



OUR PATH UNTIL NOW



197.600 monitored acres in irrigated areas



370% growth in 2017



Customer engagement: access in **6x per day**



CUSTOMERS













@ ORFEU















INSTITUTIONAL PARTNERS









AWARDS











COMMUNITIES













KAIROS SOCIETY°





REVOLUTIONS

IN AGRICULTURE



1970

GREEN

REVOLUTION

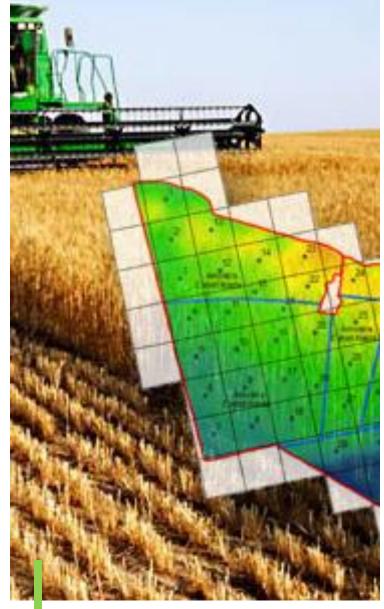


1980
DIRECT
SEEDING



1990

BIOTECHNOLOGY



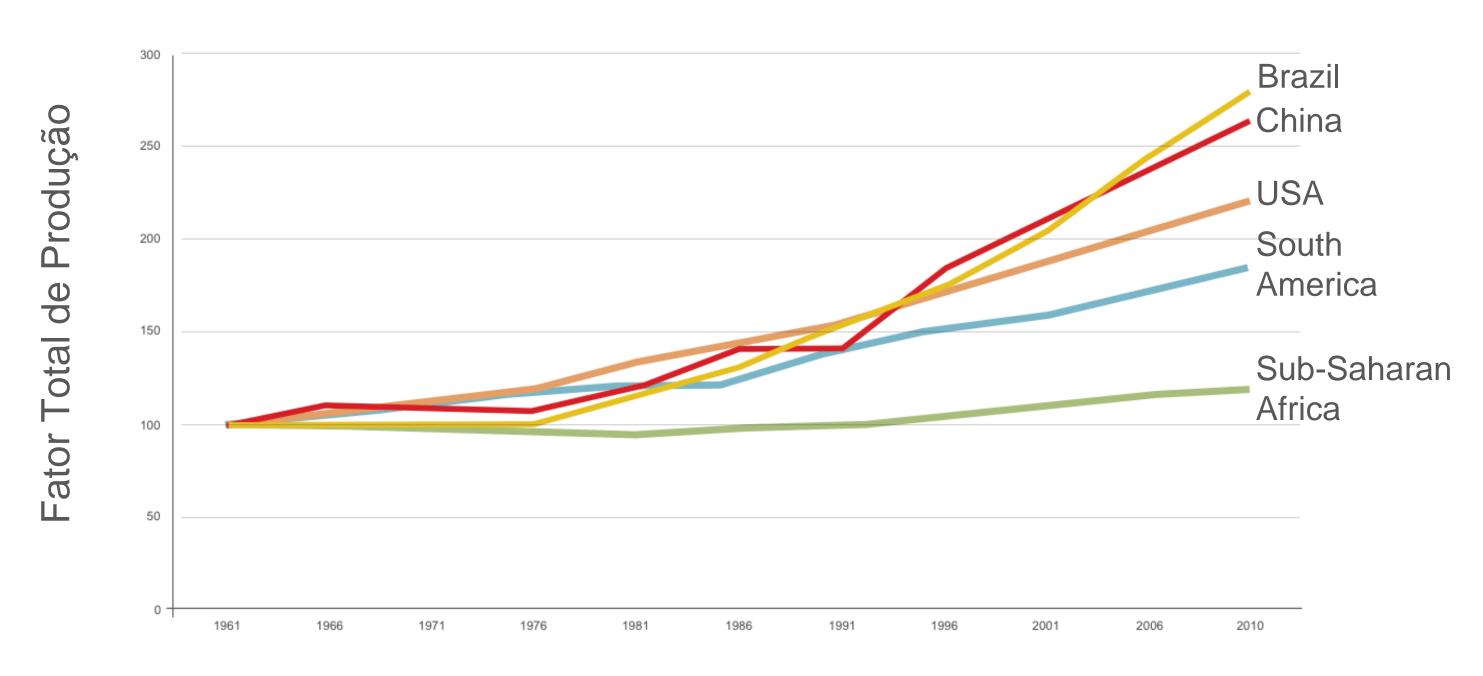
2000

PRECISION

AGRICULTURE



IMPACTS ON YIELDS



Source: USDA

(2013)



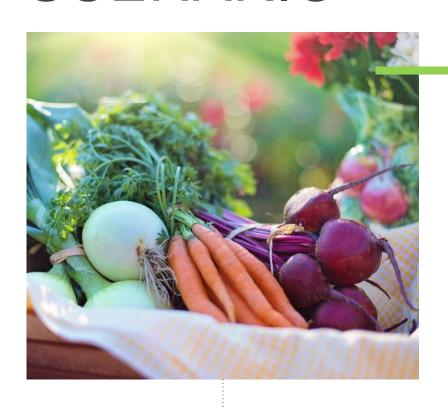
HOW TO FEED

9 BILLION

PEOPLE

IN 2050?

