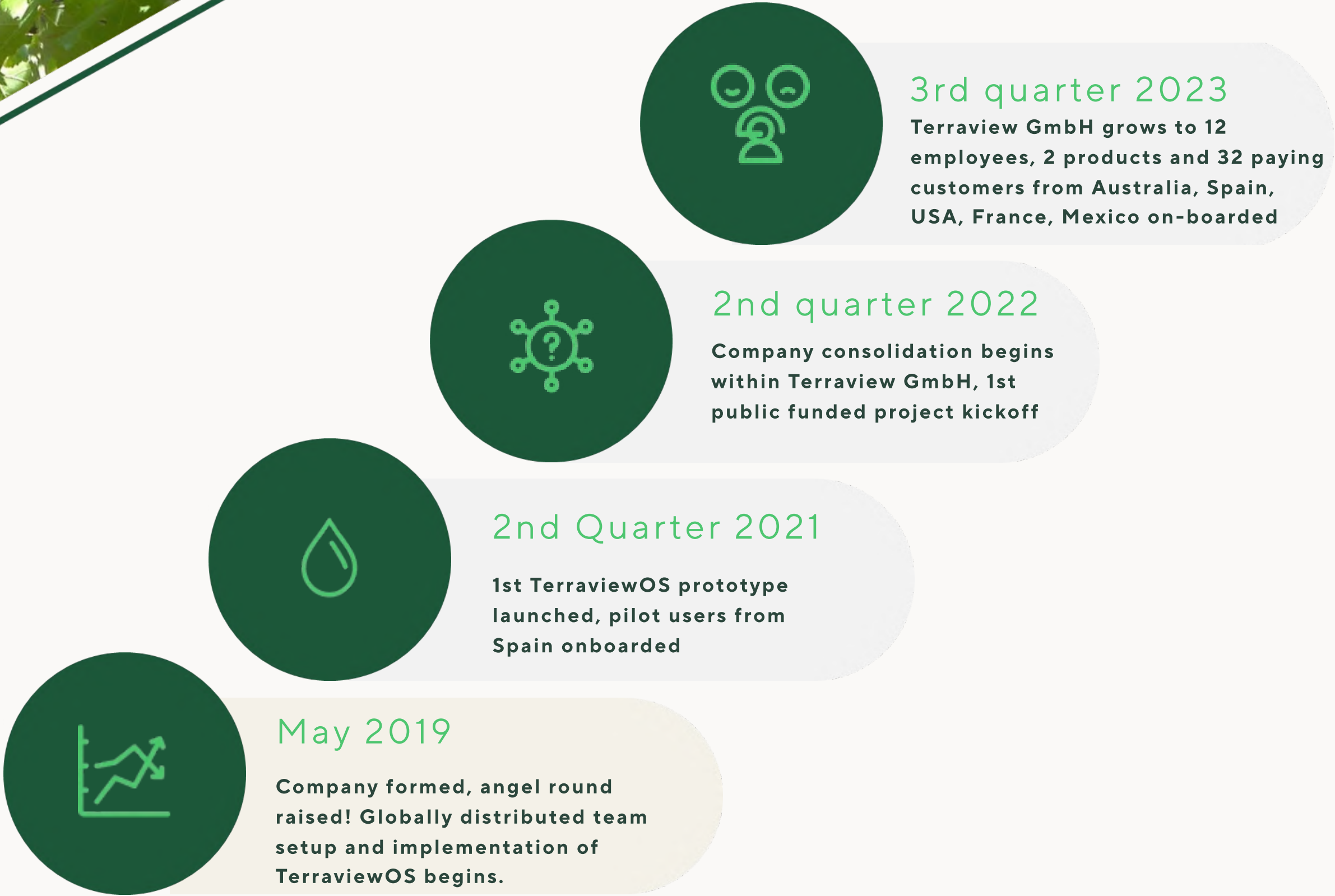terraviewos

Terraview GmbH

Brussels Brokerage Event - December 2023

Terraview mission started in 2019 with a vision to create a solution to aid farming decisions based on large amount of historical and current data

Company history

3rd quarter 2023

Terraview GmbH grows to 12 employees, 2 products and 32 paying customers from Australia, Spain, USA, France, Mexico on-boarded

2nd quarter 2022

Company consolidation begins within Terraview GmbH, 1st public funded project kickoff

2nd Quarter 2021

1st TerraviewOS prototype launched, pilot users from Spain onboarded

May 2019

Company formed, angel round raised! Globally distributed team setup and implementation of TerraviewOS begins.

