



VISCA: An Integrated Climate Application for Decision Support System in Vineyards

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VISCA Overview

Changes in climate and weather patterns are threatening premium wine-grapes which affect directly the European wine industry.

VISCA is a **Climate Service (CS)** and **Decision Support System (DSS)** that integrates **climate, agricultural and end-users' specifications** to provide information for the **adoption of mitigation strategies to climate change on vineyards.**

VISCA DSS Tool

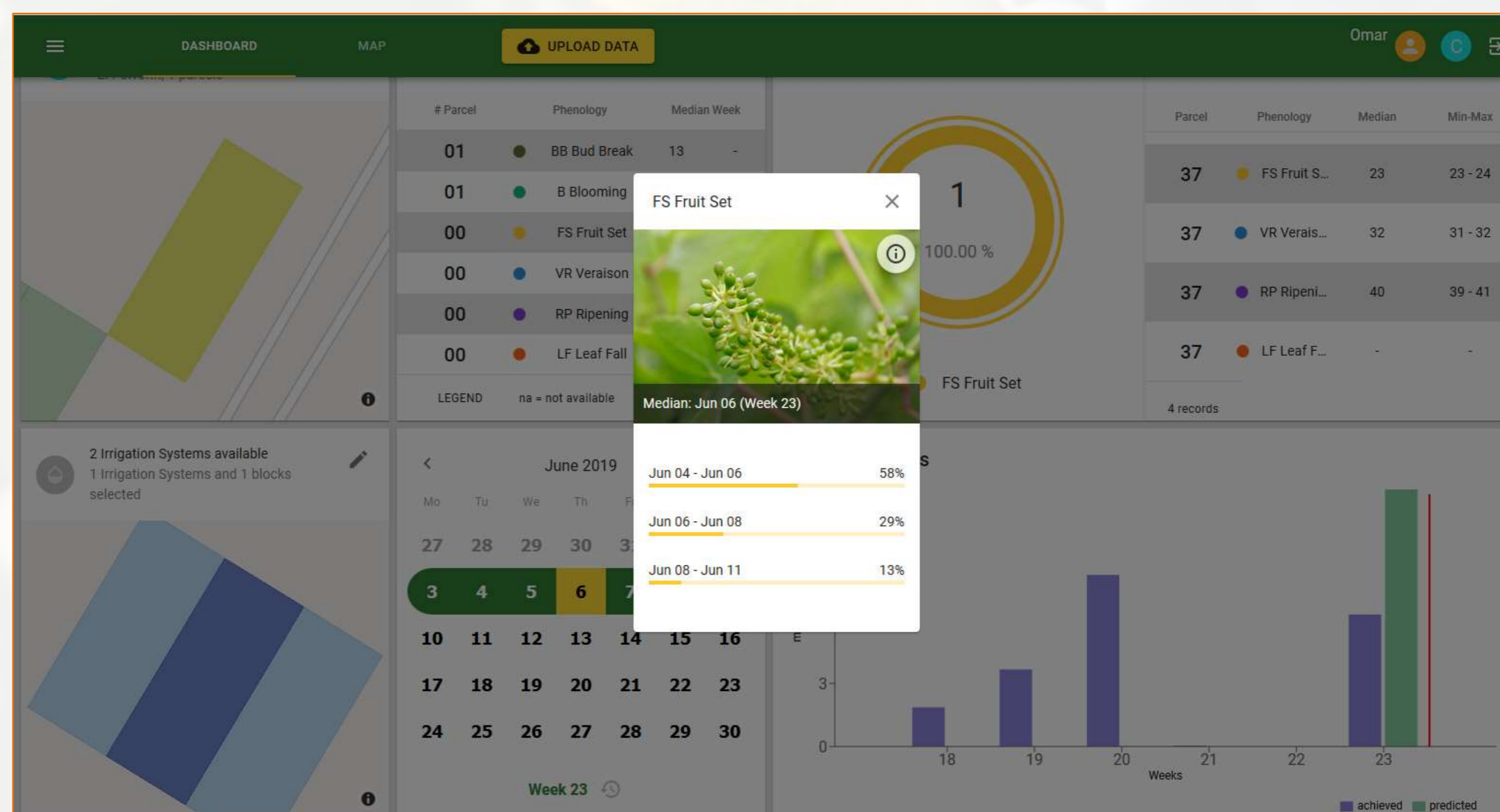
Several data sources are integrated into a Geospatial database:

