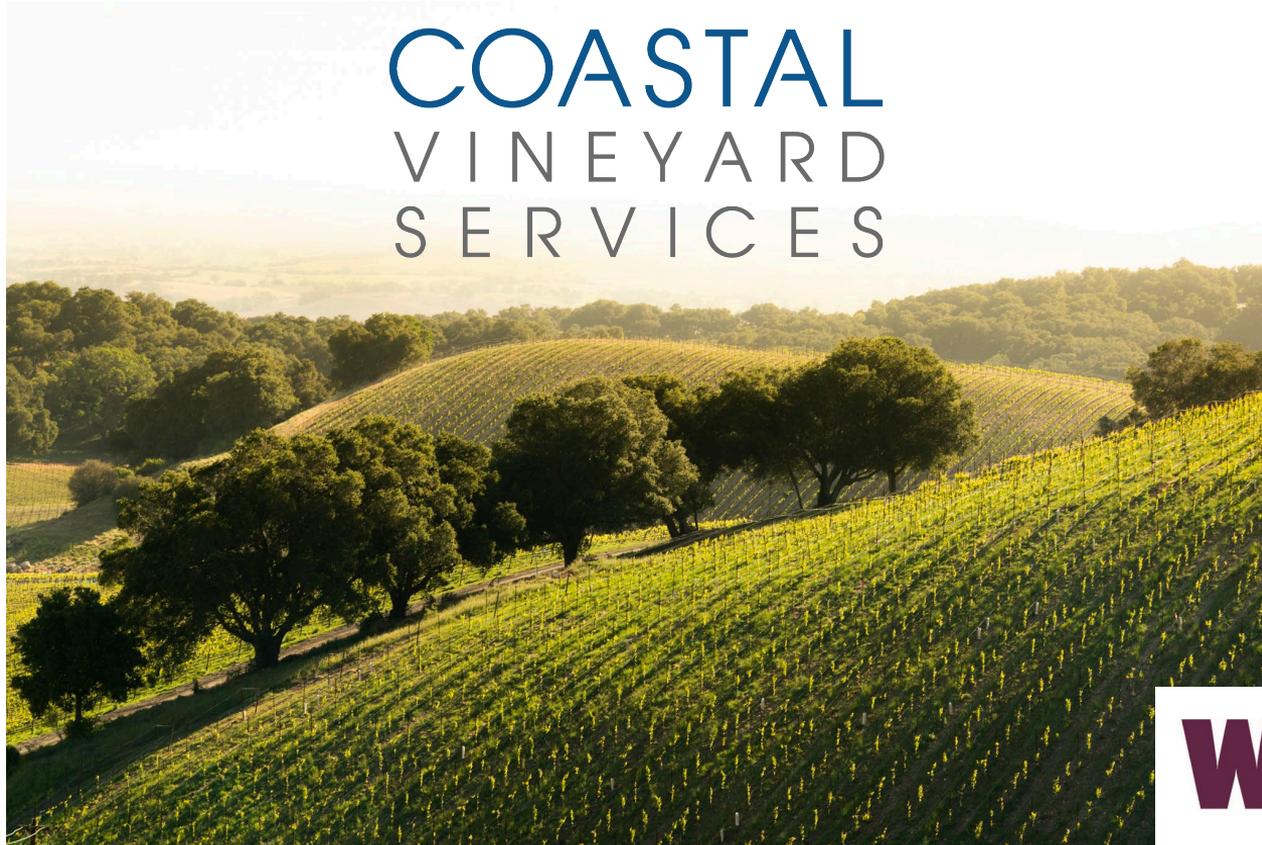


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WIV 2023

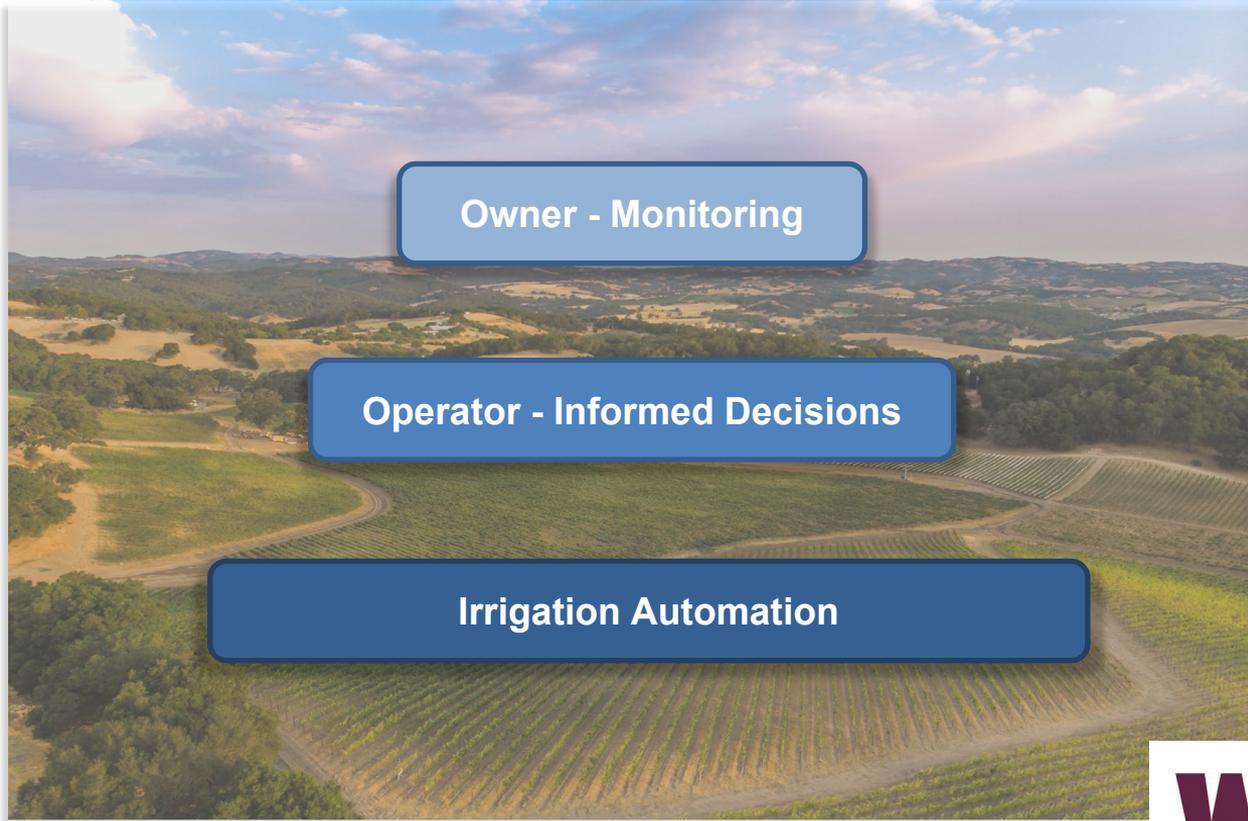
- Technology & Monitoring Vineyards
- Lucas Pope
- Coastal Vineyard Services

Technology & Monitoring Vineyards



WIV 2023

The levels of Vineyard Technology



Owner - Monitoring

Telemetry and Data

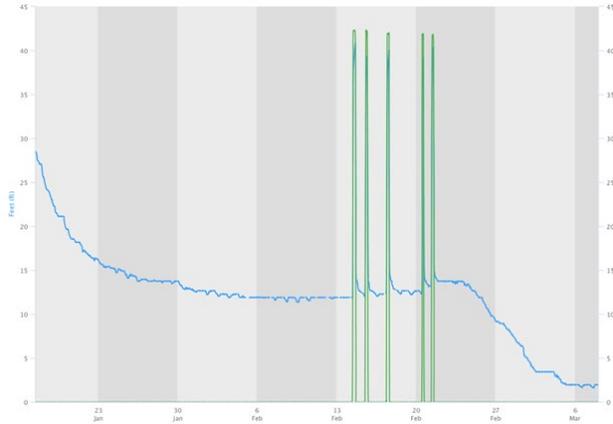
- Wells
 - Level
 - Flow
 - Pressure
- Weather
 - Frost
 - Rain
- Storage
 - Tanks
 - Reservoir

