



Session 4	Start-ups/SMEs looking for finance - pre-seed/angel/seed funding
Pitch Title	Valorising used coffee grounds by transforming them into biochar
Company	PyroLoop
Speaker	Dr Agnieszka Kazimierczuk
Keywords feedstock	Used coffee grounds; Waste valorisation
Keywords technology	Pyrolysis; co-generation; carbon removal
Keywords End-Product	Biochar; heat; carbon removal credits
Abstract:	
<p>The mission of PyroLoop is to contribute to the sustainable and climate-conscious transition towards cleaner, greener and more circular Brussels and Belgium by transforming used coffee grounds into biochar. Biochar is a stable form of charcoal produced in the process of pyrolysis – burning biomass (here: used coffee grounds) in high temperatures in the absence of oxygen. Biochar can increase soil fertility and agricultural productivity and decarbonize the construction sector, while contributing to a net withdrawal of CO₂ from the atmosphere.</p> <p>The business model of PyroLoop is based on the circularity principal and assume main revenue streams related to the B2B sales of biochar for agriculture and to the cement industry, sale of heat generated in the biochar production process and the carbon removal credit compensations.</p>	