

Company name	CITROSOL			Challenge Code	07.1
Type of Challenge	Technology				
Specific Challenge	REAL-TIME MEASUREMENT SENSOR FOR MICROVOLUMES IN POST-HARVEST SOLUTIONS				
Description			How might we		
<p>To improve the automatic preparation of samples in post-harvest monitoring and treatment control systems, it is necessary to have a real-time measurement sensor for microvolumes.</p>			<p>For the sensor to be applicable, it must be compatible with these types of samples in case it needs to come into contact with them (a physicochemical compatibility study should be conducted), and it must meet a minimum sensitivity of 0.1 mL, as well as high accuracy and precision.</p>		
Restrictions or Specific Requirements			Partner Profile we are looking for		
<ul style="list-style-type: none"> - The sensor to be developed must be easily integrable into existing sample preparation systems, without requiring significant changes to their structure or operation. - It must also be as compact as possible due to space limitations. - It must be robust in industrial environments (resistant to temperature changes, relative humidity, dust, possible electrical interference) and cost-effective. - It must generate signals that can be easily processed by a conventional industrial PLC. 			<ul style="list-style-type: none"> - High TRL (Technology Readiness Level) solutions. - Production and supply capabilities. - Willingness to sign exclusivity agreements. 		
Keywords	# SENSOR, MICROVOLUMES, INDUSTRIAL, POST-HARVEST SOLUTIOS				
Target Indicators	KPI #1: CHEMICAL COMPATIBILITY	KPI #2: SENSITIVITY	KPI #3: ACCURACY & PRECISION		



SPIN OFFS EMPRESARIALES

CHALLENGE FORMULATION