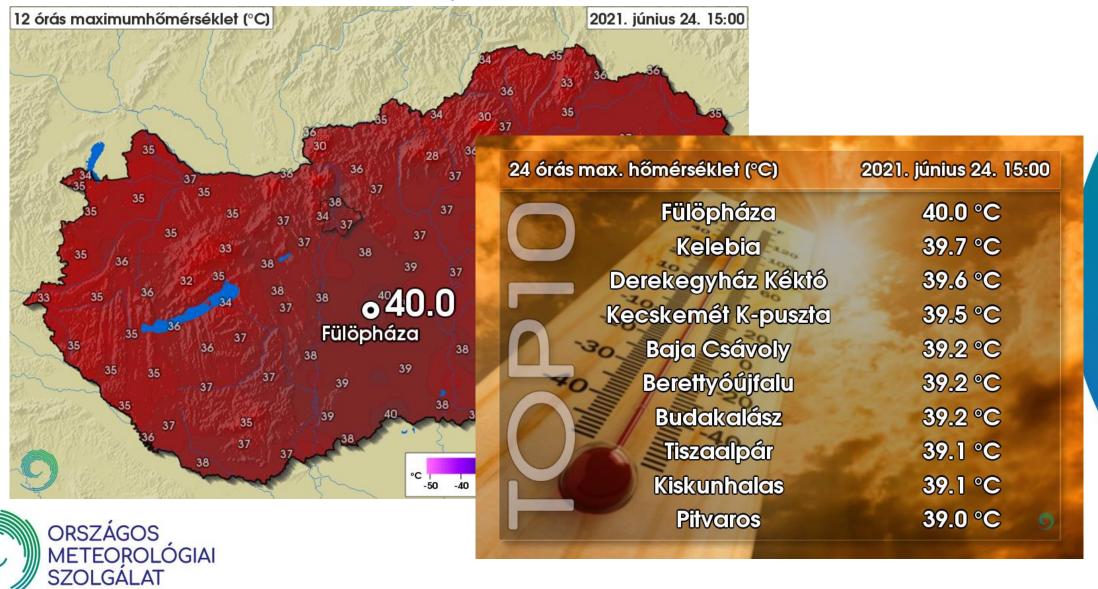




#### Statistical informations about summer 2021



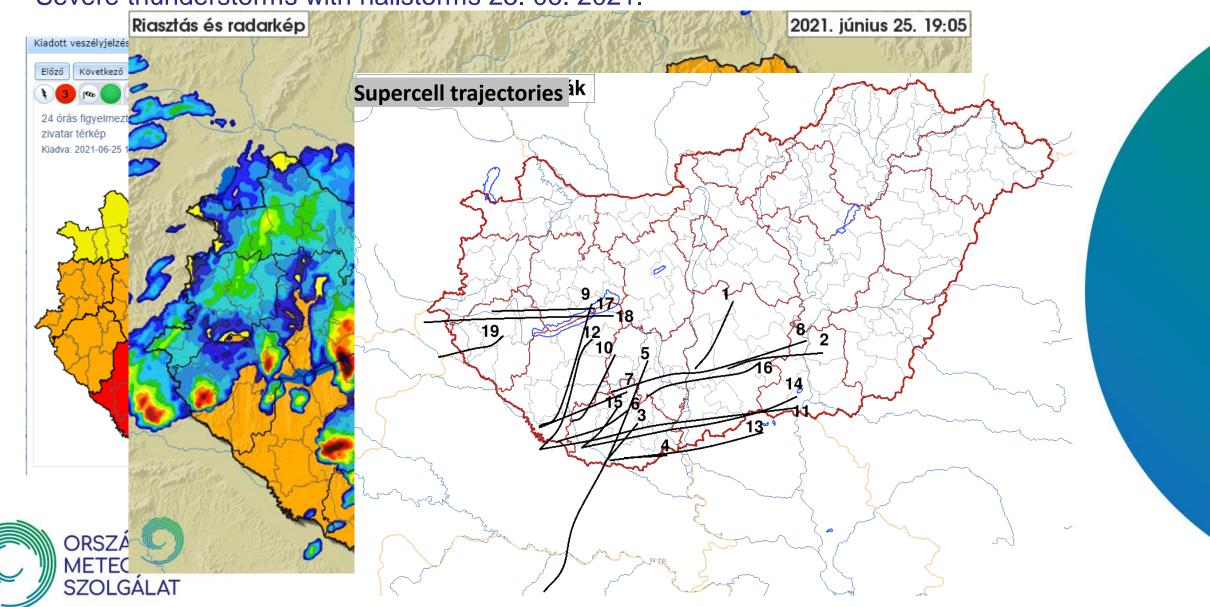
## 24. June 2021. – Hottest summer day



Severe thunderstorms with hailstorms 25. 06. 2021.



