

# Scenario-Testing and Prediction Capabilities of the SaveCrops4EU Agricultural Digital Twin Component

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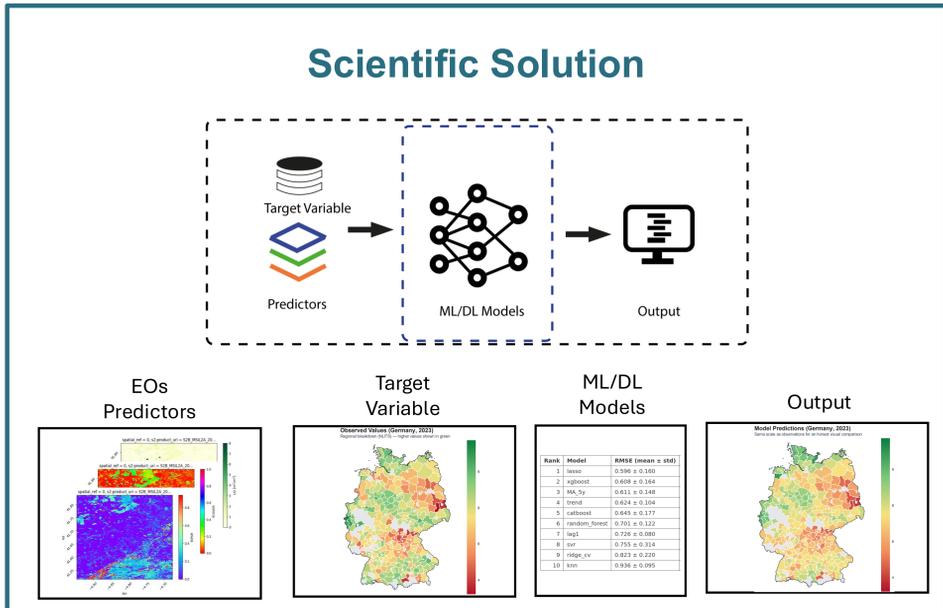
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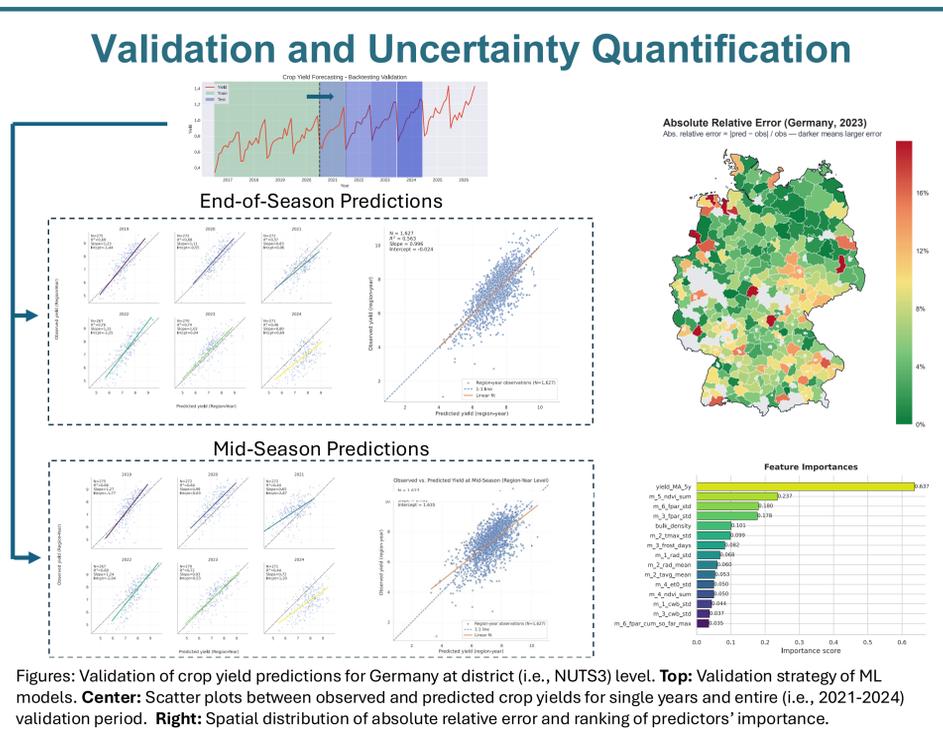
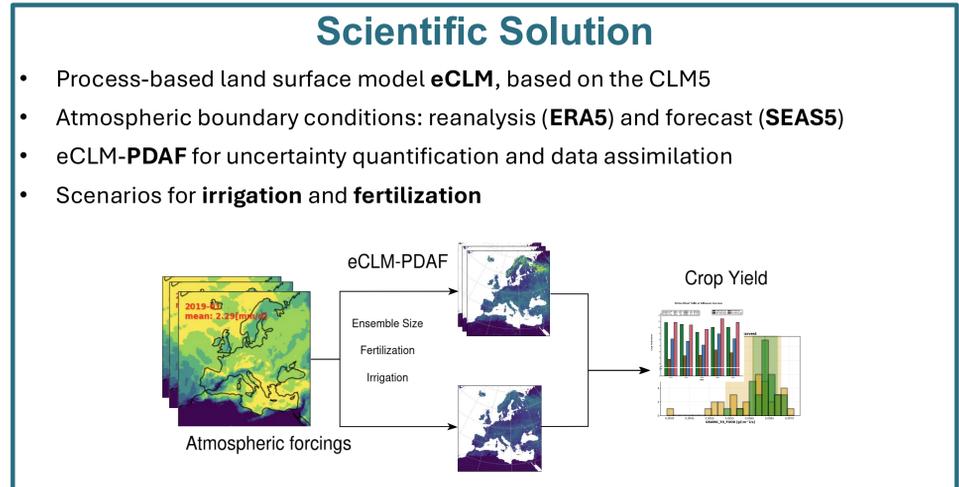
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## Forecasting Pillar



## What-If Scenario Pillar



Figures: Validation of crop yield predictions for Germany at district (i.e., NUTS3) level. **Top:** Validation strategy of ML models. **Center:** Scatter plots between observed and predicted crop yields for single years and entire (i.e., 2021-2024) validation period. **Right:** Spatial distribution of absolute relative error and ranking of predictors' importance.