Try Pitch

Product: TerraviewOS

01 All in one dashboard

Provides a easy to navigate, intuitive dashboard displaying all critical farm management metrics at one place: weather metrics, sensors data, satellite as well as drone post-processed indices, etc.
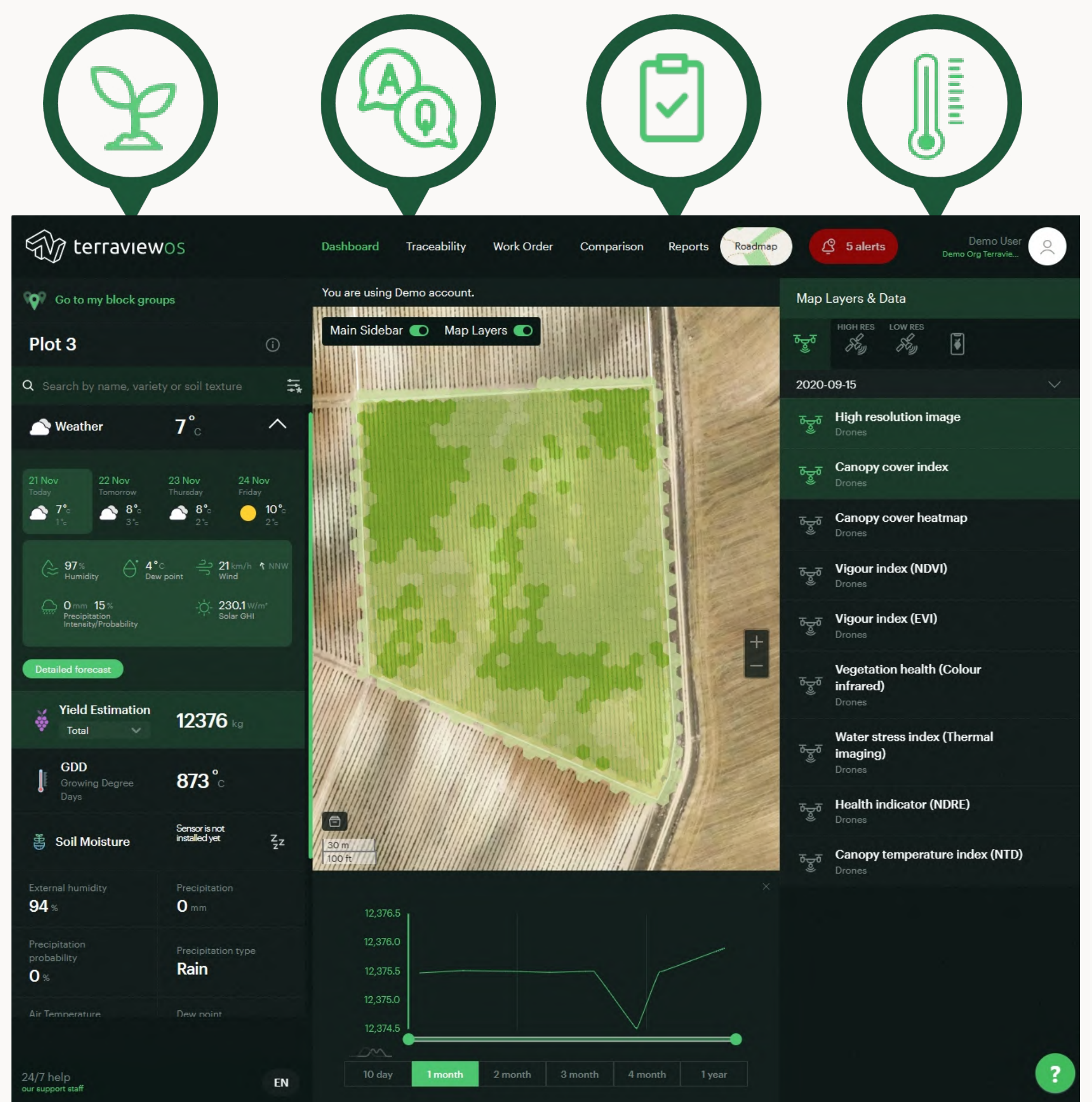
02 Self adjusting yield estimates

Uses a powerful, self training, custom machine learning model based yield projection to allow farm managers take critical business decision as early in the season as possible: > 85% aggregated accuracy

03 Traceability

Accurate and fine grained tracking of all farming inputs: Phyto-sanitary products, machinery, labor, farming activities aided by a full-featured mobile companion app

04 Advance alerting engine

Timely disease and weather alerts utilizing a state of the art expert system implementation, configured to work just like a human agronomist.

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Product: Aquaview

01 Accurate soil moisture content

Highly accurate relative soil moisture content analysis for top soil without need of any hardware sensors. Accuracy: +/- 1.5% (Gravity 05 TWE challenge)

02 Soil moisture forecasting

ML assisted service to predict 2 weeks ahead soil moisture content over an AoI, same service for back-filling of missing dates where no satellite coverage!