CURRENT SCENARIO



WE NEED TO INCREASE

FOOD PRODUCTION IN 70%

BY 2050



1/3 OF FOOD
IS WASTED



TECHNOLOGY WILL BE
RESPONSIBLE FOR

90% OF THIS DEMAND









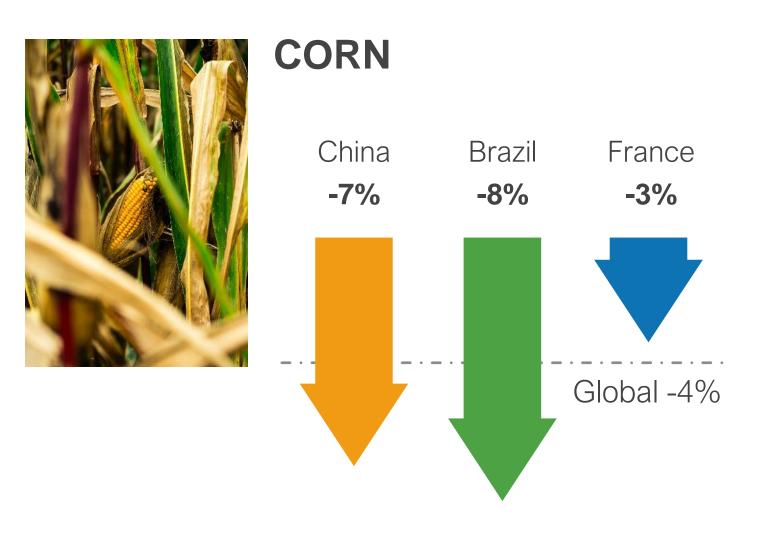
+20% OF THE WORLD'S
CULTIVATED AREA IS
IRRIGATED,

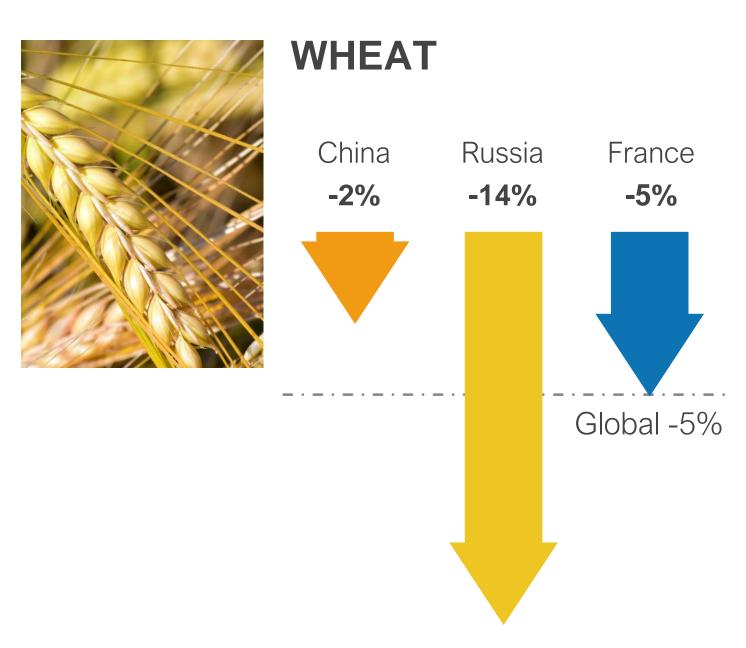
AND IS RESPONSIBLE FOR

40% OF OUR AGRICULTURE OUTPUT



CROP LOSSES ALREADY OCCURRING







MILLENNIALS WILL BE 75% OF THE CONSUMERS IN 2025

AND ARE DRIVING NEW PURCHASING BEHAVIOURS:





