



Tomato News Conference 2022

New Company and CropScope introduction DXAS Agricultural Technology

26th October 2022

DXAS Agricultural Technology
CEO Kengo Nakata

Our Vision

Innovate the world's agriculture with DX solutions.

Delivering optimal cultivation solutions created by incorporating skilled farming techniques into AI

We are bringing the era of accurate and efficient agriculture to everyone by delivering optimal cultivation solutions to each field.

We are innovating agriculture and supporting farmers around the world.

We will contribute to a sustainable future by innovating agriculture and supporting farmers around the world.



DXAS Promotion team



CEO K.Nakata



COO Q



Tiago



Ana



Carlos

Kagome Smart-Agri



Naoto



Norika



Megu



Akihiko



USA



Robert



Armando



Michael

Italy, Spain



Mario



Ana



Roman

Technical Collaboration



NEC CropScope team



Hiromi



Shintaro



Kosuke

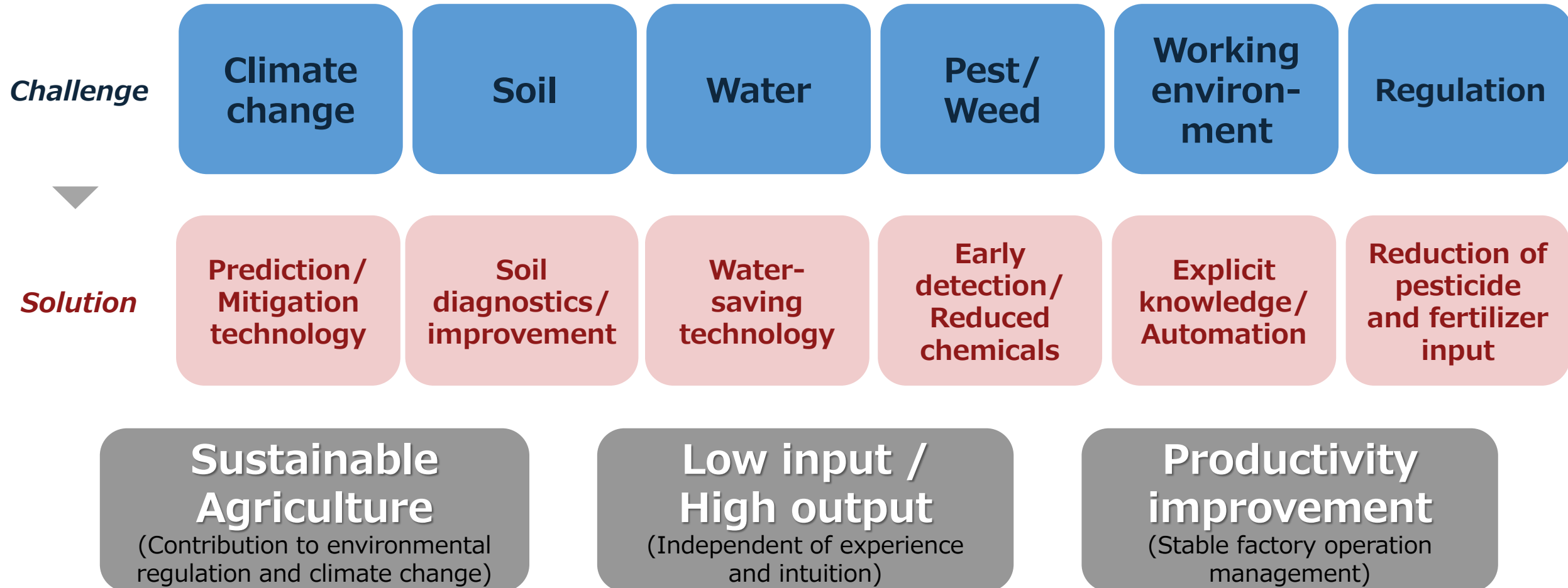


Hikaru

Our Goal

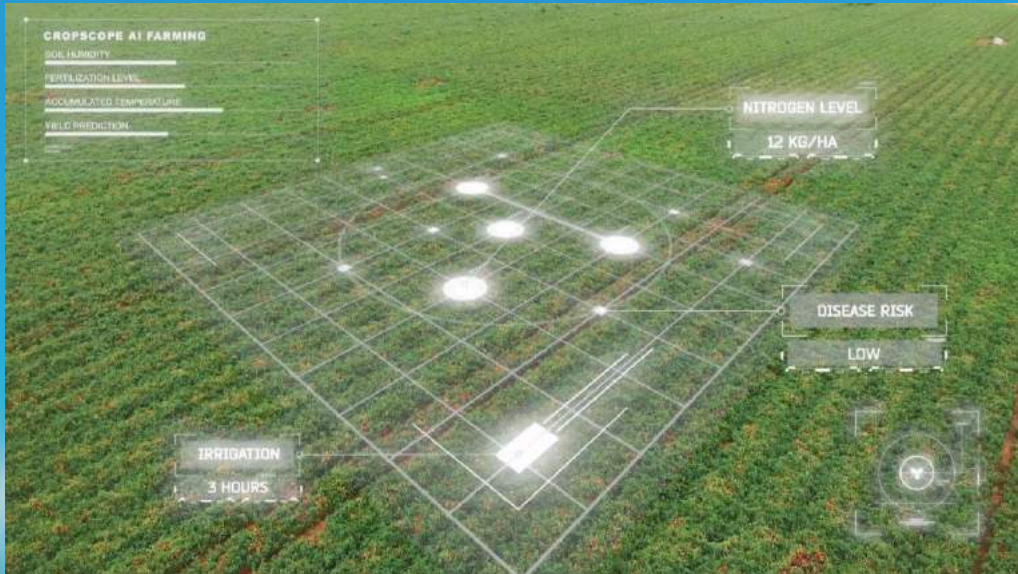


We provide total solutions based on Agronomy x Technology and achieve agricultural innovation for the next-generation on processing tomato cultivation and production.



Points to be strengthened in the new company

- Accelerate development of new values and enhancement of services based on accumulated AI technologies
- Deployment of agronomy skilled person in each country to support optimal service proposals and technology application



Accelerate Technology and service development



Strengthening of service delivery organization

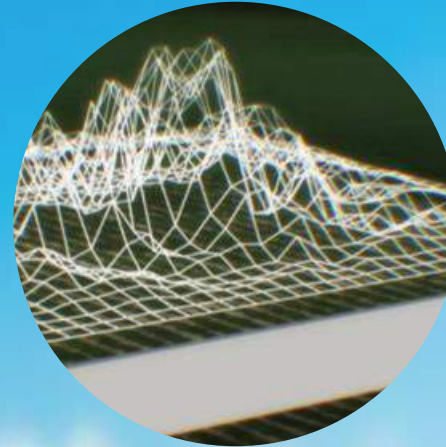
Our services

Provide total solutions based on **Ag**ronomy x **Tech**nology to realize next-generation agricultural innovation

