

# Regionalization of the apple tree water balance based on modified agrometeorological model

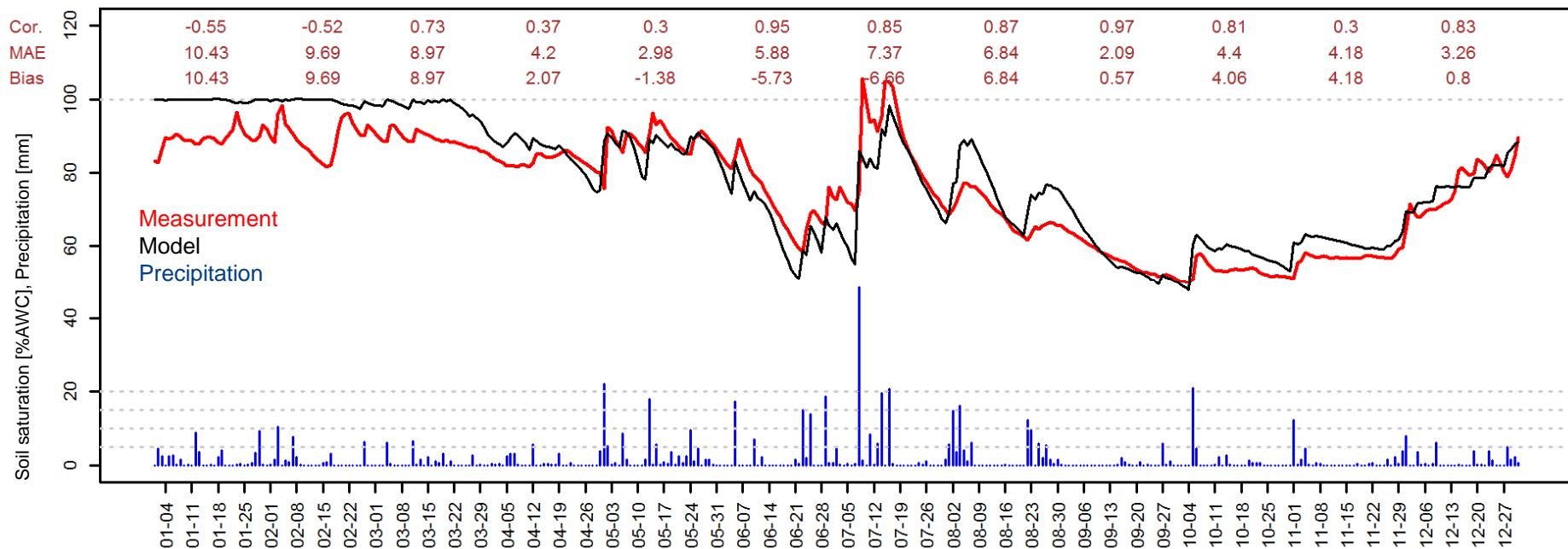
*Rostislav Fiala*

*& Petr Hora, Grażyna Knozová, Martin Mészáros*

# OSA 2.2

## P30

Modification of the agrometeorological model by data from orchard  
Comparison model outputs and soil moisture measurement  
Model calculation for climatological stations  
Summarization and interpolation - daily data to maps

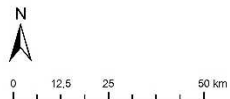
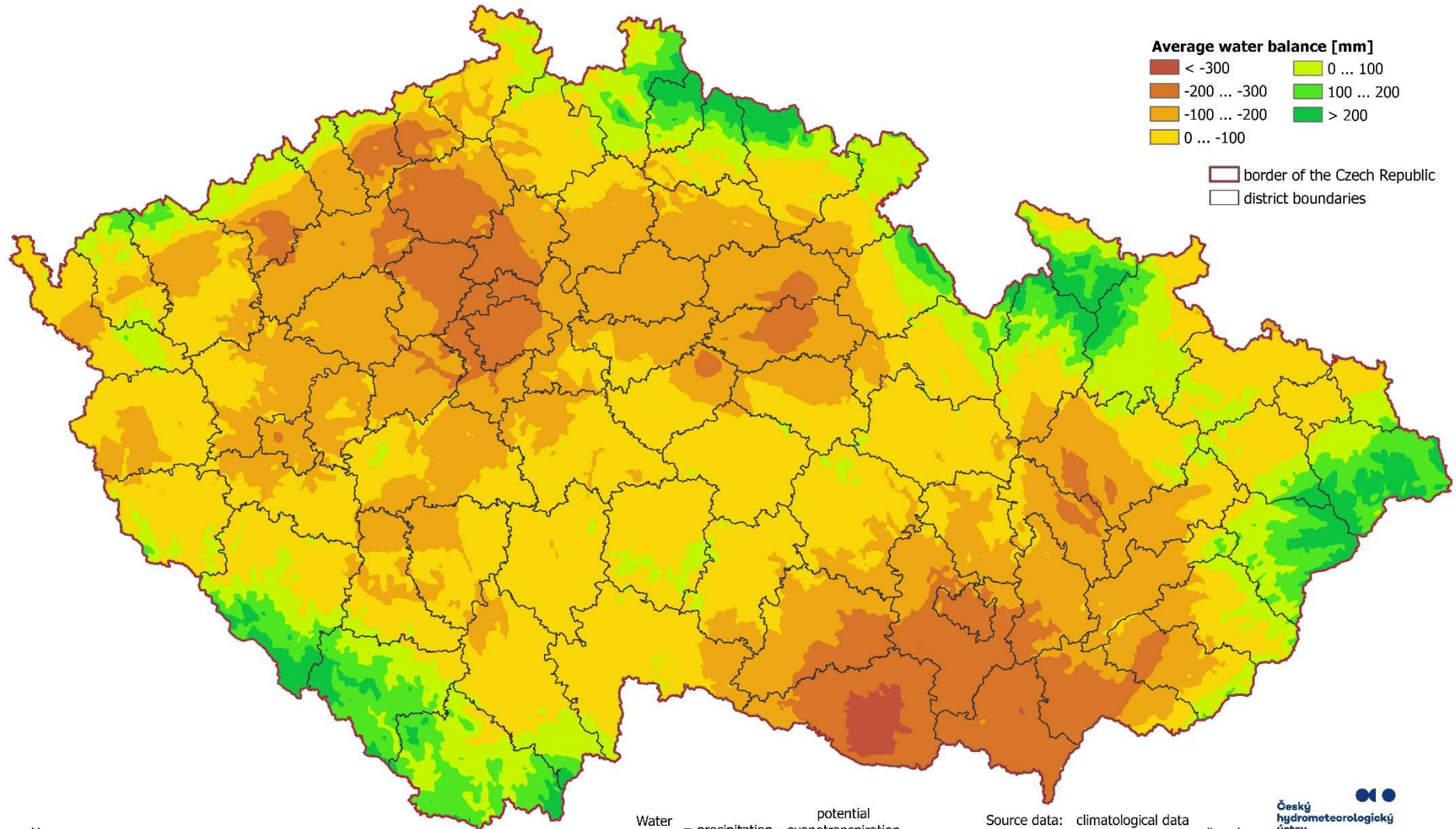


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### Average water balance of apple trees in 1991-2020

Average sum in growing season (April-September)



Water balance = precipitation - potential evapotranspiration of apple trees  
Negative values indicate the need of irrigation.

Source data: climatological data and AVISO model © ČHMÚ  
Borders: © ČÚZK  
Software: ArcGIS 10.8.1 & R



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