Sustainability

Positive Impact





Transparency

Traceability

Fonte: Deloitte food value equation survey 2015, Deloitte analysis

FUTURE OF FOOD

Agricultural Biotechnology

Laboratory Grown Food

Robotics, Mechanization and Automation

Sustainable Business



Vertical Agriculture

Artificial Intelligence and Blockchain

Climate Smart Agriculture







SOURCES OF DATA



Inputs from farmers



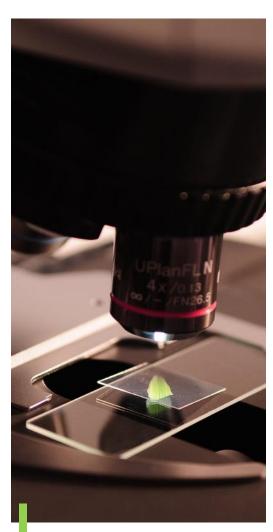
Agricultural Machinery



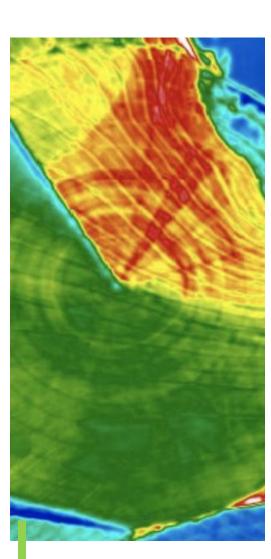
FieldSensors



Drones & UAVs



SeedsGenetics



