

# OLEAF4VALUE

## Olive leaf multi-product cascade based biorefinery

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

### OLEAF4VALUE covers the whole value chain

The goal of OLEAF4VALUE is to set up the basis of six smart value chains based on a newly developed 4.0 concept:

\***Smart dynAmic Multi-valorisation-route BIOrefinery (SAMBIO)** for the cascade valorisation of the olive leaf biomass according to its initial composition (**Biomass Suitability Index – BSI**).

#### 1. Olive Biomass

Olive Purning Leaf (OPL)  
Olive Mill Leaf (OML)  
**4.5M T**  
of olive leaves produced annually

1. Real Time Suitability Sensor (RTSS)
2. Smart Supply Chain (BSI)
3. Pre-treatments

#### 2. Biorefining

\***SAMBIO**  
Smart Optimization Tool 4.0 (SOT 4.0)

Post-extraction technologies

#### 3. Applications

**24**  
bio-based products

Food, cosmetic, pharma, health & performance chemicals

#### 4. Market

Brand Awareness  
Market Access  
Positioning

16 partners | 9 EU countries



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This project has received funding from the Bio-Based Industries Joint Undertaking under the European Union's Horizon 2020 research and innovation programme under grant agreement n° 101023256



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