



<b>Session 1</b>	<b>Start-ups/SMEs looking for finance - pre-seed/angel/seed funding</b>
Pitch Title	Mixed microbes for mixed waste? MATERI-8!
Company	MATERI-8 (by Green Pearl Innovation)
Speaker	Patricia Parlevliet
Keywords feedstock	Mixed plastics, textiles, agricultural waste contaminated with plastics
Keywords technology	Biomanufacturing platform, low-carbon chemistry
Keywords End-Product	Monomers for performance plastics, specialty plastics
Amount investment needed	2M€
<b>Abstract:</b>	
<p>Mixed plastic waste is a major environmental issue, because it is difficult to recycle and ends up in landfill, incineration or the environment. Meanwhile, organizations face a daunting challenge to reduce their ecological footprint while meeting growing market demands. One solution is to turn away from fossil-based resources, but considering the biomass gap and lower performance of renewable or recycled materials, there is often no viable alternative. MATERI-8 offers an innovative biomanufacturing platform solution. We transform unrecyclable mixed waste into a feedstock for new circular high-performance polymers. Our technology harnesses microbial consortia to convert diverse materials, such as mixed plastics, textiles and litter from rivers into biomass that feeds our bio-platform. Simply put, we use mixed microbes for mixed materials.</p> <p>Our process produces chemical building blocks for performance polymers utilizing low-temperature polymer chemistry. The final products can be fed back into our biomanufacturing platform, ensuring a closed-loop system. This method not only diverts megatonnes of waste from incineration and landfills but also significantly reduces CO<sub>2</sub>-equivalent emissions.</p> <p>Collaborating with MATERI-8 means supporting a revolutionary solution that not only addresses waste management but also offers a sustainable path forward for a circular plastics industry. Join us in creating a cleaner future.</p>	