



Session	Start-ups/SMEs looking for Finance: pre-seed/angel/seed funding
Title	Bio-Based Dyes Solving Water & Toxicity Challenges to Enable Circular Textile Production
Company	MOUNID AB
Speaker	Ida Näslund (CEO/Founder)
Keywords feedstock (max. 2)	Algae- and microalgae
Keywords technology (max 2)	Bio-based algae dyeing
Keywords End-Product (max 2)	Bio-based algae dye
Abstract:	
We develop and produce bio-based, non-toxic dyes made from microalgae and algae pigments. Our solution offers a clean alternative that the textile industry has been missing to become truly circular. Today, the textile dyeing industry consumes 93 trillion liters of water, uses 400 million tons of chemicals and emits 3.2 billion tons of CO2 annually, contributing to 20% of global water pollution. Our algae-based dye is easy to produce, scalable and compitable with existing textile dyeing systems. It replaces fossil-based, chemical-intensive dyes and reduces water and energy use by 90%, with no dye waste. Unlike plant-based natural dyes, our pigment comes from an abundant, fast-growing and renewable resource that doesn't require cultivable land, making it much more scalable and sustainable. Our proprietary formulation enables algae pigments to bond with textiles at room temperature, delivering good colour fastness to washing and light. We also conducted wastewater tests to clearly confirm that the process is safe for the environment. Having reached Technology Readiness Level 6, our first blue dye has been successfully demonstrated under industrial conditions by dyeing over 50 meters of cotton (denim weave) at the Swedish School of Textiles. We are now preparing for production and market entry to scale our dye and accelerate commercialisation. We are seeking seed funding to bring non-toxic, environmentally safe dyeing to the textile industry – and help to close the loop in a circular clean textile value chain.	