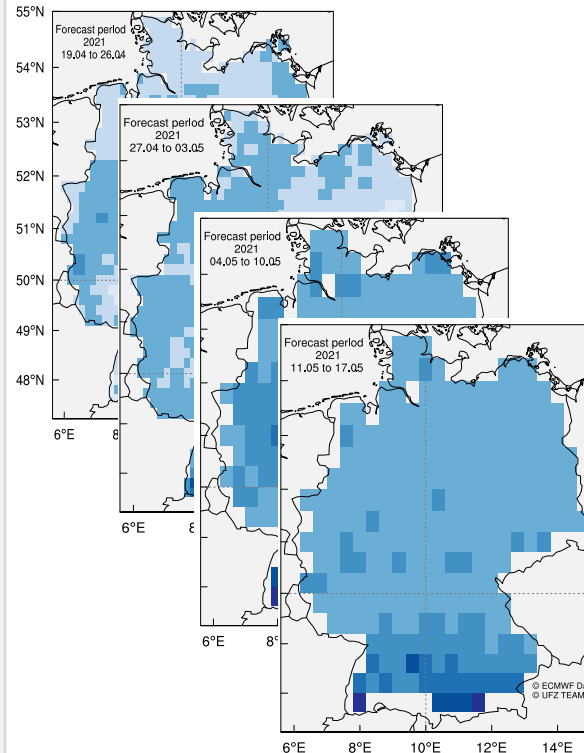


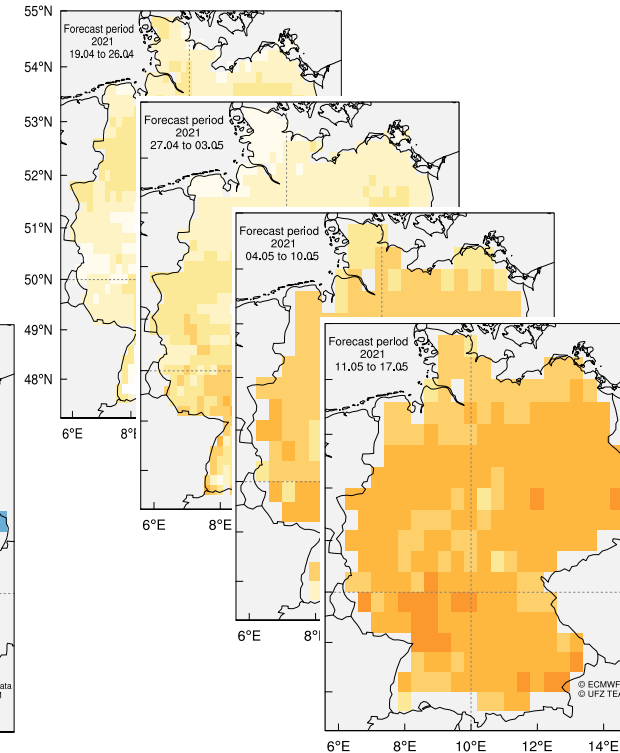
Highlights

- A new sub-seasonal operational drought forecasting system (HS2S) for Germany¹
- Drought forecasts could be verified in near-real time²
- Provides ensemble soil moisture forecasts based on mesoscale hydrologic model (mHM)³
- Utilize Multiscale Parameter Regionalization (MPR)⁴ for upscaling high-resolution model parameters
- Supported and developed under MOSES initiative⁵

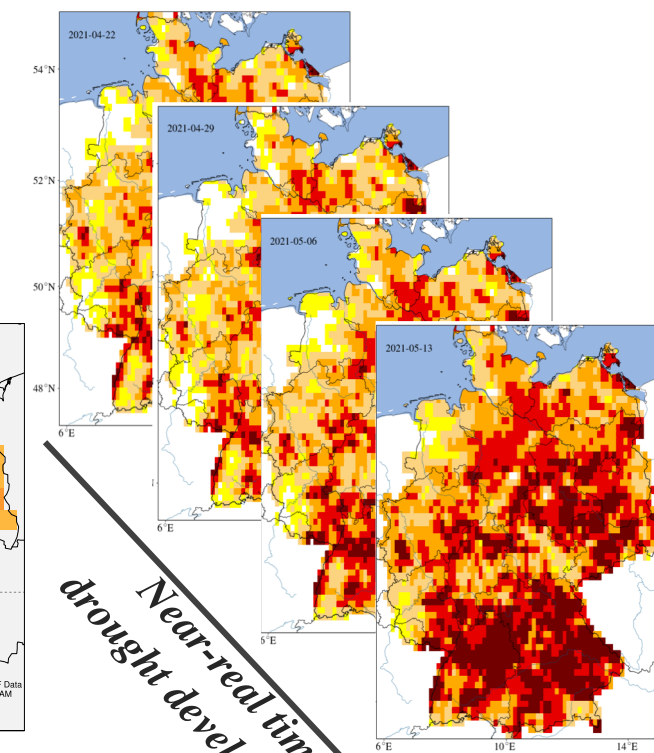
Precipitation Forecast



Temperature Forecast



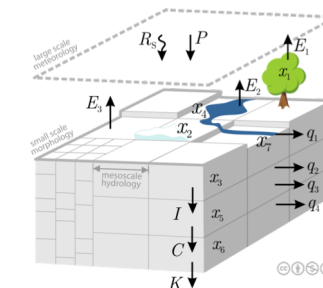
Soil Moisture Index Forecast



Near-real time
drought development

mHM

MOSES
Modular Observation Solutions for Earth Systems



¹ <https://www.ufz.de/moses/index.php?en=47304>

² <https://www.ufz.de/droughtmonitor/>

³ <https://mhm.pages.ufz.de/mhm/stable/>

⁴ <https://www.ufz.de/index.php?en=40126>

⁵ <https://www.ufz.de/moses/>