



Session	Start-ups/SMEs looking for Finance: Pre-seed/Angel/Seed
Title	Scaling European Acorns into High-Value Ingredients and Bio-Based Products
Company	LandraTech, Lda
Speaker	Pedro Babo
TRL	TRL 8 - 9
Keywords feedstock (max 2)	Acorns; side-streams
Keywords technology (max 2)	Fractionation
Keywords End-Product (max 2)	Food ingredients
Abstract:	
LandraTech transforms acorns from native European oak forests into differentiated food ingredients, oils and other bio-based products. Rather than competing with low-cost commodities, its integrated platform combines traceable European sourcing, proprietary processing and multi-product valorisation to serve markets where functionality, sustainability and origin create value. It also provides forest owners with a new income stream and supports more active management of native oak landscapes. Commercial validation includes sales of acorn flour and acorn-based coffee alternatives. Acorn flour is naturally gluten-free and offers fibre, potassium and phenolic compounds, addressing demand for nutritious and differentiated ingredients. LandraTech has also developed an acorn oil extraction protocol now being tested by an industrial partner at pilot scale. Further routes valorise non-food-grade acorns and processing side streams into oils and tannin-rich fractions for cosmetics, personal care and technical applications, reducing waste and European dependence on imported plant oils and tannin feedstocks. LandraTech is seeking approximately EUR 1.41 million to scale processing capacity and its supplier network, advance industrial validation, implement quality and certification systems, finance seasonal working capital and expand its team. The goal is a replicable forest-to-market platform deployable across European oak regions.	