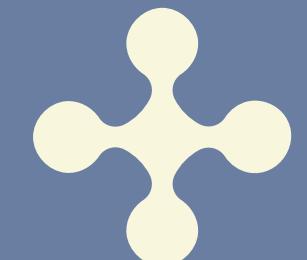




# Crop Genie

Your ultimate ally for  
perfect planting

Presented by:  
Sofia Araújo



# The Problem



**Uninformed crop\***  
**choices**



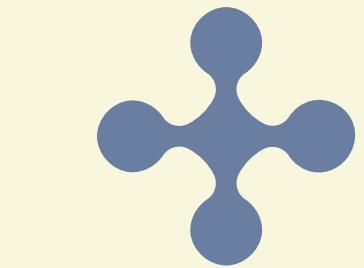
**Water dependency  
and future risks**



**Lack of decision tools**

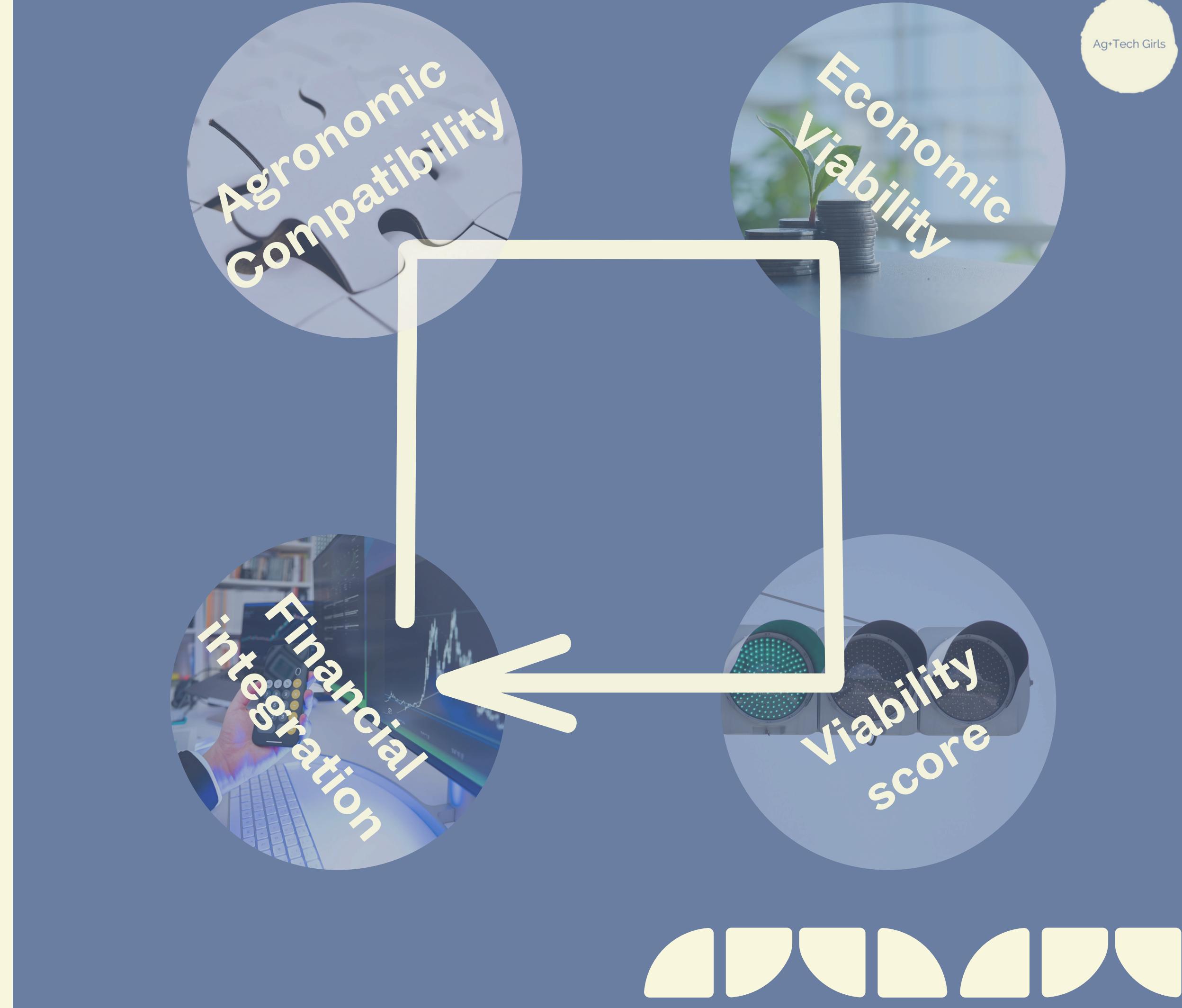
\*Crop: any plant or plant product that is grown and harvested on a large scale for profit or to meet human needs