Agronomy



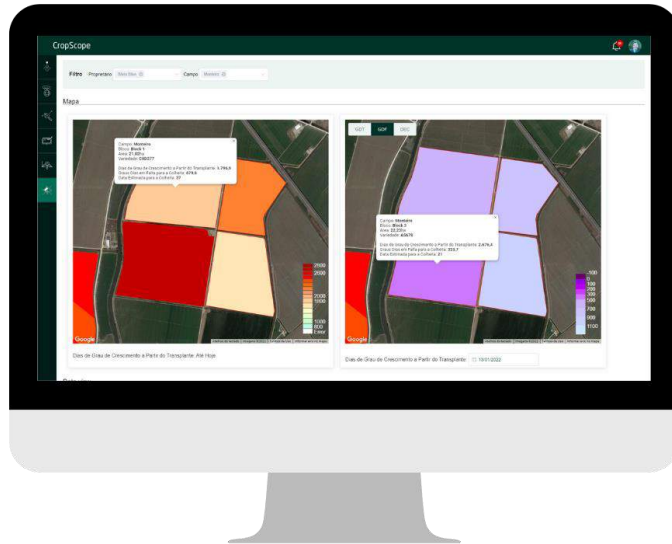
IT Technology



CropScope

AI and Data drive farming management

Services : Visualization Field Analysis

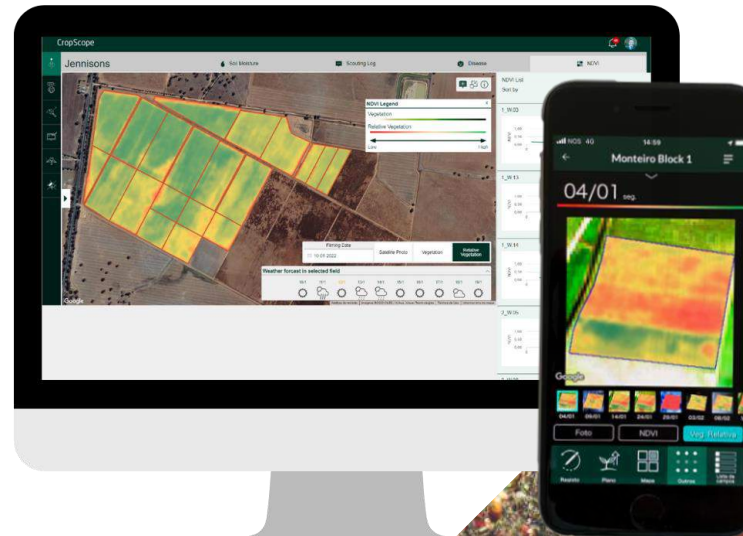


VISUALIZATION

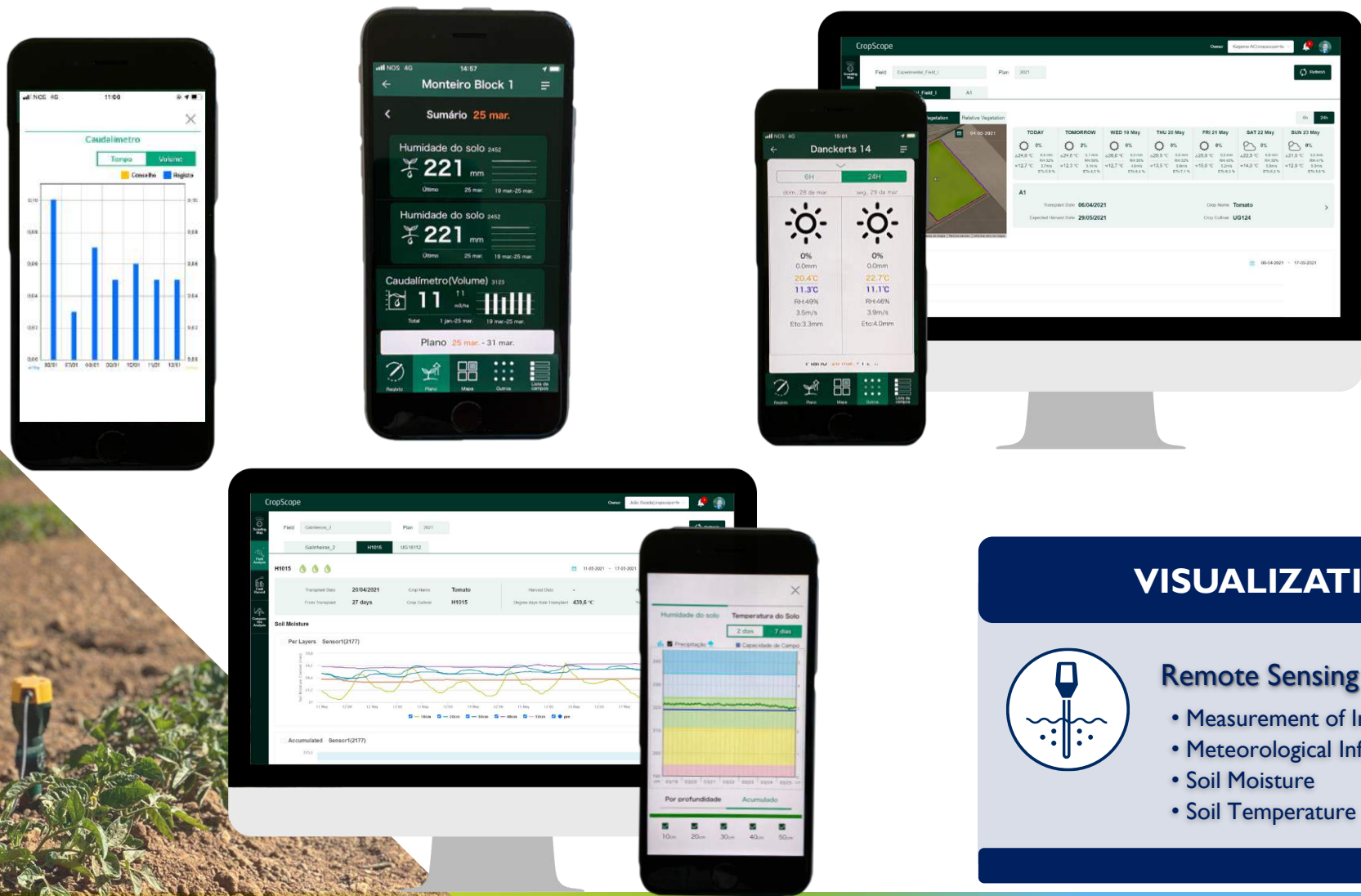


Field Analysis


- Degree Day Map (DDM)
- Farm Register
- Field Analysis (Alert / Commentary Function)
