

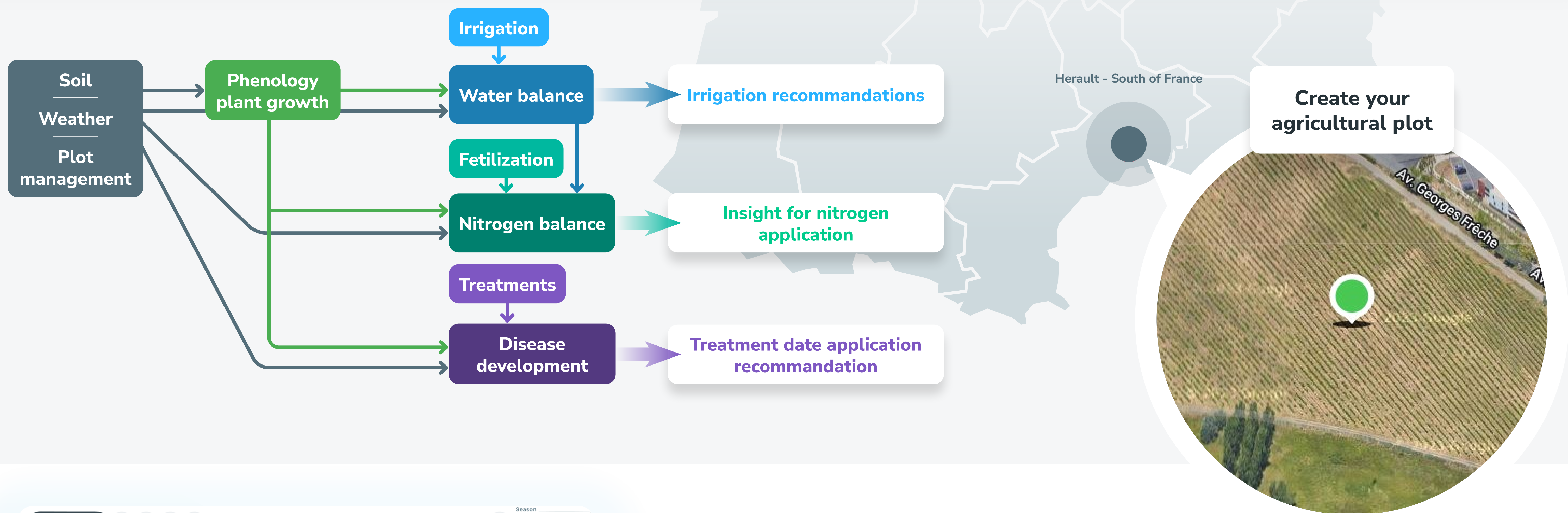
# Vintel®: a single decision support system for irrigation, fertilization and disease management of grapevine



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## Weekly irrigation management

- ➔ Choose your wine profile to manage water stress
- ➔ Visualize predawn and midday leaf water potential along with weather data
- ➔ Irrigate your plot based on predictions of predawn water potential



## Annual nitrogen management

- ➔ Prepare your fertilisation strategy for the next season, monitor its effectiveness over the season, and assess its effectiveness at the end of the season
- ➔ Monitor the prediction of the contribution of organic fertilizers to available nitrogen in the soil, depending on climatic conditions and soil properties.
- ➔ Evaluate the impact of cover crop management on the nitrogen available in the soil when incorporated.



## Daily disease management

- ➔ Adapt simulations to plot disease sensitivity
- ➔ Visualize disease pressure throughout vine phenological stages and during both powdery mildew and downy mildew biological stages
- ➔ Choose your phytosanitary product and visualize the effect on simulated disease pressure



### Some references:

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