




BrioAgro
Technologies


Solving water scarcity



WATER SCARCITY




785 MILLION
PEOPLE REMAIN
WITHOUT EVEN
BASIC DRINKING
WATER
SERVICES (2017)



BY 2030,
700 MILLION
PEOPLE COULD BE
DISPLACED BY
INTENSE
WATER SCARCITY

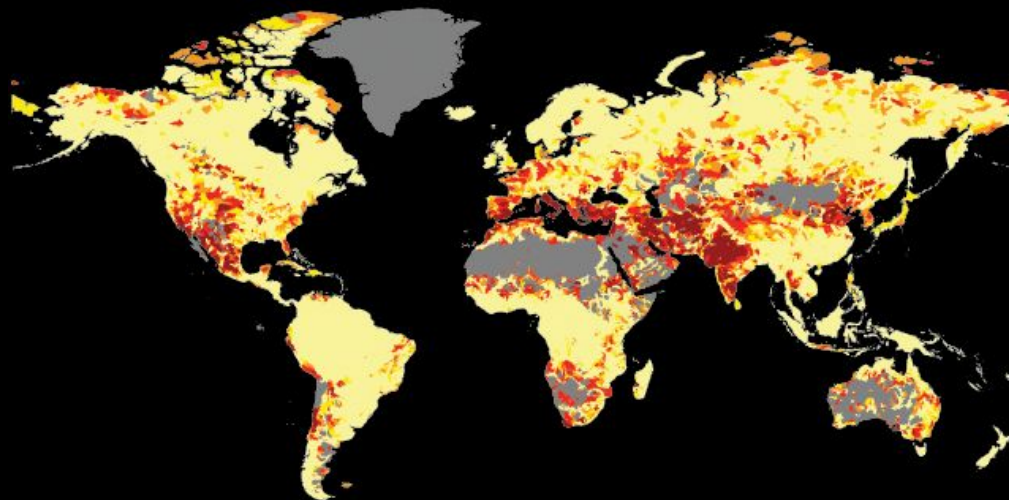
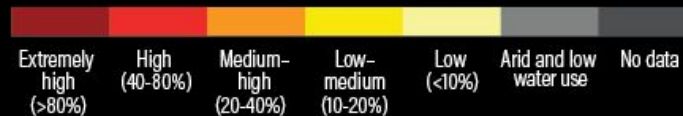
6 CLEAN WATER
AND SANITATION


**ENSURE AVAILABILITY AND SUSTAINABLE
MANAGEMENT OF WATER AND SANITATION FOR ALL**



United Nations | **UN WATER**

BASELINE WATER STRESS



Source: wri.org/aqueduct

WATER IN AGRICULTURE

- 80% of the world's freshwater is consumed by agriculture
- There are 325 million hectares of irrigated land in the world
- Most farmers continue to use observation for irrigation, wasting a lot of water and damaging the crop by drowning



FARMERS' PROBLEMS

- **Water restrictions** (global warming)
- **High costs** (water, energy, fertilizers, labour)
- **Pricing pressure** (competitive markets)
- **Health and quality controls** (QA)
- **Low qualification** of the labor force



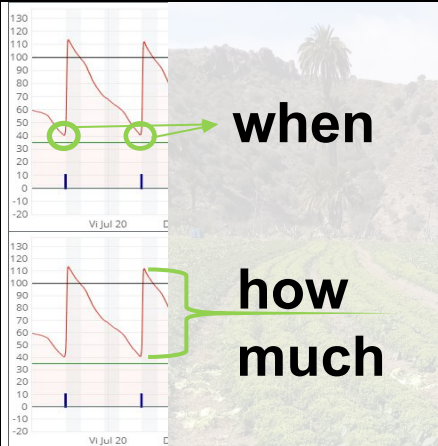
OUR SOLUTION

- BrioAgro is an affordable **smart irrigation system solution** based on IoT and ML
- Based on information obtained by **sensors in the field and satellite**
- **Irrigates automatically** adapted to each soil, crop & weather



HOW IT WORKS?

BrioAgro's soil moisture calibration algorithm irrigates just when the plant needs it by connecting to any irrigation system the customer may have



HIGHER PROFITABILITY

- **Up to 50% cost reduction**
 - Water
 - Energy
 - Phytosanitarios
 - Fertilizers
 - Manual labor
- **25% to 75% size and flavour increase**
 - Reduction of bald spots in the field

Conventional watering
(12 cm)

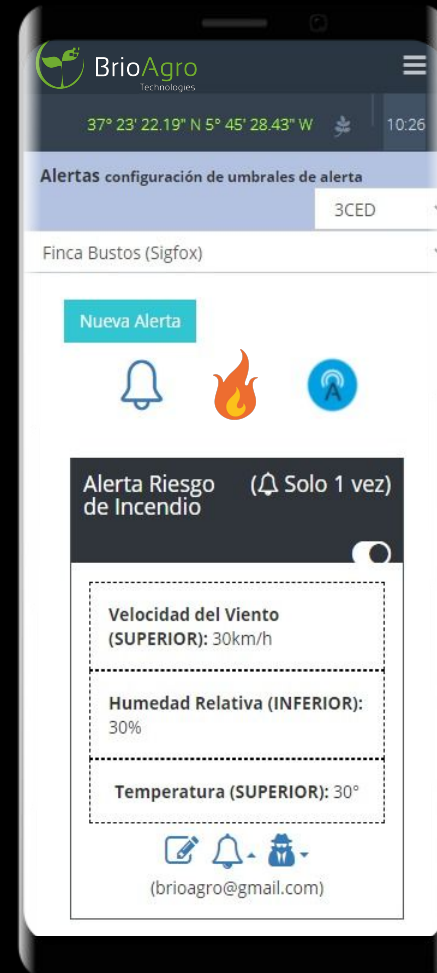


BrioAgro's smart watering
(22 cm)



HIGHER SAFETY

- BrioAgro is able to send **real-time alerts to the farmer's cell phone** when it detects problems on the farm
- Detects **fires, pipe breaks, electrical failures, possible pests, etc**
- Allows the farmer to create his own **customized alerts**



HIGHER COMFORT

- Allows the farmer to **irrigate automatically or remotely by cell phone**
- Allows **remote monitoring** of the evolution of the farm without the need for constant trips
- Gathers real-time information from **all farms in a single point of contact**



PORTFOLIO

- **Catalog:** 4 indoor/outdoor products for 45 types of crops (fruits, lettuce, tomatoes, peppers, potatoes, olives, wine, etc)
- **Clients:** +350 installations (Spain, Portugal, Italy & Mexico) with +10 big players
- **Roadmap:**
 - 2022: Europe, LATAM & MENA
 - 2023: Africa, USA & Canada



HITS

BrioAgro featured at FoodTech 500



SDG of BrioAgro



1st Prize Water Scarcity Challenge European Commission – EIT Foods



1st Prize and investment World Business Angels Forum





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