



Diagnostic tool that INtegrates
Optical, infrared and SAR data

D3.7. Report on the integrated model and assessment of its performance

**Version 1. Initial assessment report on how sensor integration
works and on the achieved synergy in diagnostic power.**

Date of delivery – 20/12/2024

**Authors – Alejandro Mestre-Quereda, Juan M. López, Dirk
Hoekman, Karlis Zalite, Mark Noort**

Institutions- Universidad de Alicante, SarVision, eLEAF, HCP



**Funded by
the European Union**

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 first version of the integrated model employed for combining the estimates of biophysical variables 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 first version.



Diagnostic tool that INtegrates
Optical, infrared and SAR data