Observational overview of the situation



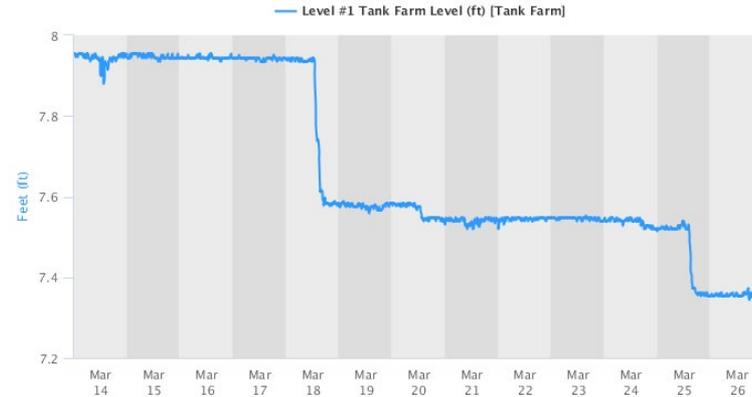
Owner - Monitoring

Well Level and Flow



Tank Level Monitoring

Sector: Custom Chart



Owner - Monitoring

Weather Data

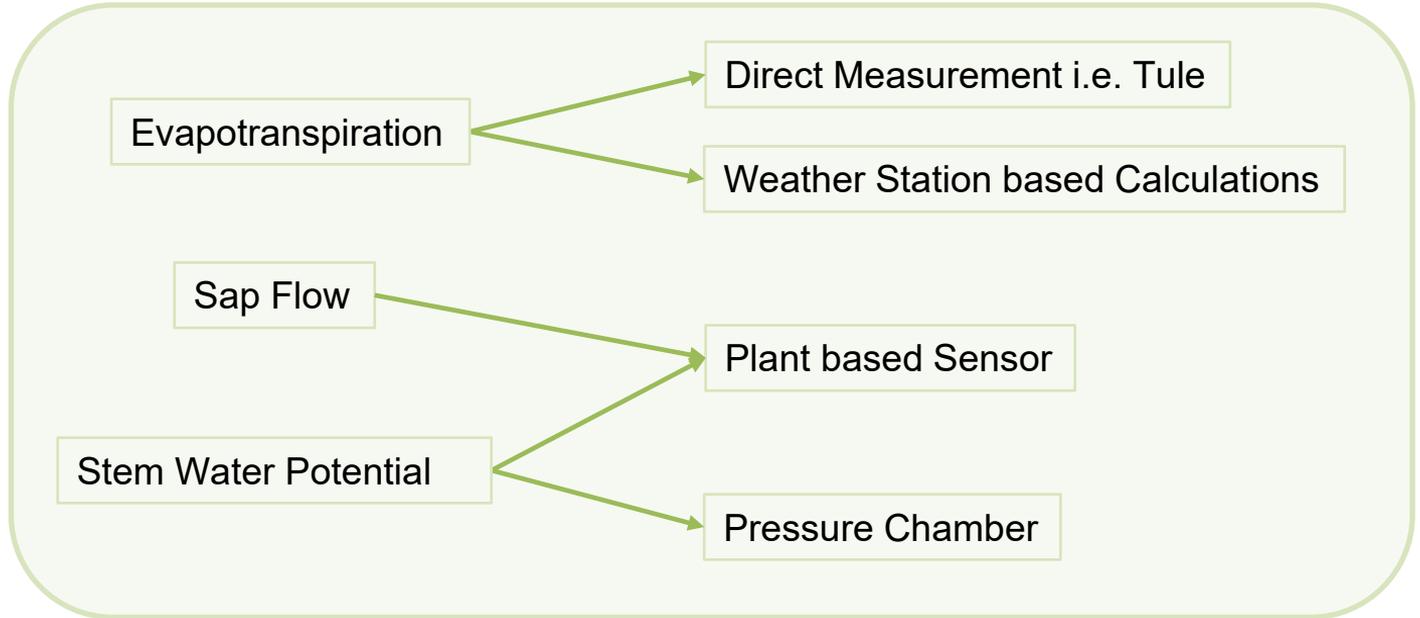