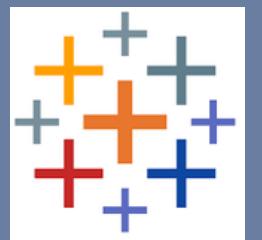




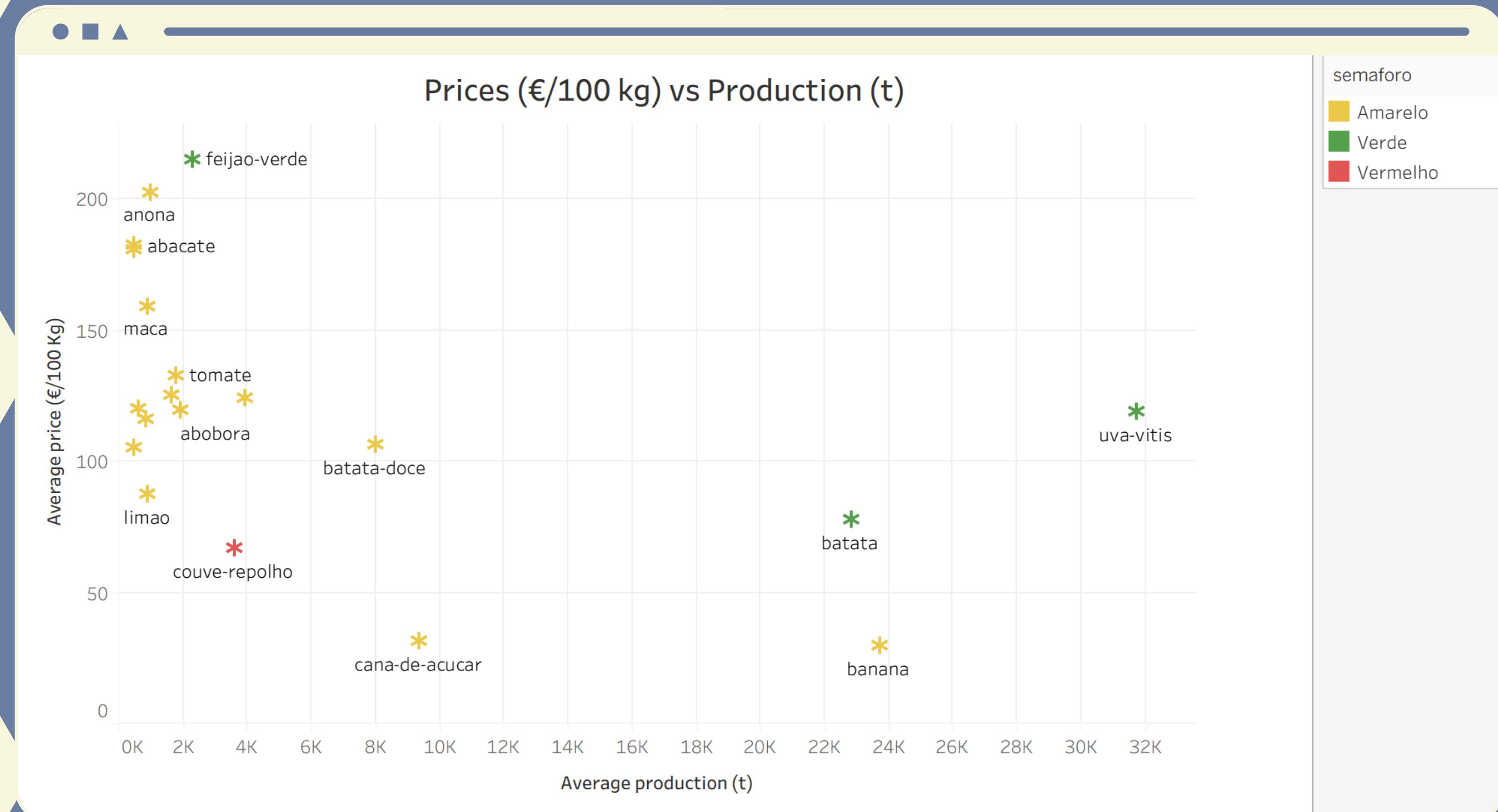
# The solution

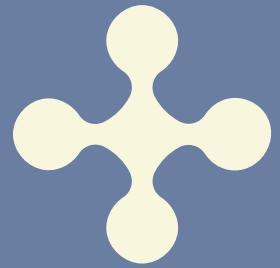
Decision-Support  
Tool





# The Data Engine





# The solution

Streamlit link



# The Value for the Farmer



## **Top crops win**

We identify the most profitable crops

## **Less risk**

Avoid volatile investments

## **Right decisions**

Threshold for success made visible

## **Trustworthy**

Score actually explains revenue drivers

## **Reliable**

Recommendations stay stable under variations

