



<b>Session 5</b>	<b>Start-ups/SMEs looking for finance - series A and series B/C funding</b>
Pitch Title	MicroIBEoil: sustainable biorefinery for the transformation of lignocellulosic and industrial waste into microbial oils and bio-based products
Company	Iberia Bioenergy
Speaker	Iván García Cabrera
Keywords feedstock	Crude glycerin, Lignocellulosic waste
Keywords technology	Circular economy, Global decarbonization
Keywords End-Product	Microbial oils
Amount investment needed	8-15 million Euro
<b>Abstract:</b>	
<p>MicroIBEoil is an innovative biotechnological platform that transforms lignocellulosic and industrial waste into high-value microbial oils and bio-based products. This sustainable biorefinery uses an oleaginous microorganism capable of thriving on various industrial by-products, including crude glycerin (categories 1 &amp; 2) and agricultural residues, achieving a fatty acid content exceeding 50% by dry weight. By leveraging a circular economy approach, MicroIBEoil maximizes waste valorisation while significantly reducing greenhouse gas emissions, positioning itself as a key player in the sustainable energy landscape. The technology produces microbial oils suitable for refining into low-carbon biofuels, biolubricants, and biosurfactants, addressing growing market demands for eco-friendly alternatives. Additionally, it generates yeast extract, a high-protein input for animal feed or biogas production, and lignin, a versatile by-product with lucrative applications in bio-based materials, adhesives, and carbon fibres, enhancing both sustainability and revenue potential. Currently at TRL 4, MicroIBEoil is undergoing rigorous optimization and validation in laboratory settings, with a clear roadmap for scaling up the technology. Our target is to reach TRL 6 by mid-2026, paving the way for industrial-scale implementation. We are actively seeking strategic partners and investors to support the final stages of development and commercialization. By joining us, you can capitalize on a significant market opportunity, contribute to global decarbonization efforts, and achieve attractive returns while advancing the future of sustainable energy solutions.</p>	