- Satellite Maps (NDVI, NDRE)



Services : Visualization Remote sensing



VISUALIZATION



Remote Sensing

- Measurement of Irrigation Flow
- Meteorological Information
- Soil Moisture
- Soil Temperature

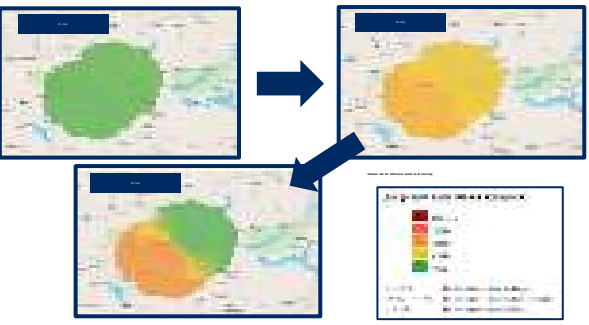
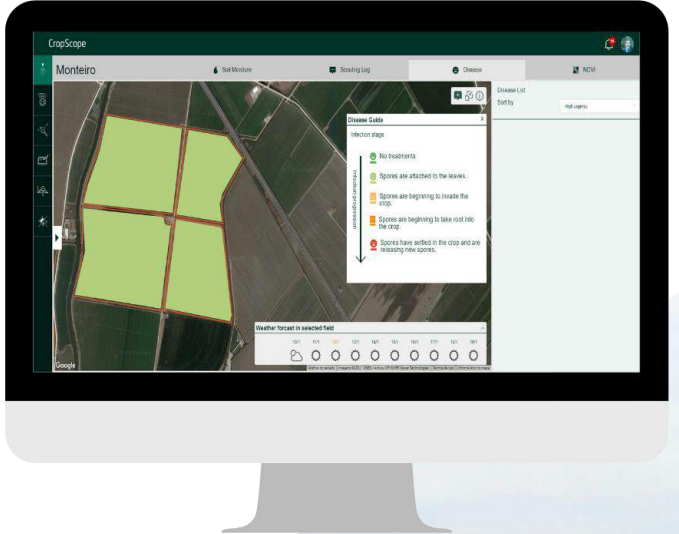
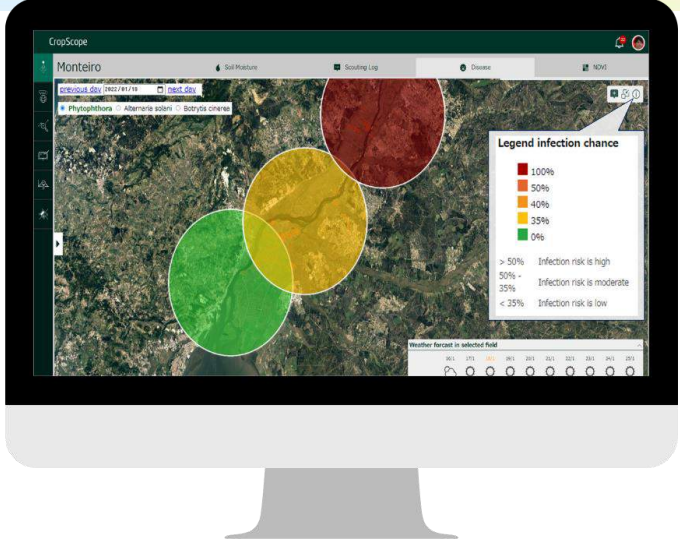
Services : Visualization Disease

