dinosar

Diagnostic tool that INtegrates Optical, infrared and SAR data

DINOSAR aims to develop Copernicus based algorithms to support smart farming applications that can be used worldwide, even on cloudy areas. The project will support sugarcane farmers to match agricultural inputs to what the crop needs, decreasing their environmental footprint. To develop this technology, one specific case-study in Colombia: Cauca valley.

About DINOSAR

3 years

January 2024
December 2026

1.5M€
Funding

6 partners
& 4 countries

The consortium

eLEAF,
The Netherlands

SarVision,
The Netherlands

Universidad de Alicante,
Spain

AgroAP,
Colombia

HCP International,
The Netherlands

Euronovia,
France

Our objectives

✓ To monitor sugarcane phenology and health that **integrate the diagnostic power of optical, infrared and Synthetic Aperture Radar (SAR) signals**.

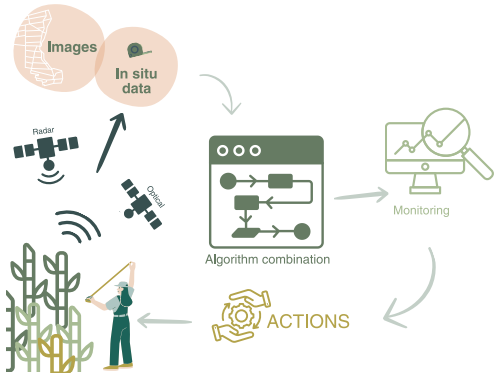
✓ Operationalize the prototype of these algorithms in such a way that runs in **Near Real Time** and that can be **scaled-up geographically and extended to other crops**.

✓ Develop **use-cases** with international partners appropriate for various customers and market segments.

✓ Establish a **generic methodology** to apply this research to other crops and geographies, including **a product development roadmap to develop the exploitation of the project**.

Our technology

The DINOSAR project will set up an innovative technology based on complementary data that will enable a complete algorithm for agricultural monitoring.
The research methodology will be based on the integration of satellite imagery (Copernicus) of sugarcane fields, meteorological data and field measurements of crops.



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Contact

contact@dinosarproject.eu

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