



Keynote Session	Leading Pilot Facilities for the Bioeconomy (Pilots4U)
Title	From launch to land – de-risking investment decisions by centralizing the costly validation phase
Company	Biotechnology Fermentation Factory B.V. (BFF Ede BV)
Speaker	Marcel Oogink
Keywords feedstock (max 2)	Sugar sidestreams, Methanol
Keywords technology (max 2)	(Precision)fermentation, Upcycling
Keywords End-Product (max 2)	Alternative Food Ingredients, Alternative Proteins
Abstract:	
The Biotechnology Fermentation Factory (BFF) in Ede bridges the gap between lab innovation and industrial application by offering open-access fermentation validation and upscaling facilities for food and biotech companies. From 10- to 10,000-liter scale, BFF enables innovators to validate and optimize fermentation processes with reduced technical and financial risk — accelerating time to market for sustainable foods, ingredients, and biobased materials. Operating as a non-profit, open-access pilot facility, BFF’s mission is to <i>accelerate the journey from lab to market by de-risking the costly validation phase</i>. Strategically located within the Foodvalley ecosystem, BFF collaborates structurally with NIZO Food Research, combining upstream (fermentation) and downstream (processing) capabilities under one roof. BFF provides: • A pre-pilot environment (operational end of 2025) mirroring the pilot setup for TRL 4-5 validation; • A pilot facility (operational end of 2026) with 1,000 L and 10,000 L fermenters for TRL 6-7 validation; • Access to biomass fermentation lines (600 L – 4,000 L, non-GMO). By centralizing the costly and complex validation phase, BFF de-risks investment decisions for start-ups, scale-ups, and corporates — helping European bioeconomy innovators not only <i>launch</i> their products, but also <i>land</i> them successfully on the market.	