



ekonoke

the vertical horizon



Climate risk

- +/- **30%** year-on-year yield variations
- Up to **60% reduction** in α -acid contents (quality)

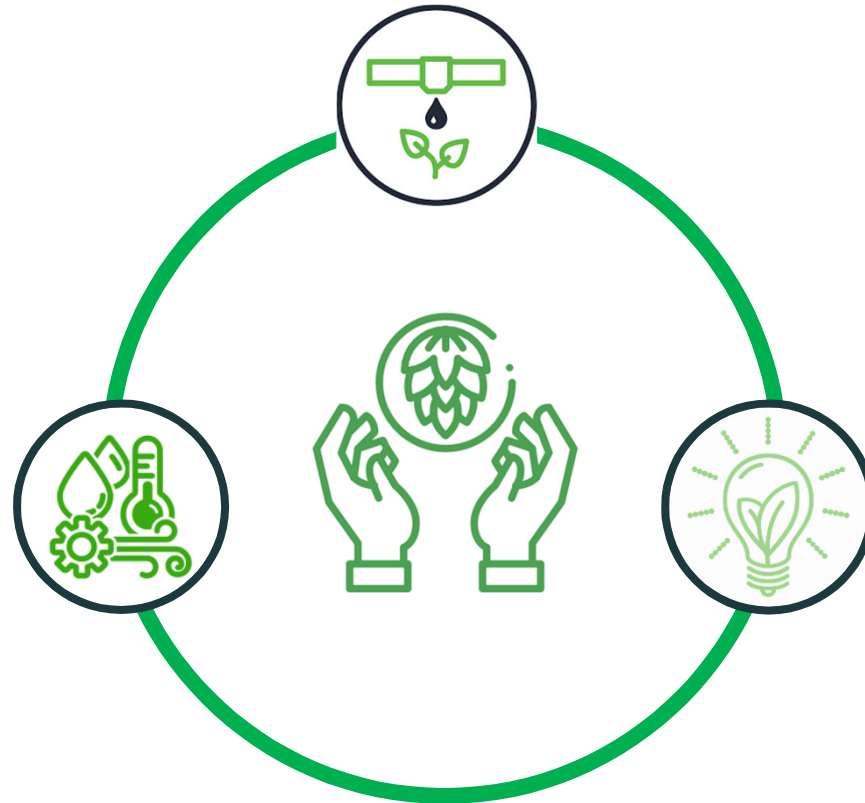
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The formula

Fertigation

Climate
control



Lighting
formula

ekonoke



Value proposition



Expected yield/ha
40x traditional
outdoor agriculture



10x less water,
20x lower CO2 footprint,
only renewable energy



100% climate
resilient, guaranteed
supply year round



MORE QUALITY



Customizing
cultivars grown in
each site to local
taste and demand



Pesticide free



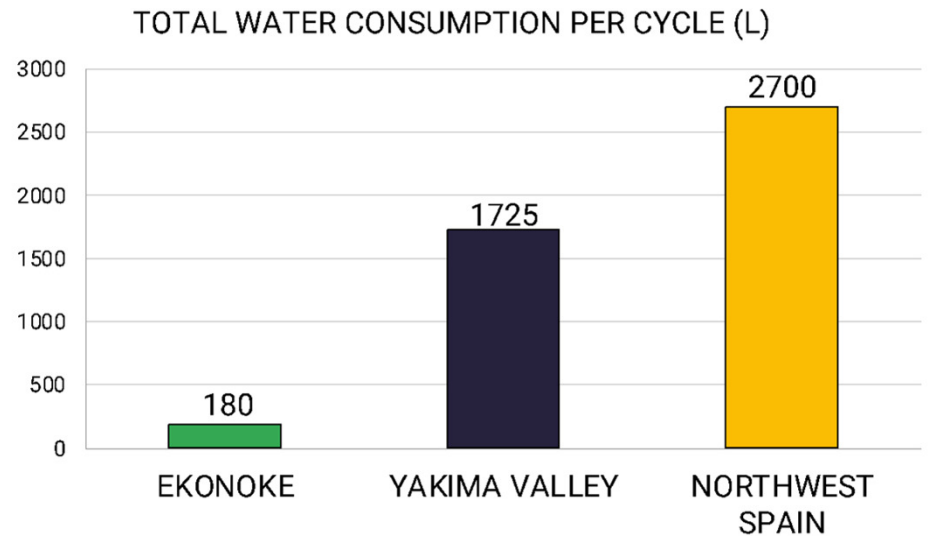
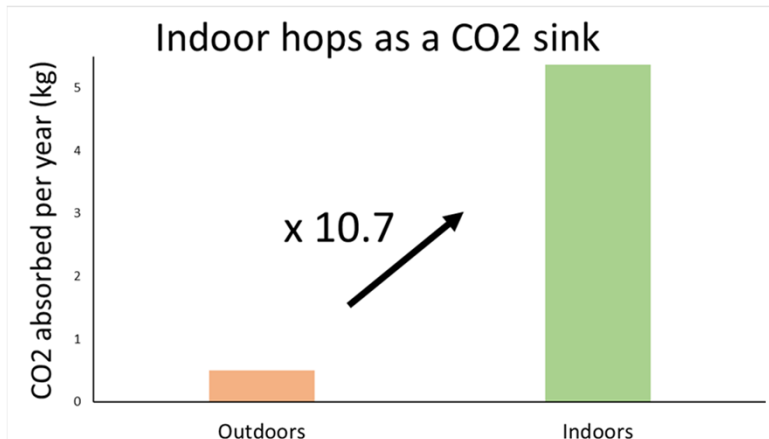
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Carbon and water footprints



- 99% less GHG emissions
- 100% renewable energies
- 3x carbon stock changes



The Ekonoke hops have only consumed an average of 180 L per plant per year.