VISUALIZATION



Disease Prevention

- Disease risk information



Our proven values and commercialization

Yield
↑ 30% UP

Nitrogen
↓ 20% Down

Powered by

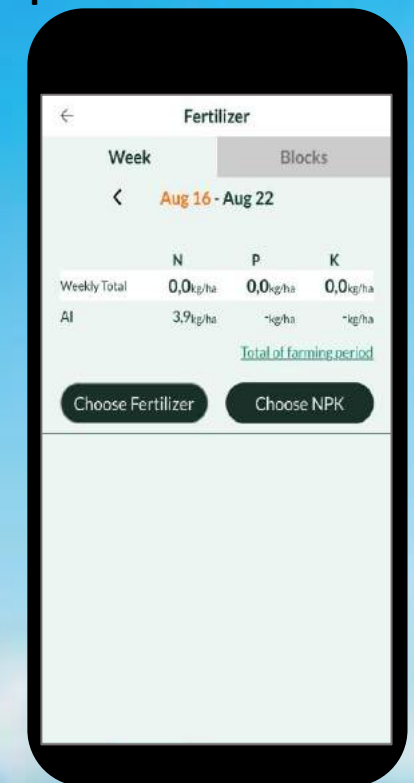
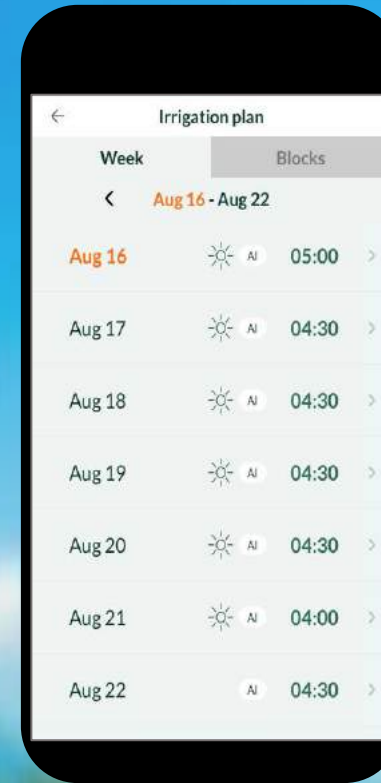


CropScope

Yield
127t/ha
(Ave: 98t/ha)



Nitrogen
203 kg/ha
(Ave: >250kg/ha)

