Session	Start-ups/SMEs looking for Finance: Pre-seed/Angel/Seed
Title	VALOR-Map to Modular Biorefineries: Scaling Food & Drink Side-Stream Value
Company	Niskus Biotec
Speaker	Vincent Farrelly
TRL	TRL 4 - 7
Keywords feedstock (max 2)	Agri-food side-streams
Keywords technology (max 2)	Modular fermentation
Keywords End-Product (max 2)	Proteins; Enzymes

Abstract:

Niskus integrates and project-manages food and drink side-stream valorisation for corporate clients, de-risking and accelerating full-scale biorefinery deployment through modular on-site pilots and staged scale-up. Feedstocks include brewers' spent grain, distillery and dairy side-streams, and sugar vinasse, targeting proteins, enzymes and recovered process water for resale or defined in-house use.

VALOR-Map combines producer data, techno-economic modelling and market assessment to rank pathways and establish investment roadmaps. Containerised pilots assess technical performance and operating costs, while product testing and offtaker engagement support market validation and commercial traction. Sensor monitoring and AI-assisted analysis are being developed to strengthen decisions.

With engineering, technology and infrastructure investment partners, Niskus coordinates bespoke retrofit deployment and client-friendly CAPEX and OPEX models, including phased investment, service-based deployment and revenue sharing. Niskus seeks producers, offtakers and partners to co-develop pilots and full-scale project