Sector: East Well Zone



Operator – Data for Decision Making



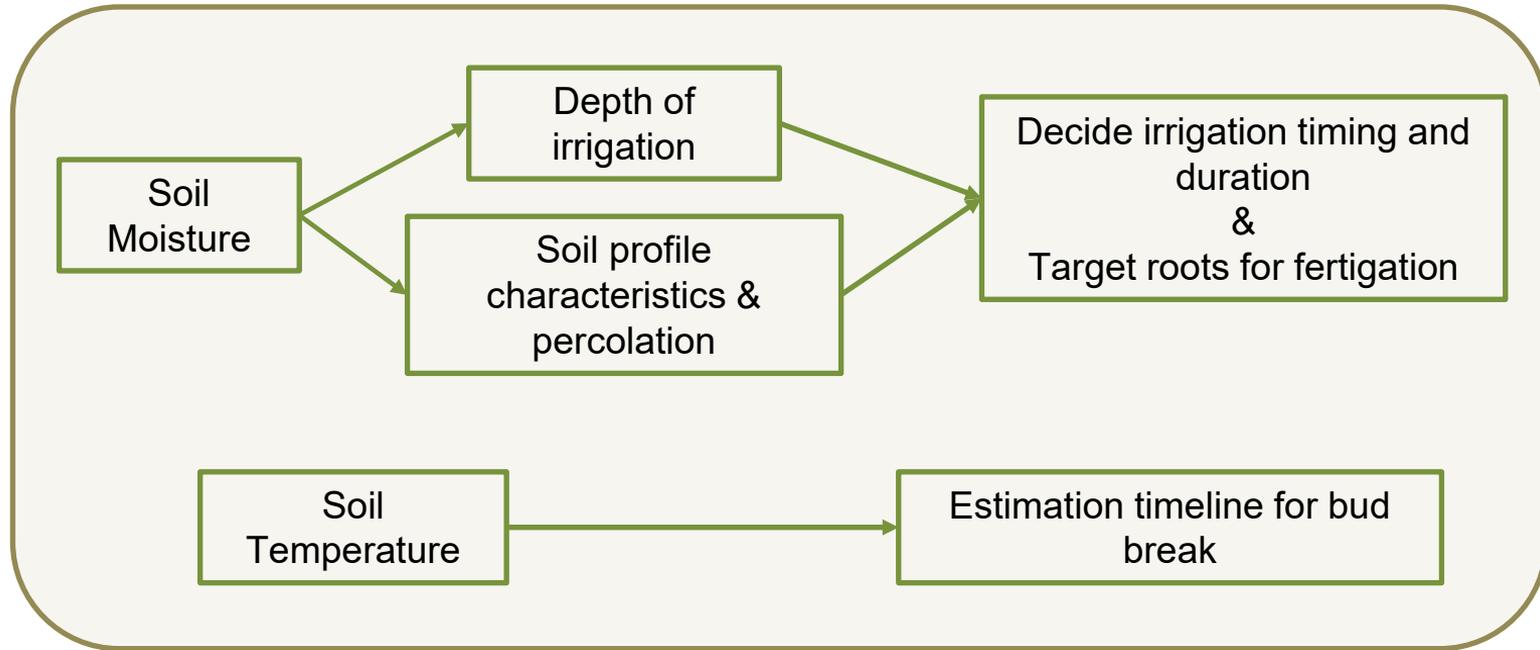
Plant Stress (1/2 of the picture)



Operator – Data for Decision Making



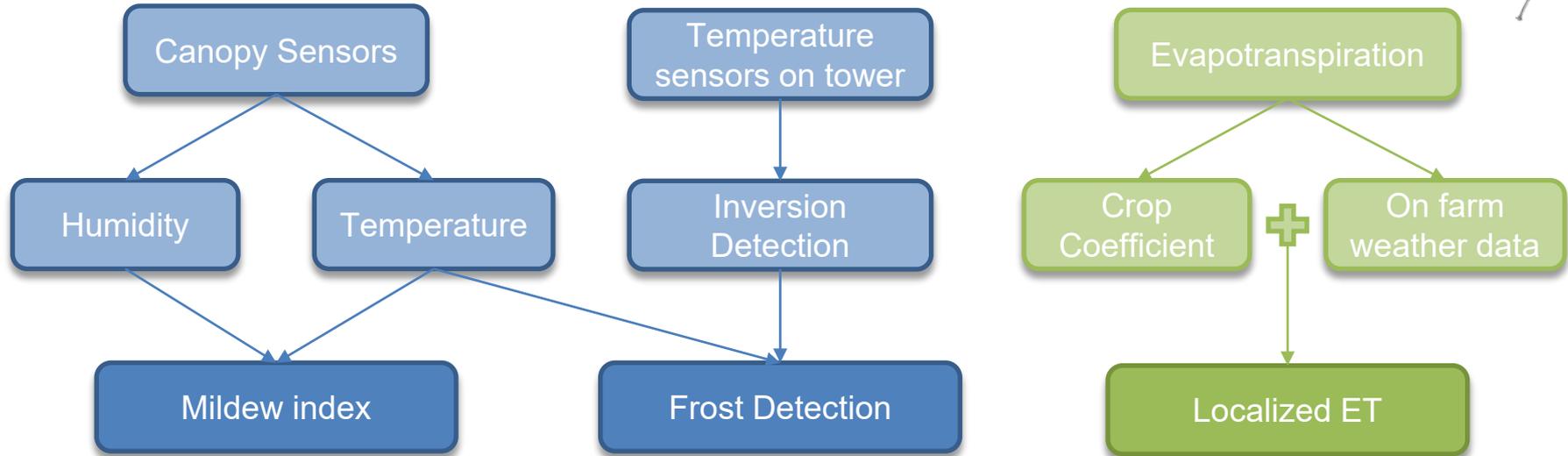
Soil Water (the other half)



