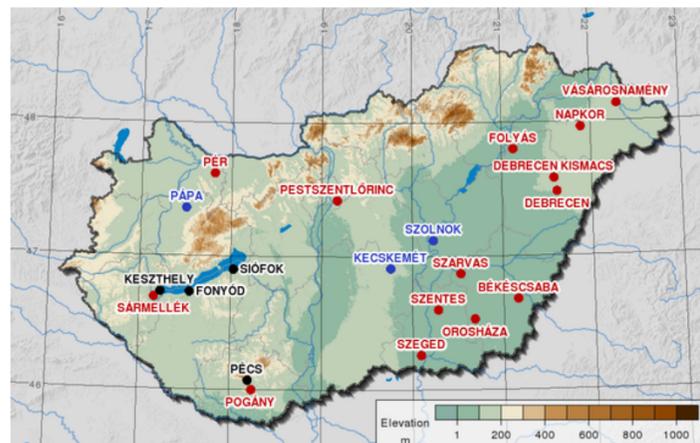


## Visibility and Cloud Base Height

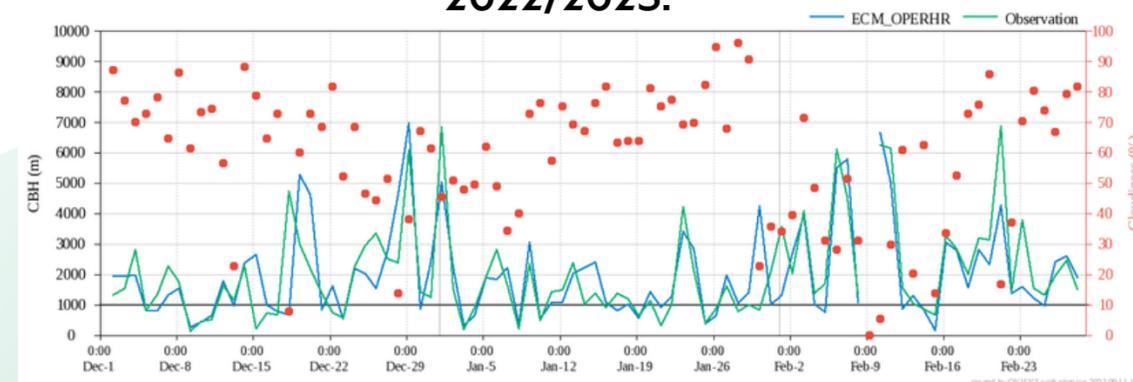
### Motivation:

- Importance for aviation forecasters
- Procure Luft ceilometers and Vaisala Vis sensors

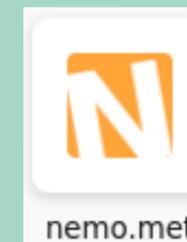
### Stations used for verification



Average **cloudiness** with average CBH of **observation** and 00 UTC runs of **ECMWF HRES** at +30h for winter period 2022/2023.



Requests can be submitted on the website



Compute and display scores

Collect data operatively since Dec/2021

Implement the new variables into the OVISYS

New surface equipments



OBS  
00, 12 UTC ECMWF

Thank the work of Kolláth Kornél!



