



Session	Start-ups/SMEs looking for Finance: pre-seed/angel/seed funding
Title	Plastic-free polymers to replace soluble-plastics at scale
Company	PlantSea Ltd
Speaker	Dr Alex Newnes
Keywords feedstock (max. 2)	Seaweed, plants
Keywords technology (max 2)	Polymer, biorefining
Keywords End-Product (max 2)	Soluble-film, packaging
Abstract:	
PlantSea is pioneering a scalable, seaweed-derived polymer system designed to directly replace PVOH (polyvinyl alcohol) as a plastic-free alternative for the manufacture of water-soluble films. PlantSea's proprietary biorefining process converts locally sourced seaweed into a functional, drop-in polymer for soluble film manufactures at a price comparable with PVOH. PVOH and water-soluble films are used for a range of applications. Our initial target is the \$19B laundry capsules market, where brands are seeking plastic-free solutions to meet consumer demand. Soluble films manufactured using PlantSea polymer possess compatibility with detergents unmatched by other alternatives, and meets industry compliance standards for capsules, matching plastic-performance and price-parity while delivering a lower carbon footprint. Validated through 20+ trials and multiple multi-million customer LOIs, PlantSea is now scaling towards industrial production. Our mission is to replace millions of tonnes of plastic at global scale. We are seeking investors, customers, and collaborators to join us as we scale the technology and shape our vision for a greener future.	