

# Assimilation of multi-sensor and multi-temporal remote sensing data to monitor vegetation and soil: the Alpilles-ReSeDA project

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## ABSTRACT

This paper presents the Alpilles-ReSeDA project, which aims at improving methods for interpreting remote sensing data for a better evaluation of soil and vegetation functioning (primary production, crop yield, energy balance and water budget). The proposed approach is based on the assimilation of remote sensing data into soil and vegetation functioning models. It emphasizes the multi-temporal, multi-spectral and multi-angular properties of space observations.

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