



Diagnostic tool that INtegrates
Optical, infrared and SAR data

D3.8. Report on the integrated model and assessment of its performance

**Version 2. Intermediate assessment report on how sensor
integration works and on the achieved synergy in diagnostic
power.**

Date of delivery – 15/12/2025

Authors – Alejandro Mestre-Quereda, Juan M. López,
Henk Pelgrum, Mark Noort

Institutions- Universidad de Alicante, eLEAF, HCP



Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Union Agency for the Space Programme. Neither the European Union nor the granting authority can be held responsible for them.

Deliverable abstract

This report contains the description of the second version of the integrated model employed for optimally combining the estimates of biomass provided separately by the empirical inverse models for NIR/optical and radar data as well as the predictions obtained from the expected evolution of the sugarcane crop. The report describes the algorithm, its implementation, and the results obtained in the assessment of the second version of the algorithm.



dinósar

Diagnostic tool that INtegrates
Optical, infrared and SAR data