## Postprocessed radiation of AROME-EPS

### Motivation:

Increasing solar energy production

### Target:

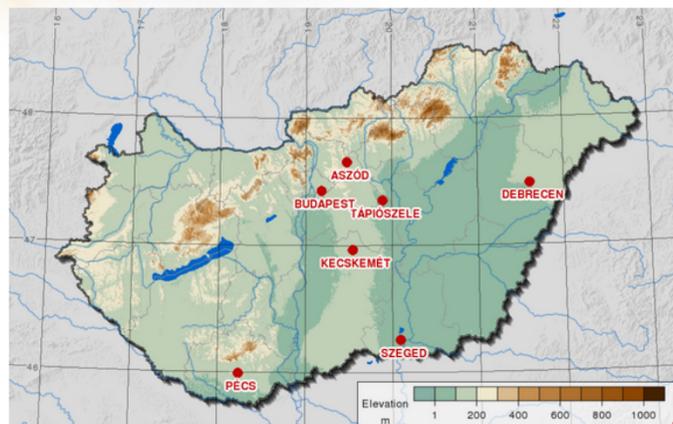
Minimalize CRPS

EMOS postprocessing based on 2 distributions

by Sándor Baran



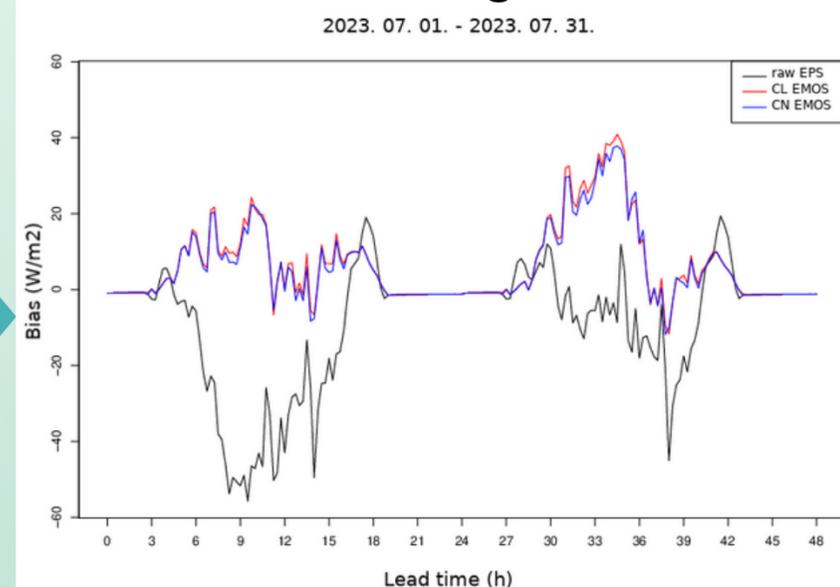
7 stations used for radiation PP



EMOS improve CRPS  
~ 10-12 %

further scores:

Bias, station average in July 2023



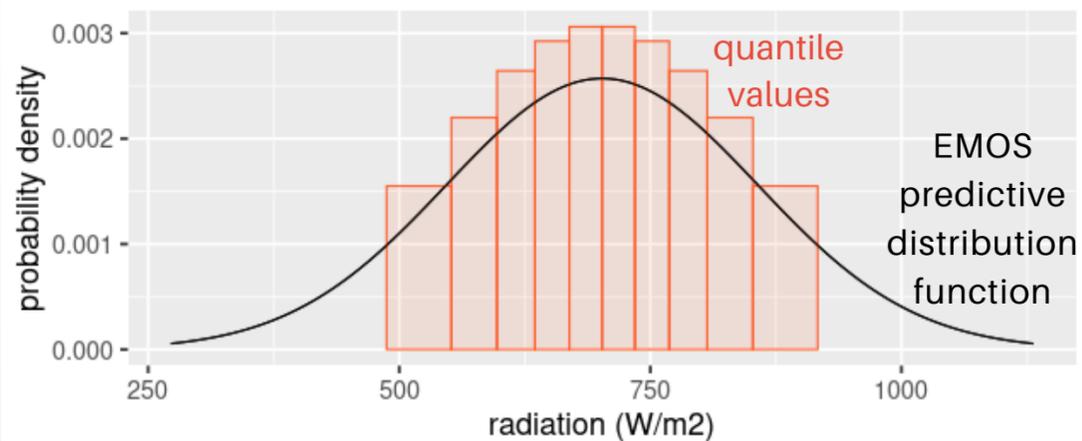
CN: censored normal

CL: censored logistic

Parameter estimation

31 day rolling period

CN EMOS for 2023-08-08 11:00 Debrecen



EMOS operational from 03/2023

provide 11 quantiles of CN or CL distribution function