

# MEETING THE GLOBAL CHALLENGE

**Farmers** need to **produce more** using **less** and being more **sustainable**



THE ANSWER IS  
**DATA**







IRRIGAR  
9mm

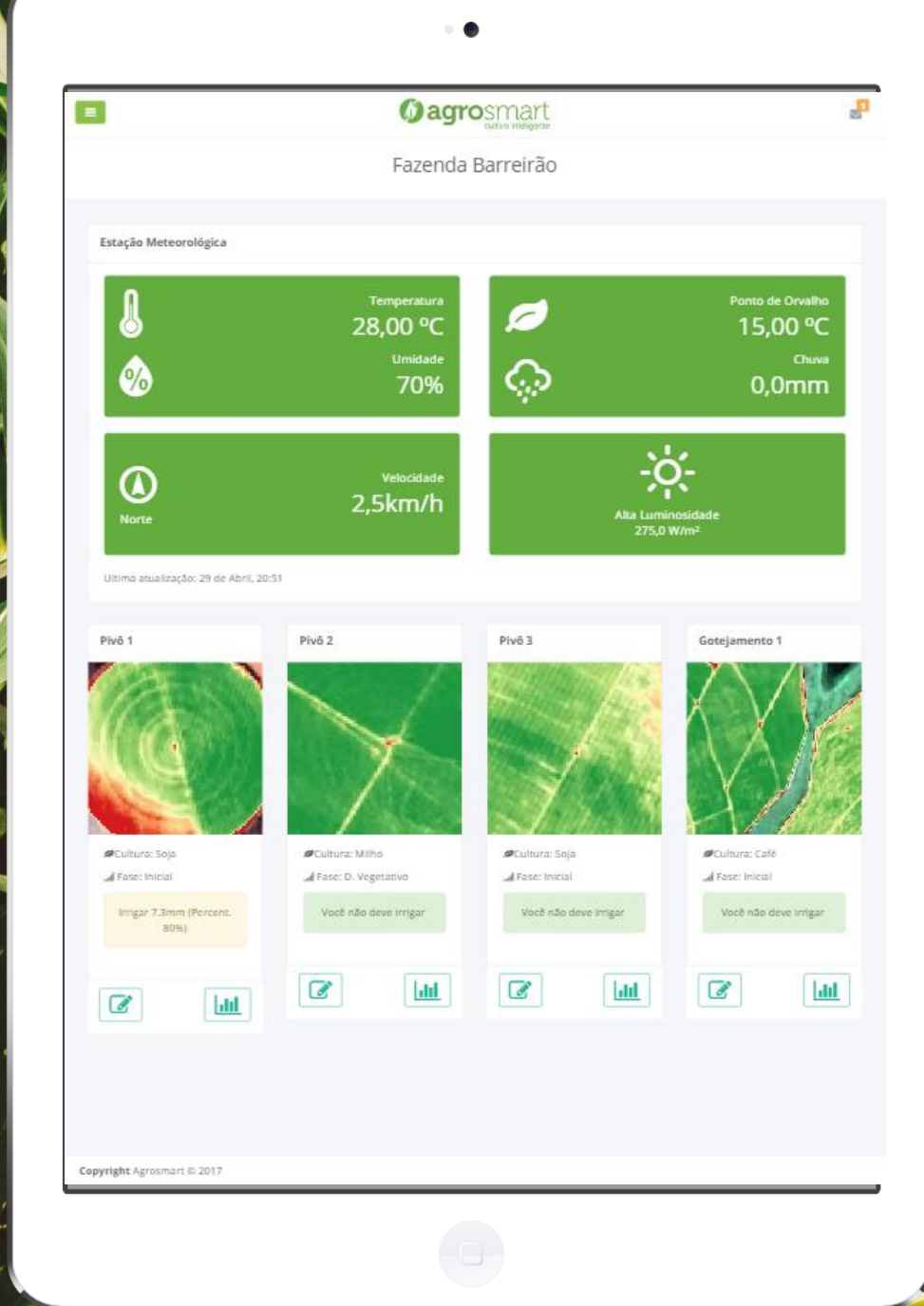
“

We bring digital agriculture to developing countries with low Internet infrastructure under tropical agronomic conditions.”











## HISTÓRICO



KAIROS SOCIETY<sup>®</sup>

raízen



DEZ/2014



SINGULARITY  
UNIVERSITY



ABR/2015



JUN/2016





CASE STUDY

# Increasing the sustainability and resilience of guava producers

- 1) Reduce water consumption and increase yields
- 2) Increase transparency and traceability in the supply chain
- 3) Reduce climate risks and improve resilience







WHERE

São Roque do Canaã, ES  
**Guava farmers**  
**Drip Irrigation**



# HOW

- Climate monitoring system and irrigation recommendations
- Specific for each smallholder farm
  - Shared economy model





Engagement of producers is  
key to the success of the  
project





# BENEFITS



- Real-time value chain monitoring
- Recommendations and insights for improving management
- Indicators and KPIs for Sustainability Assessment
- Customizable reports

- Tailored recommendations and actionable insights for each plot
- KPIs and benchmarks enable producers to improve efficiency and increase incomes
- Producers more adapted and resilient to climate change