



# **Socio-economic impact assessment of the ARTES 4.0 programme**

## **Case study portfolio**

European Space Agency

13th December 2024



# Aquafarm ARTES Business Applications & Space Solutions (BASS)

Supporting Portuguese water and agriculture by harnessing satellite data to deliver real-time insights

- An advanced agricultural monitoring platform helping farmers and government agencies monitor their environment







## LEVERAGING ESA'S SUPPORT

- ESA facilitated access to data from Sentinel 2 and Landsat 8
- Enabled reach of customers outside of Portugal
- Support to build close relationship with consumers
- Support with transforming technology into a service through insight into market scope and dynamics
- **ESA credibility stamp** that reflects on credibility of the business



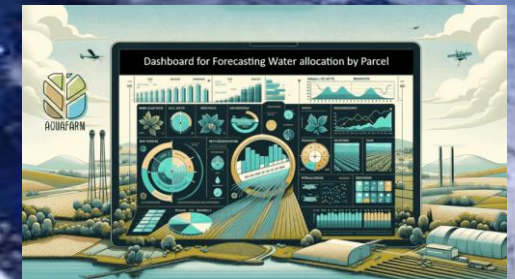
*"The NSW DPI are especially excited at the potential to drastically reduce the time and effort to produce water use productivity and sustainability benchmark data for industry..."*

## COMMERCIAL SUCCESS & GROWTH

-  Pilot demonstration with real users
-  Contracts signed with IFAP
-  Project extension to access Australian users
-  Used by EDIA for future water requirements estimation

## EXPANDING EUROPEAN CAPABILITIES & COLLABORATION

- Attracted attention of New South Wales, Australia Department of Planning and Environment, leading to collaborations and pilot projects internationally
- Aquafarm integrates with other Portuguese start-up Wisecrop's platform to support and enhance monitoring capabilities of farmers in Portugal



TECHNOLOGY

APPLICATION

END-TO-END SYSTEM





