



Session	Start-ups/SMEs looking for Finance: Pre-seed/Angel/Seed
Title	Preventive antifreeze solutions for frost protection in fruit cultivation
Company	W'Ice
Speaker	Laure Craeye
TRL	TRL 4 - 7
Keywords feedstock (max 2)	Fermentation medium
Keywords technology (max 2)	Freeze inhibitors
Keywords End-Product (max 2)	Antifreeze Biostimulant
Abstract:	
Spring frost is a recurring and devastating threat to agriculture, particularly fruit and grape production, where a single frost event can destroy a major part of the harvest overnight. Climate change further aggravates the problem by causing earlier crop development, leaving young fruit crops increasingly exposed to late spring frost. Current protection methods such as bonfires, gas burners, and sprinklers can be costly, labour- and resource-intensive, while generating significant CO₂ emissions or consuming vast amounts of water. W'Ice develops a preventive, sprayable frost-protection product produced through fermentation. Its biodegradable solution is being designed to protect blossoms and vine shoots from frost damage without the need for active heating or large volumes of water. Its sprayable and potentially multi-crop application makes it compatible with existing agricultural practices and scalable across crops and regions. With demonstrated POC tests, W'Ice prepares for field trial validation. Founded by Laure and Cedric, the company combines biochemical engineering, precision fermentation and business experience. Having raised 1.68 million €, W'Ice has demonstrated strong support for its technology and vision. W'Ice is seeking additional funding to continue developing & scale production, register and advance the biostimulant to market.	