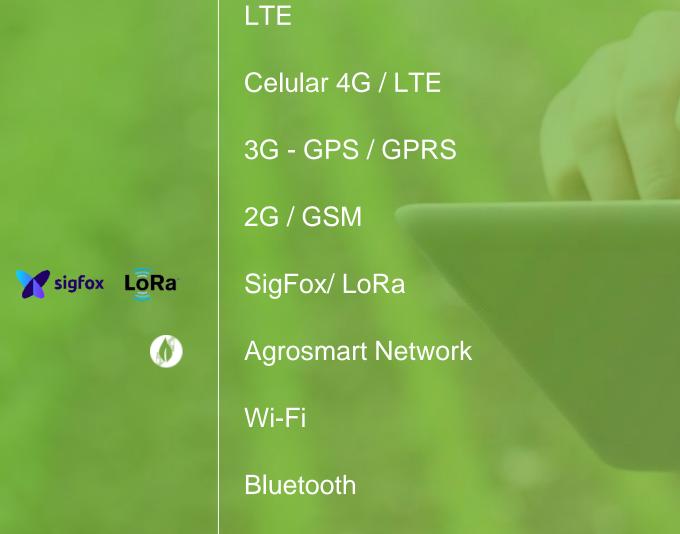
Satellite Imagery

CONNECTIVITY IN THE FIELD

Satellite

RFID

Ethernet



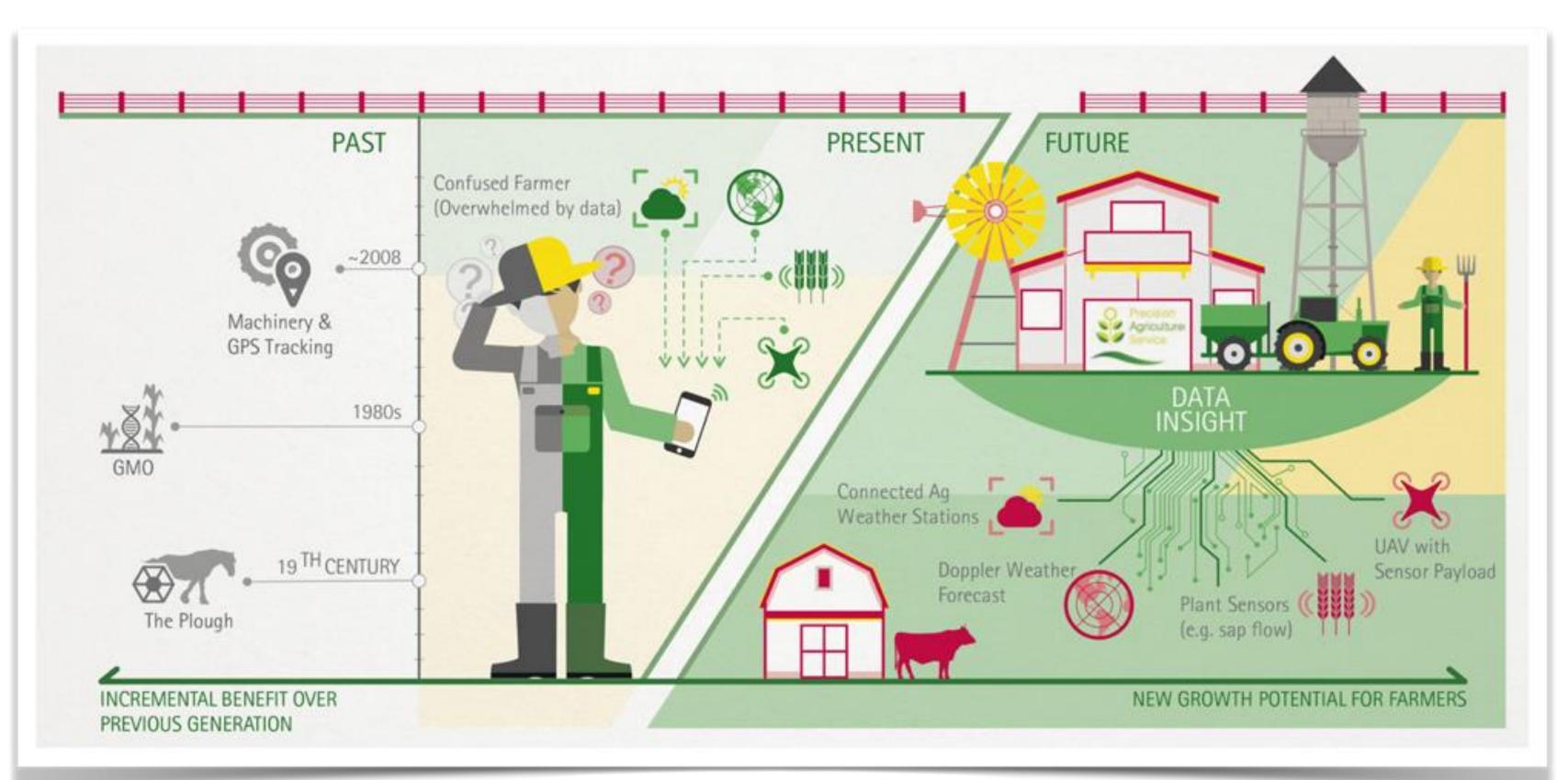


USING DATA FOR AGRONOMIC AND CLIMATE MODELS



POSITIVE IMPACTS AGRICULTURAL PRODUCTION