03 Water diary

Ability to track irrigation data and irrigation planning, linked to target stress level desired. Helps in understanding of water use efficiencies and manager regulatory compliance data effectively.

04 Derived value added services

Get alerts on ideal sowing window depending on crop types, and powered by actual understanding of soil temperature and water content analysis, potentially leading to high quality yields.

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Key Facts
Data sets

Valid as of November 2023

TEADAL

FLUIDOS

TERRAGREEN

AGRARIAN FARMING ON THE EDGE

EXA4MIND

26000 Hectares of vineyards onboarded

2.2 TB of sensors, weather, map data, and growing.

65 TB of soil moisture content dataset and growing

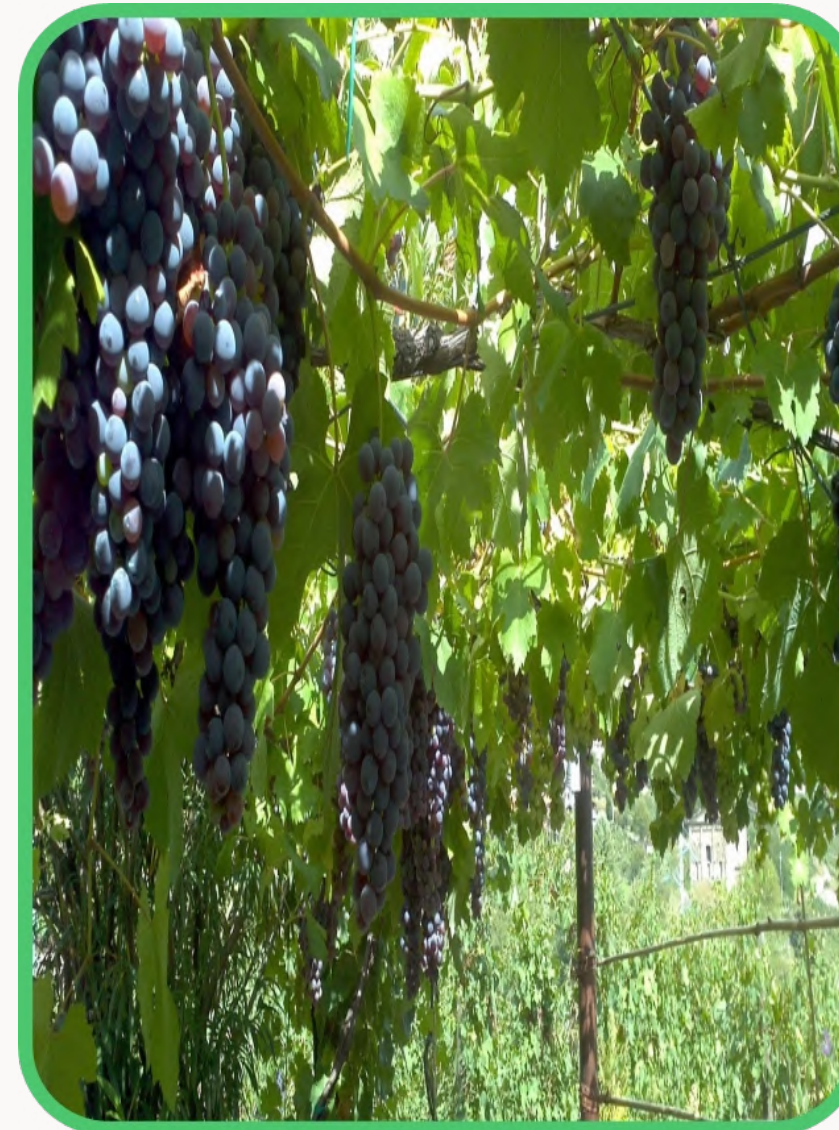1 Eurostar, 1 6GSNS, 4 HorizonNext projects ongoing

Try Pitch

5

Interests & challenges
Which calls are interesting

- **HORIZON-CL4-2024-DATA-01-03 Piloting emerging Smart IoT Platforms and decentralized intelligence (IA)**
- **HORIZON-CL4-2024-DIGITAL-EMERGING-01-21: Open Source for Cloud/Edge to support European Digital Autonomy (RIA)**
- **HORIZON-CL4-2024-DIGITAL-EMERGING-01-22: Fundamentals of Software Engineering (RIA)**
- **HORIZON-CL4-2024-DATA-01-05 Platform Building, standardisation and Up-scaling of the 'Cloud-Edge-IoT' Solutions (CSA**

Our key challenges?

- **our software stack is microservices architecture based and we hate it!**
- **MLOps especially automated QC and versioning is a nightmare,**
- **Data sharing and security concerns around Terraview Edge HW**

Try Pitch

terraviewos

THANK YOU

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