Inputs

- Parcel characteristics
- Irrigation system design
- Phenological records
- Weather station data

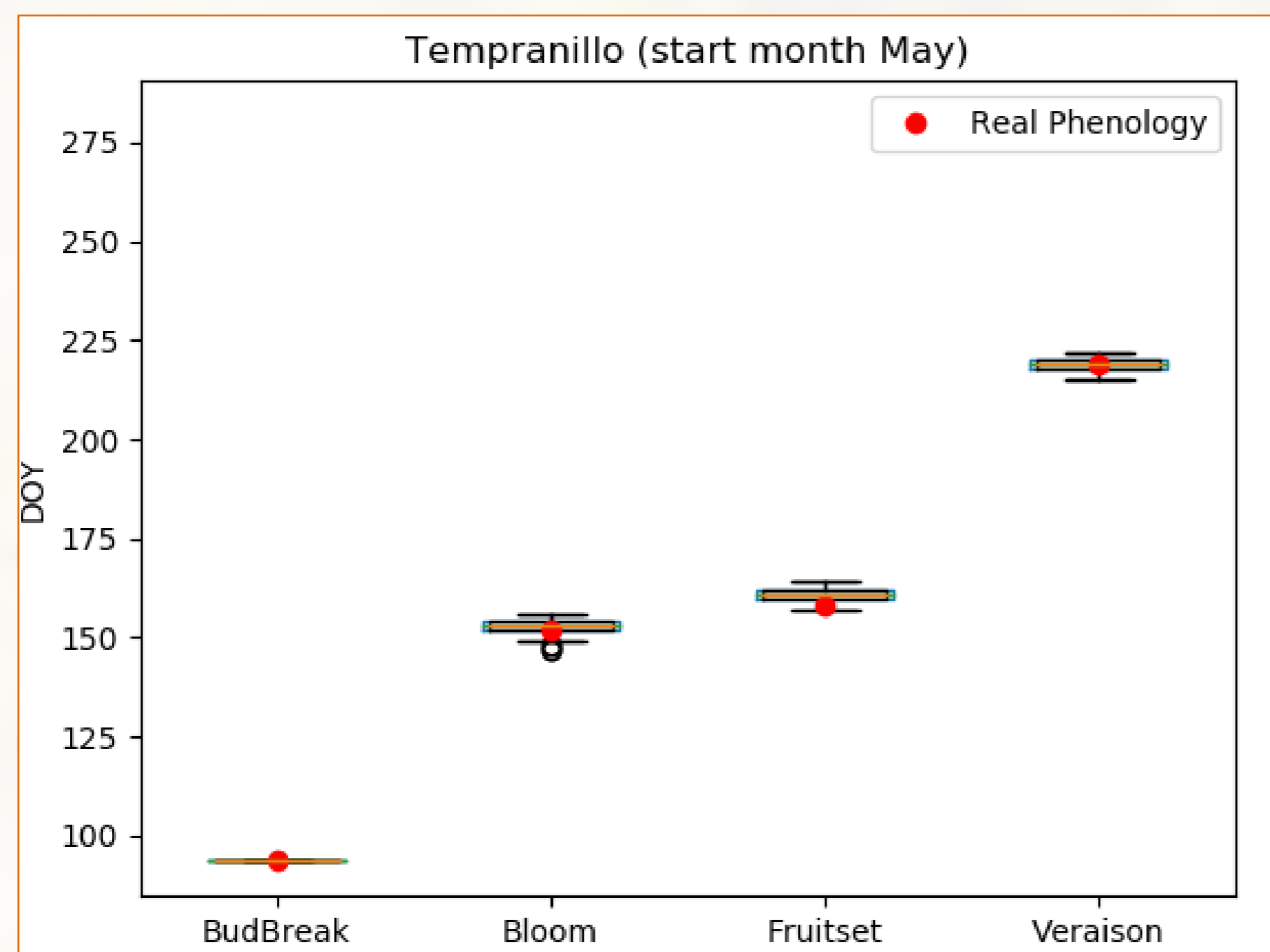
Forecasts

- Weather
- Irrigation
- Phenology