# The Impact

Smarter, more profitable crop planning

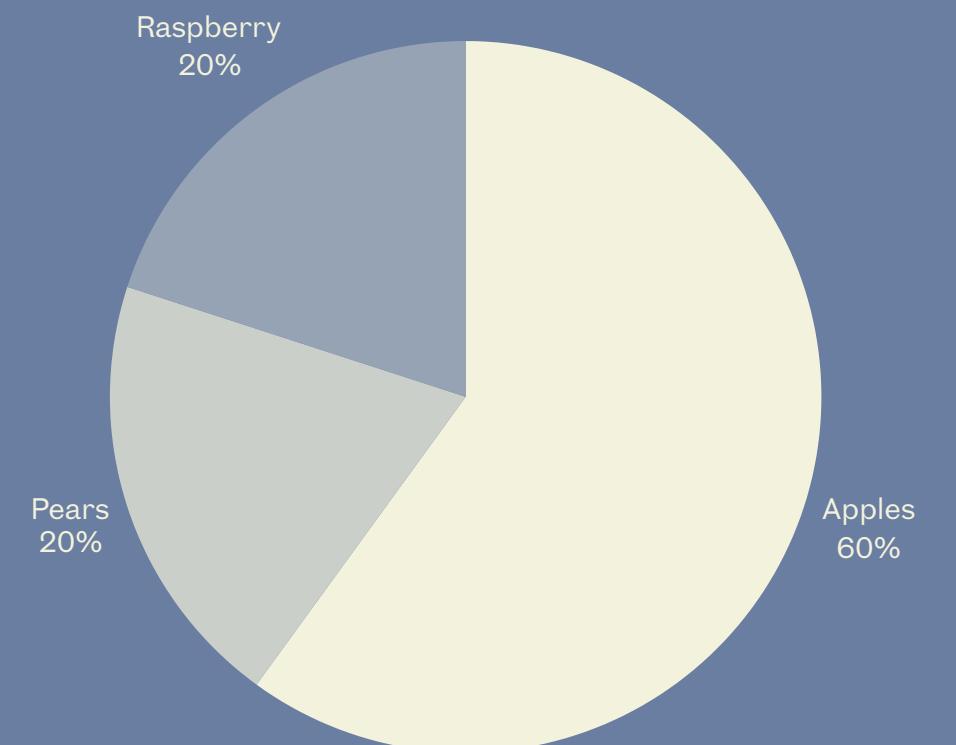
Anticipate climate and market risks

Scalable: costs, subsidies,  
international competition can be  
added



# Next steps

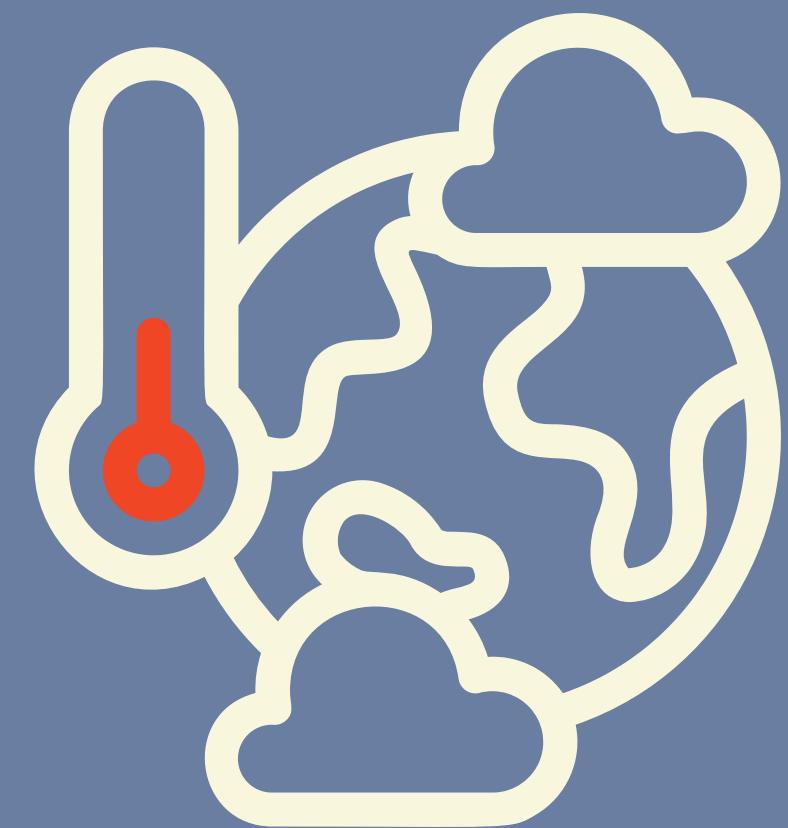
How much to  
plant?



Where to  
plant?



Temporal  
Dynamics





We've transformed scattered data into practical intelligence for Madeiran agriculture, simply answering the big question:



**Is it worth  
planting figs  
in Madeira?**

