

## OLIVE LEAF MULTI-PRODUCT CASCADE BASED BIOREFINERY

From an under-used biomass in the primary sector to tailormade solutions for high added value international market applications.

Only **around 0.2% of this is currently used for extracts**; the remainder is burnt – either in the fields or used for fuel – or fed to animals. However, disposing of them in this way means that a potential

1 million tonnes of bioactive compounds1 million tonnes of cellulose1.5 million tonnes of ligninare underexploited.

OLEAF4VALUE will extract and isolate high added value bioactive compounds (polyphenols, triterpenoids, essential oils, lipids, lignocellulose) with high-market potential in the food, feed, chemical, nutraceutical, cosmetic and pharmaceutical sectors.



## **OBJECTIVES & IMPACT**



Address the current problems caused by leaves generated during the pruning and processing of the olive tree and its fruit.



Create five new cross-sectoral interconnections.



Create highly qualified jobs

– as many as 400 in the
bio-based industry – and
bring economic investment
to these areas.



Establish six new value chains in the food, feed, chemical industry, cosmetics, nutraceutical and pharmaceutical value chains.



Introduce a range of new high-value bio-based products, feeding into a growing market demand for such products.



Advance the technology readiness level of a range of the technologies and applications used.

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