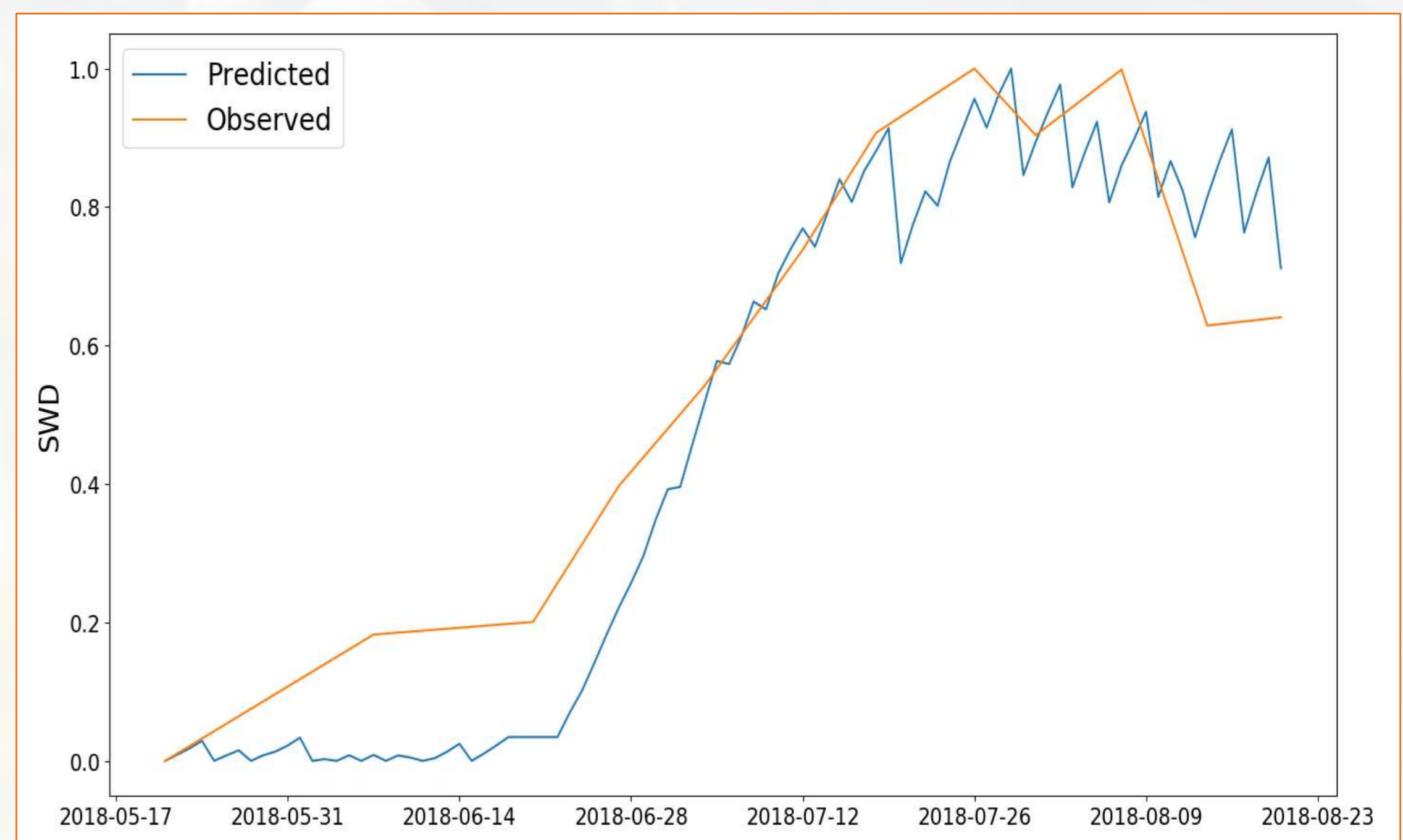


First Validation Results

Phenology



Soil water deficit evolution



www.visca.eu



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