Operator – Data for Decision Making



Weather Station Advanced Techniques



*Stations require annual maintenance for reliable data

Automation

Valve Control and Irrigation Scheduling

Where it works best

Small Vineyards where you don't need someone checking lines full time

Fewer blocks so scheduling is fast

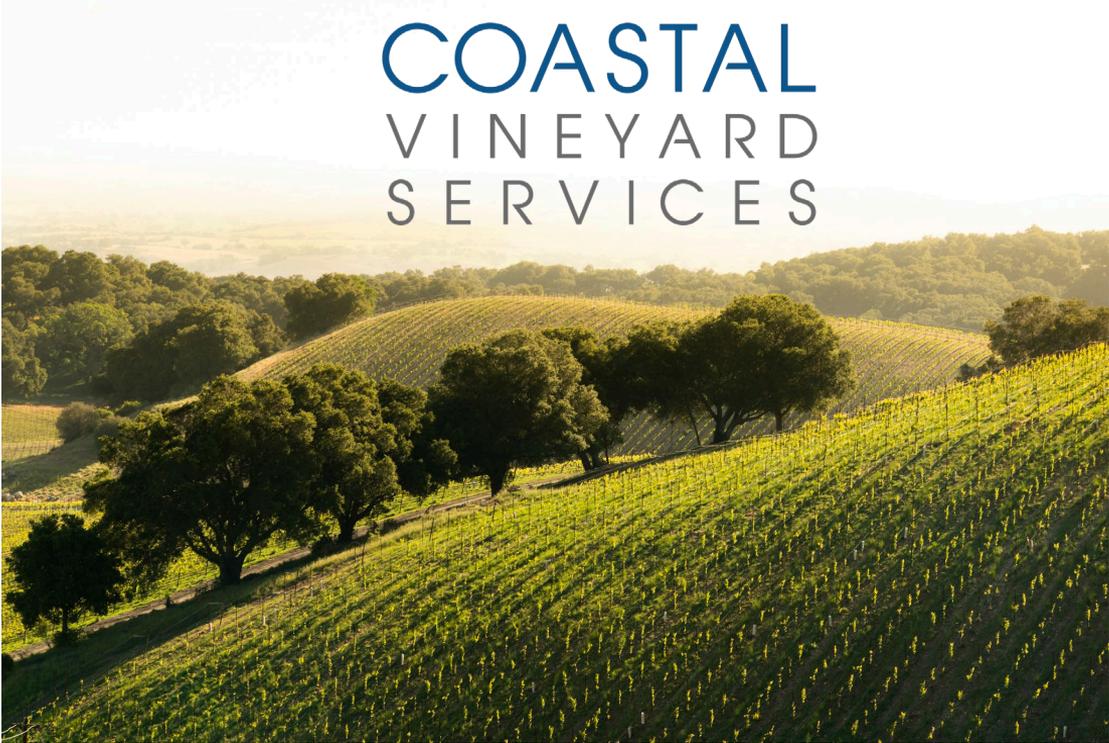
Issues

Expensive and Constant Maintenance

Still requires labor to check lines

Scheduling many blocks is time consuming

Connectivity



COASTAL VINEYARD SERVICES

Contact Information

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23