## Severe thunderstorms with hailstorms 25. 06. 2021.

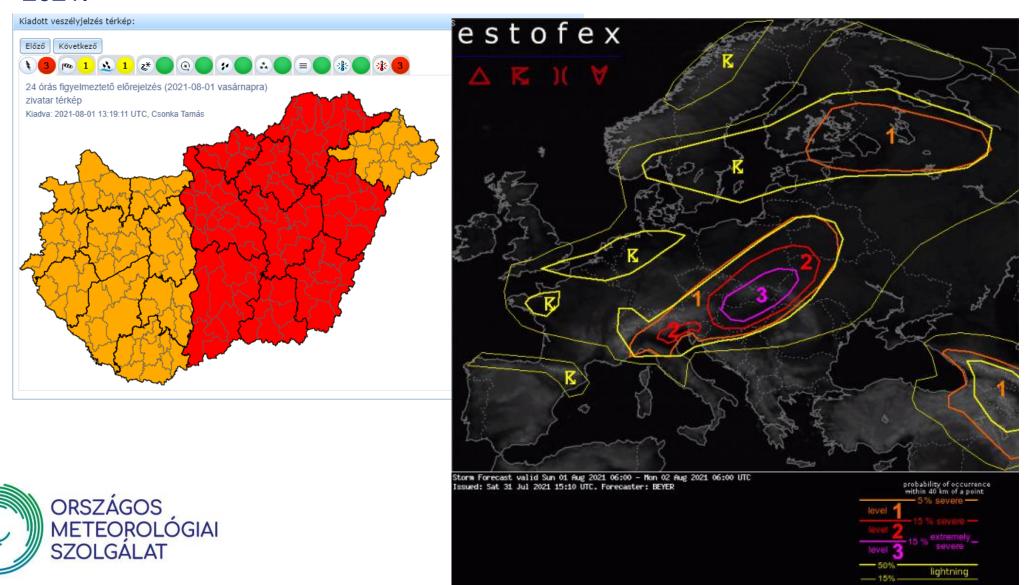




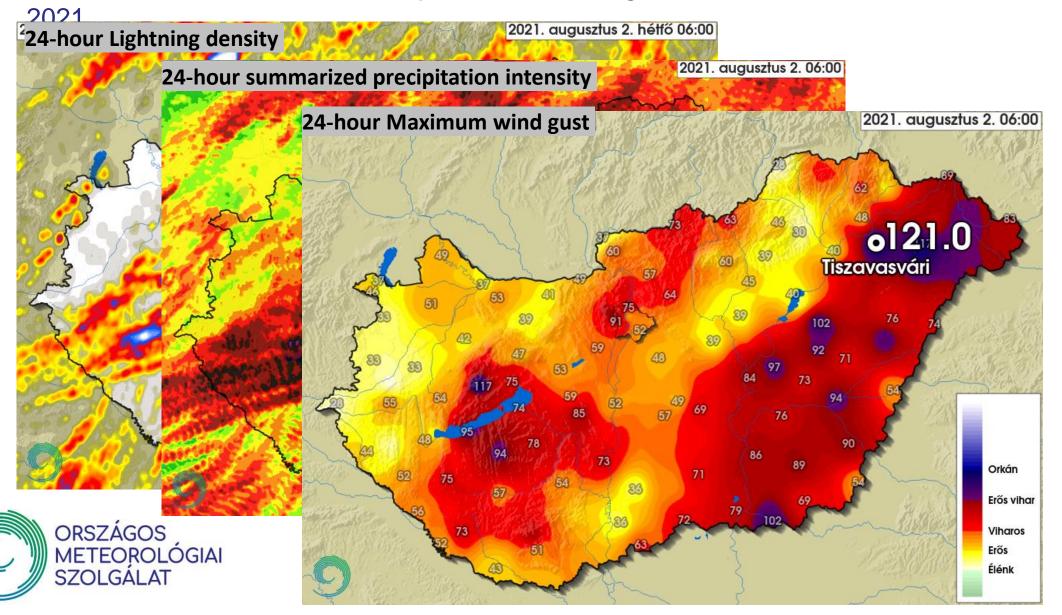
Severe thunderstorms with widespread wind damages 01. 08. 2021.



# Severe thunderstorms with widespread wind damages 01. 08. 2021.



Severe thunderstorms with widespread wind damages 01. 08.



Severe thunderstorms with widespread wind damages 01. 08.



Summer storms caused at least 22.000.000 Euro damage – based on insurance companies data. Highest value since 2010.

- 25% of homes are not covered by insurance

- Damages in agriculture, industry, public buildings are not

included





Thank you for your attention!