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





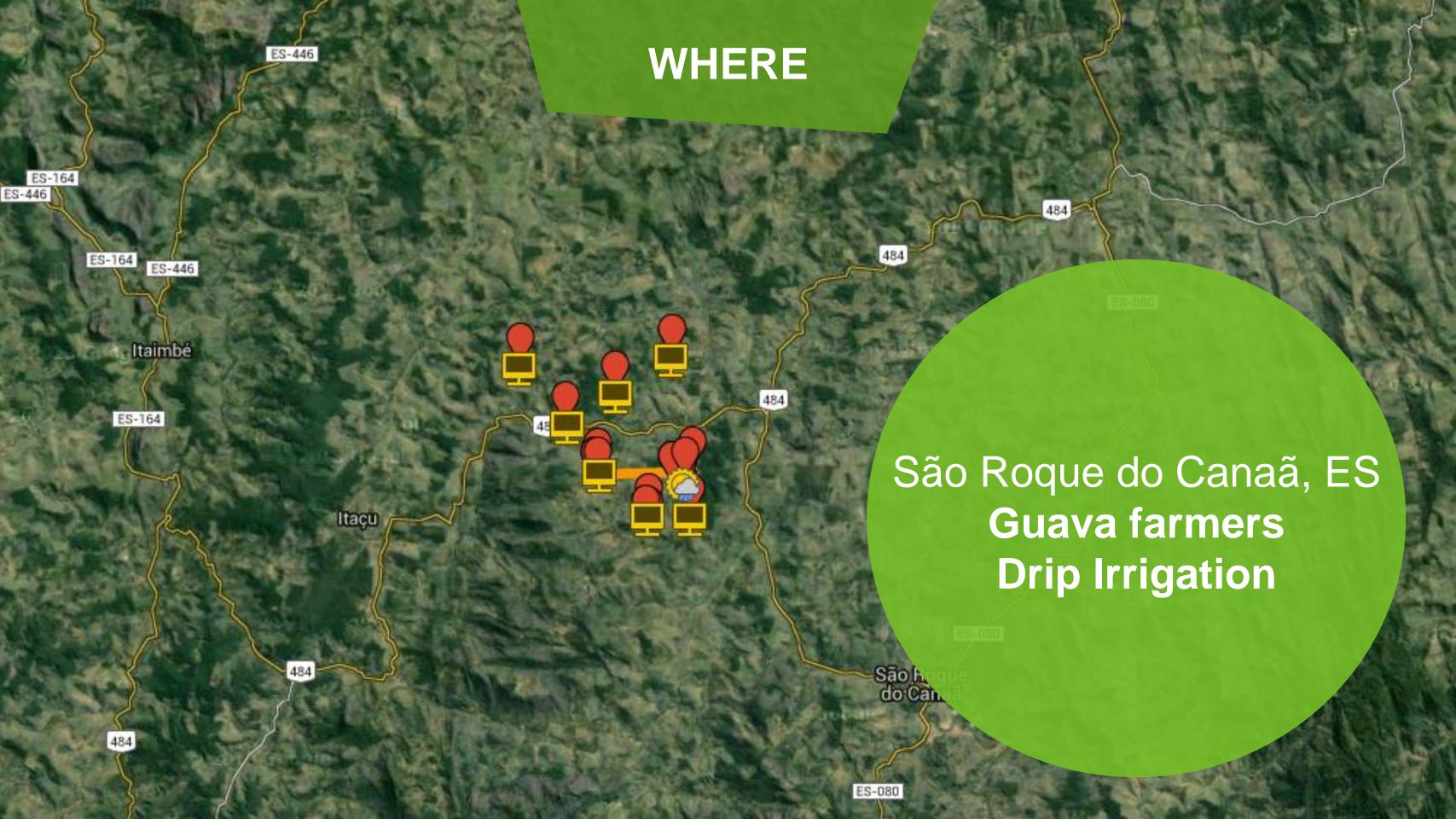
ENVIRONMENTAL GOALS

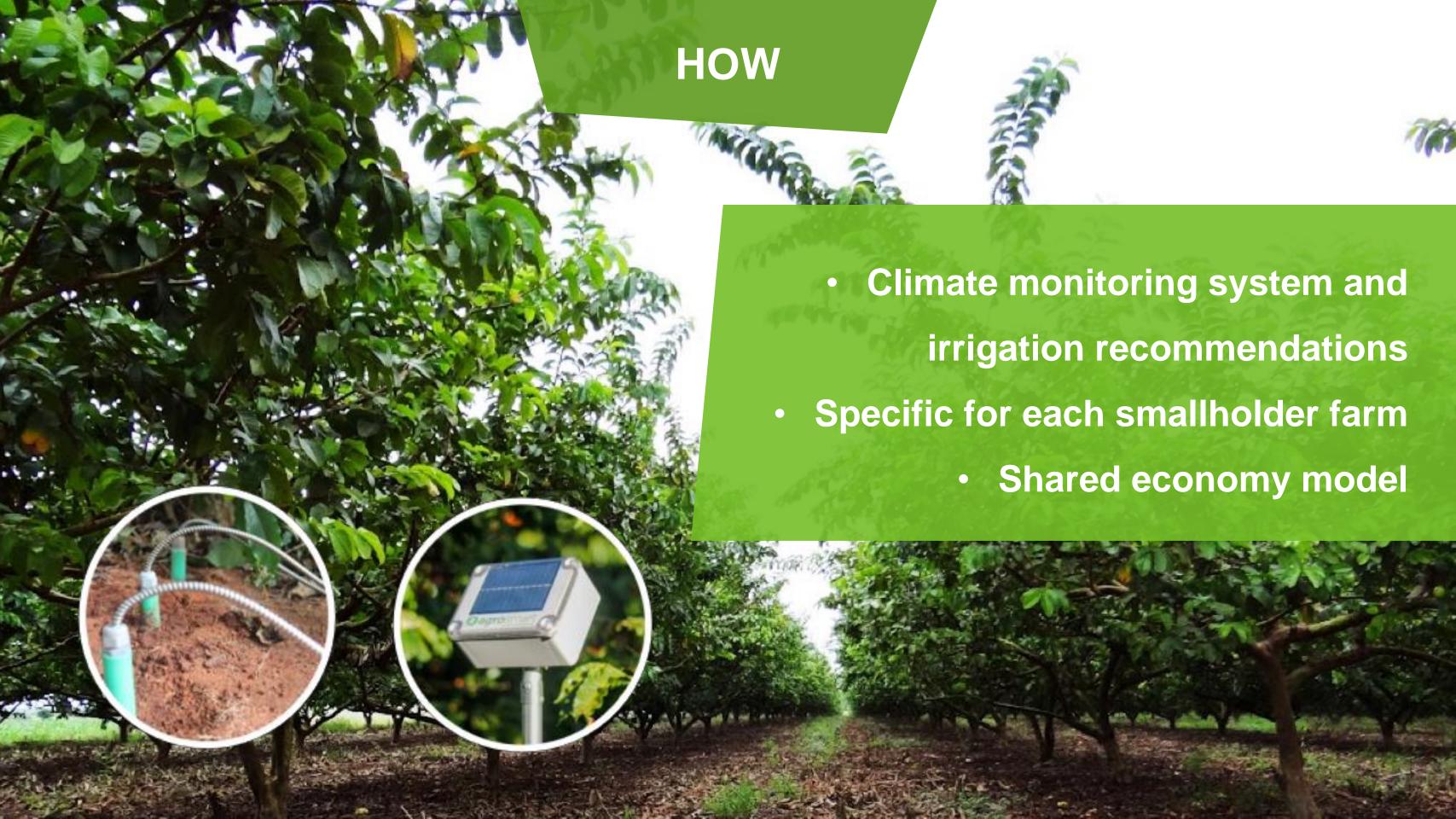














Engagement of producers is key to the success of the project





THE FUTURE DEPENDS ON INTEGRATION AND COLLABORATION

