



<b>Session 5</b>	<b>Start-ups/SMEs looking for finance - series A and series B/C funding</b>
Pitch Title	Protein without footprints
Company	Protopia
Speaker	Karim Kurmaly
Keywords feedstock	Low carbon intensive feedstocks
Keywords technology	Boosted fermentation technology
Keywords End-Product	Functional single cell protein for food and petfood.
Amount investment needed	Euro10mln

**Abstract: An introduction to Protopia B.V.**

Protopia emerged from a flagship project at Royal DSM, later dsm-firmenich, led by the Bioscience Center in Delft (NL), aimed at developing functional alternative proteins human food, petfood and aquaculture. Today, Protopia BV. is an SME developing biotechnology for sustainable and cost-effective production of functional protein products at scale of +10,000MT.

To face the challenges of the global demand for protein produced sustainably, the company developed Smart Protein: a revolutionary net-zero carbon Single Cell Protein production process that unlocks the potential of microorganisms (yeasts and bacteria) using “a boosted liquid fermentation technology” to create a scalable process using low carbon intensive feedstocks decoupled from agriculture, at low cost.

Protopia de-risks the technology with an “asset light” strategy by retrofitting idle capacity of contract manufacturers with its “fermentation boost technology”. This allows for early commercialization (2025) of its flagship robust strain and process technology, into three markets (food, pet food and aquaculture). Further commercialisation will be rolled out under a licensing model. The product is currently approved for use in EU & USA.

Protopia B.V., has an IP-protected platform technology, library of strains, a robust business case, and a set of LOSs, LOIs and MTAs with value chain partners and strategic production collaborators.

Protopia B.V. has a team with over 100 years experience (a start-up with a head start) and asks for Euro10mln to finance a run of 18months to enable the business to generate revenue and be cash positive by year 3. Protopia: Protein without footprints."

