



EU FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION (2014 – 2020)

Societal Challenge 5: Climate Action, Environment, Resource Efficiency and Raw Materials

PARTNER is looking for a Project.-

1) PARTNER OFFERED

Organisation	IK4-CIDETEC	Type of organisation (IND, SME, Research, Univ., others)	RES
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I am familiar with the European Framework Programme:

YES


I have experience as a Partner or Coordinator:

YES

If yes, in which programmes/projects?

- MAS “*Nanoelectronics for mobile ambient assisted living systems*”, a research project funded by ENIAC JU (2009-2013). The core industry partners came from the European medical devices and electronic industry.
- SUSFLEX “*Smart and sustainable food packaging utilizing flexible printed intelligence and materials technologies*”, an FP7-KBBE-2011 research project for the development of novel packaging materials for food industry. The core industry partners come from the European sensors and food industry.

Role in desired project	technology development: <input checked="" type="checkbox"/>	research: <input checked="" type="checkbox"/>	demonstration:
	dissemination:	training:	other:
Topic/s in which I am interested	WASTE 7: Ensuring sustainable use of agricultural waste, co-products and by-products		

	<p>WATER 5 C: Development of water supply and sanitation technology, systems and tools, and/or methodologies</p>
<p>Expertise offered and what I would like to do</p>	<p>The Sensors Unit of IK4-CIDETEC is specialized in the design and development of low-cost and mass-manufacturable sensors based on screen-printing technology for detecting substances in the clinical, environmental and agri-food industries.</p> <p>IK4-CIDETEC has been granted several patents on screen-printed electrode platforms and is currently working with different companies on the modification of such platforms to make them suitable for specific analyses and custom sensors.</p> <p>The main developments at present comprise the following fields:</p> <ul style="list-style-type: none"> -Electrochemical Enzyme-based biosensors: For detection of substances such as glucose, lactate, cholesterol (medical applications) or glucose, fructose, lactose, malic acid, etc. (agri-food applications). -Electrochemical immunosensors: For detection of drugs and antigens (medical applications) or pathogens (agri-food applications). -Potentiometric sensors for ion detection: Based on ion-selective electrodes (ISE) in freshwater or food. <p>In addition to that, we have a collaboration agreement with an SME which is focused on the development and commercialization of biosensors for AgroFood Industry.</p>  <p><i>Screen-printed electrodes fabricated at IK4-CIDETEC</i></p>

2) COORDINATOR / PROJECT sought after (for proposal submission only)

WP topic : WATER 5 C: Development of water supply and sanitation technology, systems and tools, and/or methodologies

Project type

Research and Innovation Action	x
Innovation Action	
CSA	
SME Instrument	

Keywords of project:

Sustainable water supply, water sanitation, sustainable agriculture, food security.

WP topic : WASTE 7: Ensuring sustainable use of agricultural waste, co-products and by-products

Project type

Research and Innovation Action	x
Innovation Action	
CSA	
SME Instrument	

Keywords of project:

Crop residues, pathogen monitoring, management chain.

I AGREE WITH THE PUBLICATION OF MY DATA.