

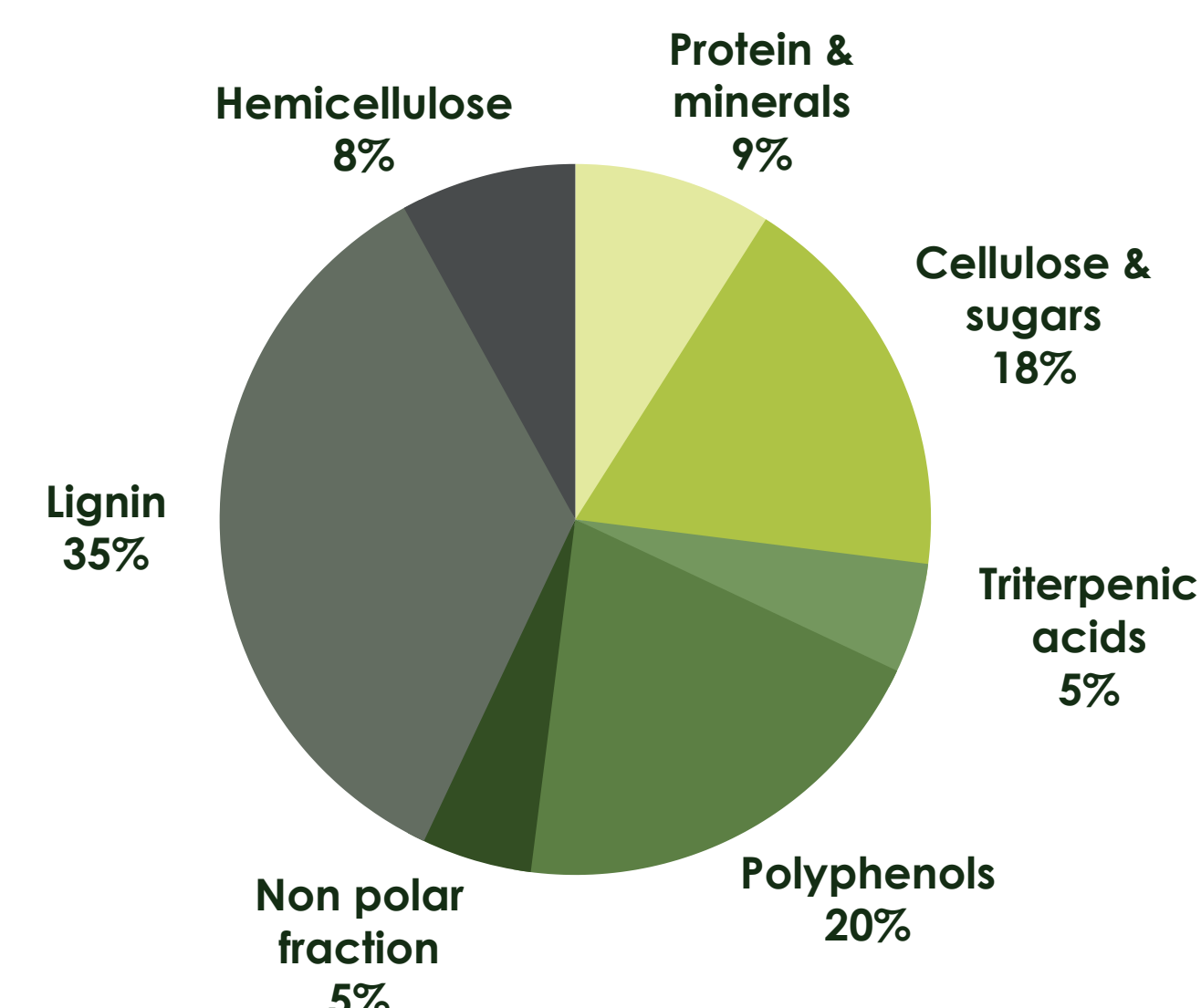
OLEAF4VALUE

OLIVE LEAF MULTI-PRODUCT CASCADE BASED BIOREFINERY

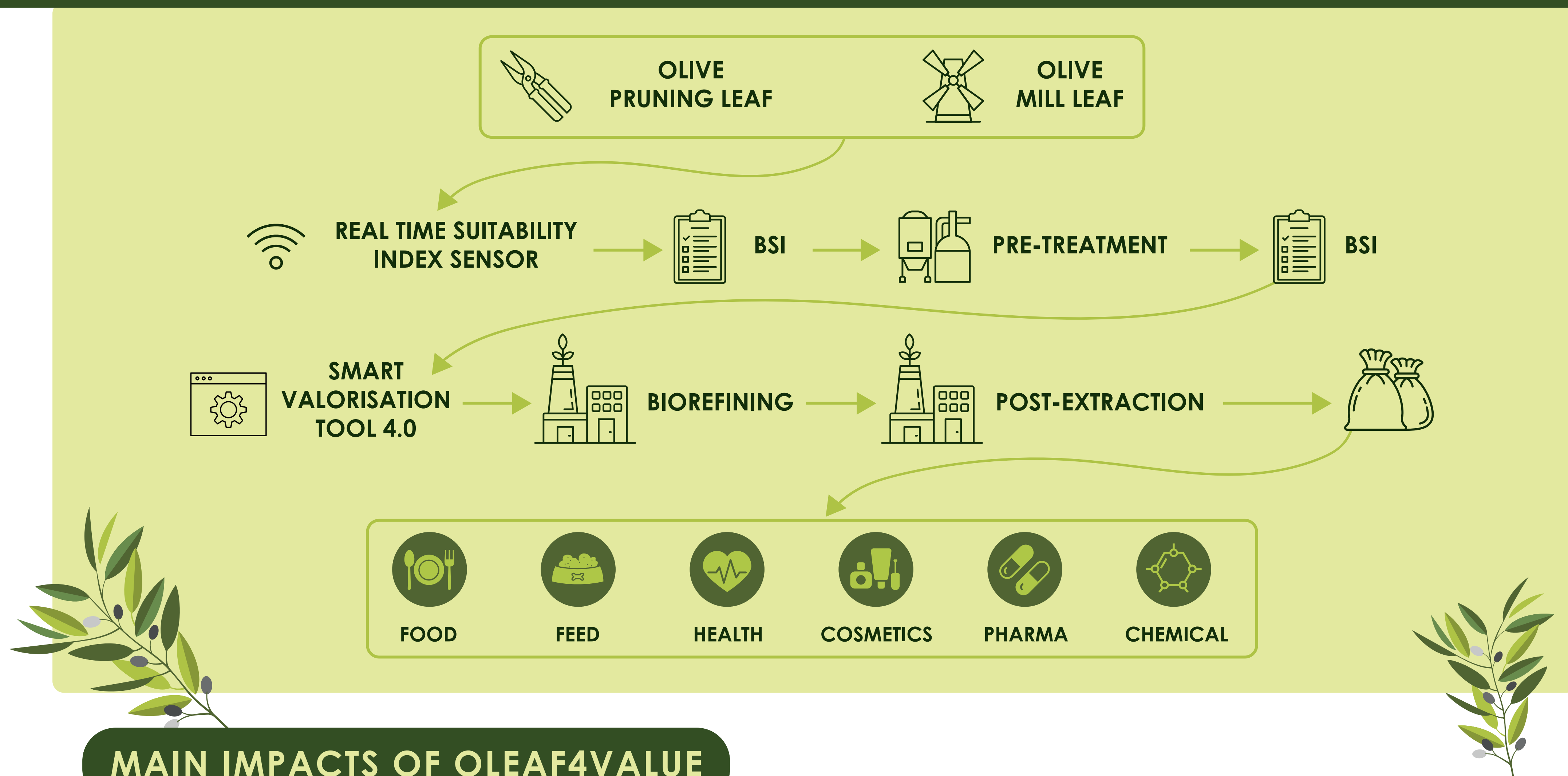
The olive oil industry generates 4.5 million tonnes of olive leaves every year as a by-product.

Most of these leaves are burnt, used as forage or discarded.

Olive leaves have a high content in bioactive compounds and an abundant lignocellulosic fraction.

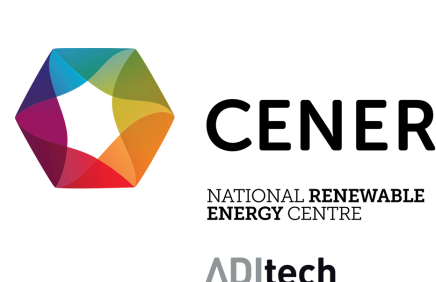


OLEAF4VALUE will set up the basis for six smart value chains based on a newly developed 4.0 concept: Smart Dynamic Multi-Valorisation-Route Biorefinery (SAMBIO) for the cascade valorisation of the olive leaf biomass according to its initial composition (Biomass Suitability Index – BSI).



MAIN IMPACTS OF OLEAF4VALUE

- 6 new industrial bio-based supply chains resulting in 24 bio-based products (e.g., oleuropein, polyphenols, essential oils) yielding up to €13,600 per ton of olive leaves.
- Valorization of 15% of the global olive leaf biomass (675 ktons/year).
- 1 Mton CO2 reduction per year.
- Up to 400 direct qualified bio-based industry job positions, with a special impact in rural areas.
- New business opportunities for primary sector actors and contributing to rural development.



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