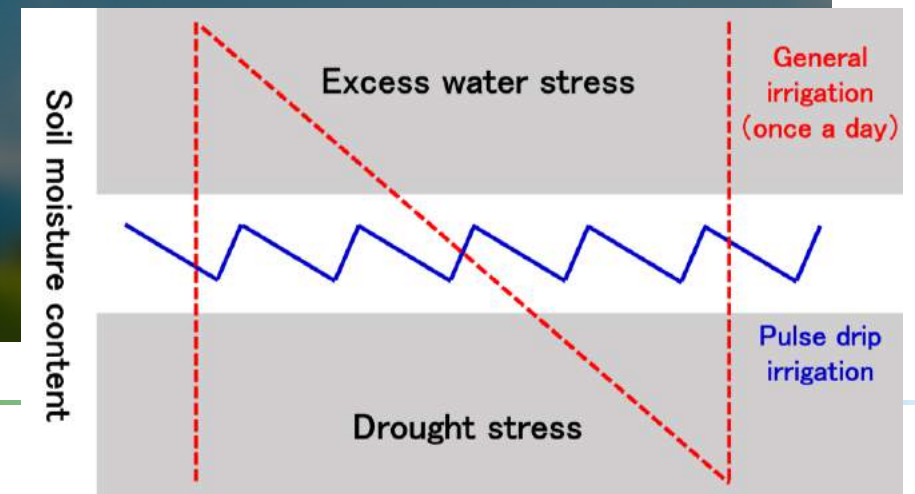
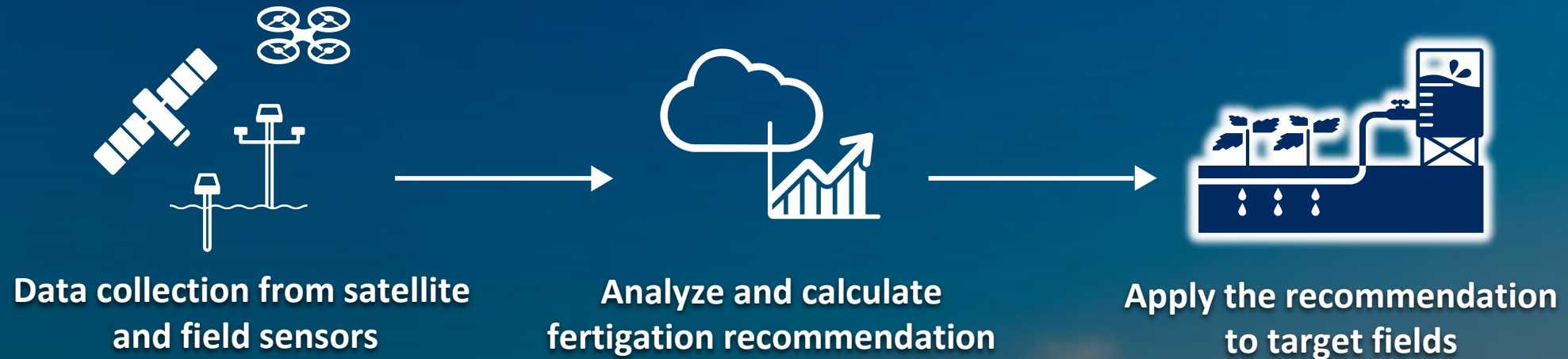


AI farming proven values
(2019 trial in Portugal)

Commercialization

2022 Trial Objectives Portugal

The main objective is to optimize the use of resources such as water and fertilizer by a pulse irrigation, targeted to 10-15% of water reduction with maintaining yield.



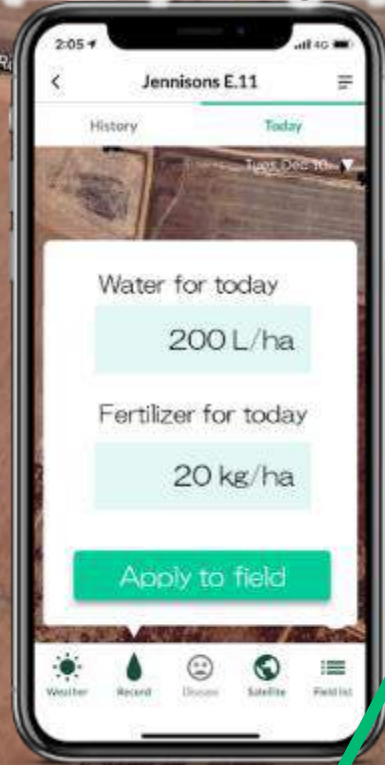
Trial Results (2022 Portugal)

	Exp. 2 (Control)	NEC3	NEC4	AC5	AC6
Planner	Kagome Agri-Center	NEC	NEC	Kagome Agri-Center	Kagome Agri-Center
Pulse irrigation	No	No	Yes	Yes	Yes
Surface or Sub-surface irrigation	Surface	Surface	Surface	Surface	Sub-surface
Irrigation amount (mm)	451.0	468.1 (+3.8%)	414.1 (-8.2%)	384.8 (-14.7%)	384.8 (-14.7%)
Fertilization amount (kg N/ha)	260.4	265.5 (+2.0%)	265.0 (+1.8%)	250.6 (-3.8%)	250.6 (-3.8%)
Yield (t/ha)	95	120 (+24.0%)	142 (+49.5%)	120 (+26.3%)	124 (+30.5%)