Circularity



Leaves & stems



No pesticides

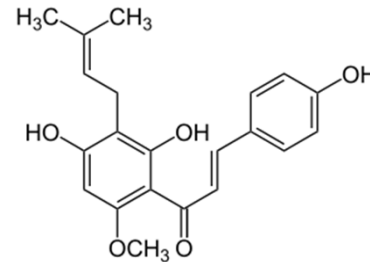


Extraction

INDOOR



Cosmetics¹



Xanthohumol²

INDOOR &
OUTDOORS

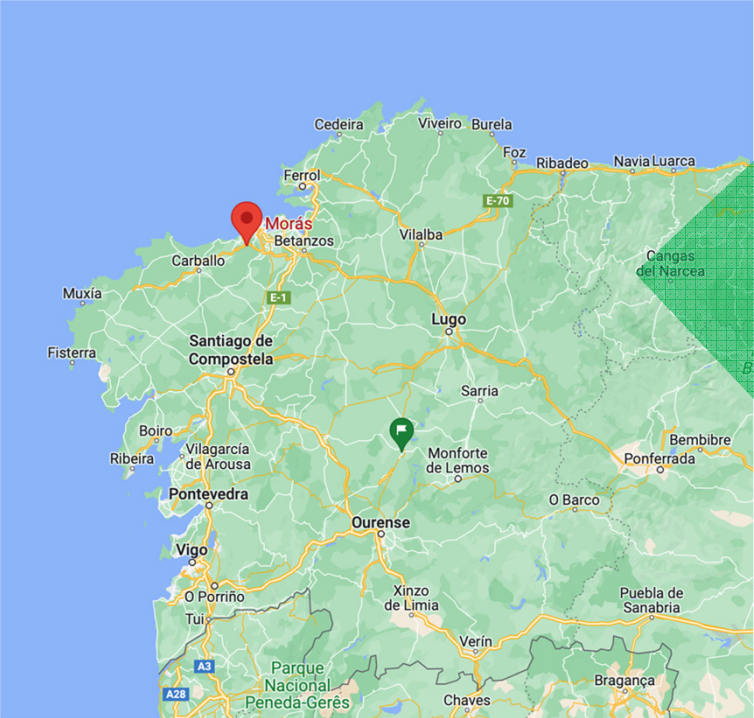


Compost,
Biomass &
Biogas

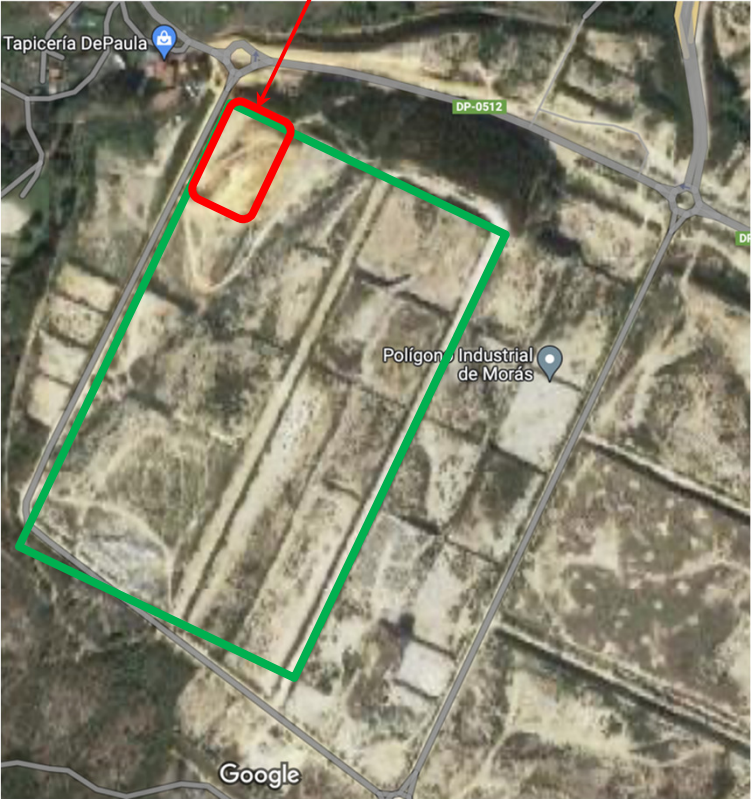
¹:Study in progress with University of Navarra and CNTA

²: 2023, Moureu, S. *et al.*, Antifungal Activity of Hop Leaf Extracts and Xanthohumol on Two Strains of *Venturia inaequalis* with Different Sensitivities to Triazoles. *Microorganisms*

Ekonoke's 1st commercial scale indoor hops farm



20,000 m² for indoor hops farm (12,000 m²) and processing facility (1,500 m²)





A sustainable revolution for beer hops

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Thank you for your attention

