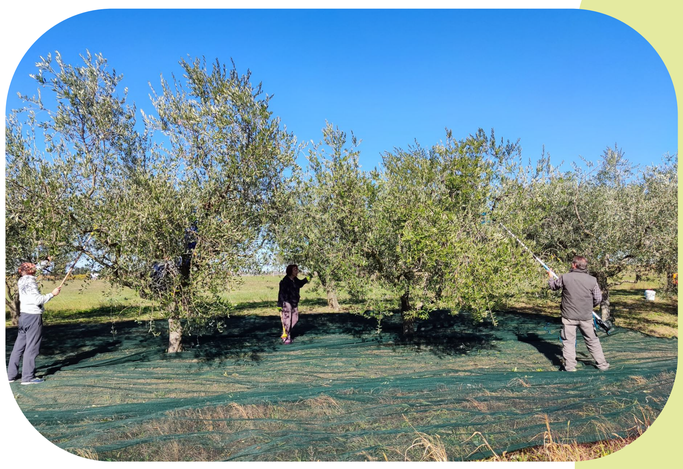
OLEAF4VALUE

OLIVE LEAF MULTI-PRODUCT CASCADE BASED BIOREFINERY

WP1 | Smart supply chain development: from a underexploited biomass to a standardized starting material



MAIN OBJECTIVES

- To develop and homogenise methods of analysis to quantify the Suitability Parameters.
- To understand how cultivation conditions and pre-treatments can modulate Suitability Parameters values.
- To develop methodologies, sensor solutions and data acquisition protocols for rapid in-field determination of biomass quality characteristics.
- To create chemometric models linking spectroscopic data with the functional biomass characteristics.
- To develop a Biomass Suitability Index for an optimal downstream conversion.

PARTNERS INVOLVED

Natac Science to Market

OLEICOLA EL TEJAR

CENER NATIONAL RENEWABLE ENERGY CENTRE

INGECOR ingeniería agroforestal

INNORENEW COE

TECHNICAL DEVELOPMENTS

CHARACTERISATION OF OLIVE LEAF SUPPLY → HIGH HETEROGENICITY

EVALUATION OF DRYING METHODS → AIR DRYING / FAST DRYING

IN-FIELD QUALITY DETERMINATION → PORTABLE SPECTROMETERS + CHEMOMETRIC MODELS

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Bio-based Industries Consortium · BBI JU

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