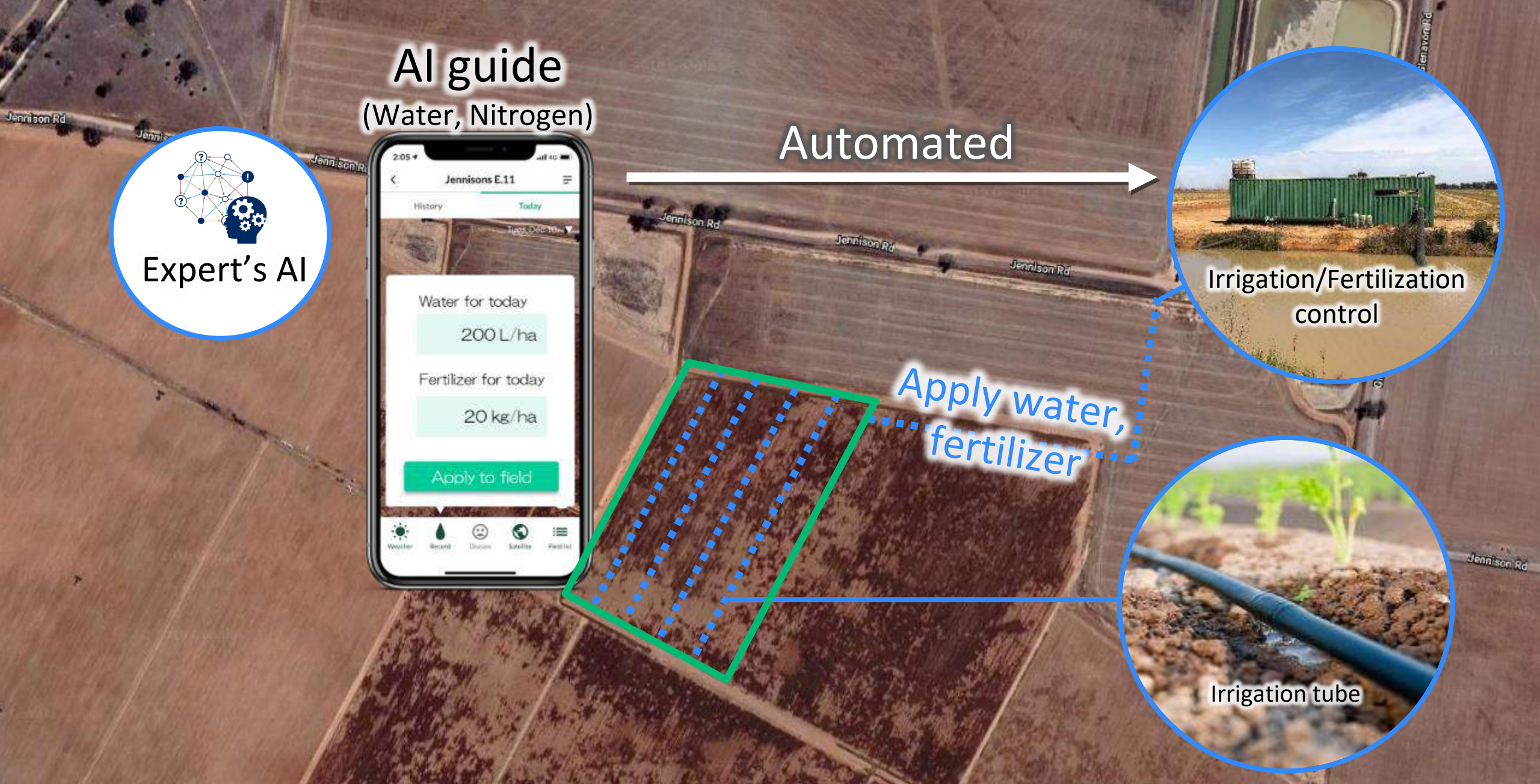
New service menu will be available next April

AI guide
(Water, Nitrogen)

Automated



Apply water,
fertilizer





Innovate the agriculture together

Thank you.



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