

**Search for a Spanish Partner for a  
Bilateral R&D Project**

<b>Organization</b>	
<b>Date of Request:</b>	11/09/2022
<b>Company name:</b>	Department of Conservation Biology and Entomology, (Formerly, Department of Entomology and Wildlife) School of Biological Sciences, College of Agriculture and Natural Sciences, University of Cape Coast, Cape Coast, Ghana
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**SECTION 1: Entity launching the partner search**

*(Please give brief/ to the point explanations. For more explanation on any point below, you may add a short paragraph as an annexure, with this document.)*

Sector	Academic, Research and Community Service
Entity mission or core functions	<p><b>Aim</b></p> <p>The aim of this programme is to build the capacity of students in the fields of Conservation Biology and Entomology that enables graduates to provide solutions to pest and vector problems, promote food security, manage wildlife resources, ensure sustainable use of wildlife and reduce biodiversity loss.</p> <p><b>Objectives:</b></p> <p>The programme equips students with the necessary knowledge and skills to enable them:</p> <ol style="list-style-type: none"> <li>i. Control insect pests and vectors</li> <li>ii. Manage wildlife resources</li> <li>iii. Utilize wildlife resources for national</li> </ol>

	<p>development</p> <ul style="list-style-type: none"> <li>iv. Reduce biodiversity loss.</li> <li>v. Promote food security</li> <li>vi. Foster Restoration Ecology</li> <li>vii. Biodiversity and environmental conservation, and insects and products as feed and food</li> <li>viii. Nature Based solutions</li> </ul>
Date of establishment	2002 (renamed on 27 <sup>th</sup> October, 2017)
Ownership (if public and traded, add stock exchange and ticker symbol)	University of Cape Coast/ Public Institution of Higher Learning/ Government of Ghana
Total number of employees	5,056
Number of employees in R&D	801
Key products sold or services provided	<ul style="list-style-type: none"> <li>-Academic training at the professional and graduate levels (Masters/PhD)/</li> <li>- Undergraduate/ Bachelor's training</li> <li>- Cutting-edge research and consultancy services</li> <li>- Knowledge transfer services (academic industry linkages)</li> </ul>
Entity core technical competences	<p>University of Cape Coast (UCC) has on-going partnerships with institutions across the globe in four broad areas; capacity building, research, innovation and consultancy services.</p> <p>In response to the changing needs of society, UCC has added to its traditional functions of producing highly qualified and skilled labour in education, the training of educational planners, administrators, agriculturalists, actuarial scientists, optometrists, information technologists, biochemists, entomologist, environmentalists, laboratory technologists and experts in commerce, management, tourism, population and family life education, water and sanitation, molecular biology, biotechnology, computer science and livestock system managers. Engineering programmes are well advanced in planning</p>
Key R&D programs and activities	The 2023-2027 Research Agenda under the theme <i>Transdisciplinary Research and Innovation for Sustainable Development in a Changing World</i> is hinged on six key strategic research areas namely;

	<p>empowering and transforming society, health in a changing society, science and technology applications to emerging challenges, responsive distance education, transformative education in the 21<sup>st</sup> century; and evidence synthesis for policy and practice. In seeking to operationalize the research agenda,</p>
<p>Examples of accomplishments</p>	<ul style="list-style-type: none"> <li>-The results of 2022 Times Higher Education World University Rankings, placed the university as the topmost university in Ghana and West Africa and 4<sup>th</sup> in Africa, among the top 350 universities globally and 1<sup>st</sup> in research influence globally.</li> <li>- The details of the full innovation report, 2022 can be found on the university's webpage <a href="https://www.ucc.edu.gh/reports/innovation-report">https://www.ucc.edu.gh/reports/innovation-report</a>.</li> <li>- Ghana's first interactive Bee Map is among the latest in the report</li> <li>- 2021 A Novel Screening Algorithm For Blood Donors With Subclinical Malaria</li> <li>- 2021 Production Of Portland Pozzolana Cement From Rice Husk Ash</li> <li>- 2021 Acoustoelectric Current In Graphene anoribbon Due To Landau Damping</li> <li>- 2000 – 2019   Five Varieties Of Cassava</li> <li>- 2008 -2019  Seven Varieties Of Cowpea</li> <li>-Kosmos Innovation Centre (KIC) AGRITech Challenge and annually puts out competition on value chain in agriculture products for students</li> <li>- Innovation Clubs where members source of novel ideas</li> <li>-UCC and Aeshasi University system change project that help improve employability rate of graduates in the next 5 years</li> <li>-Junior Consultancy Programme under DigiCap Project alumni come up with software solutions</li> <li>Rufurom Recap Fund Project which is a revolving fund that give credit to student entrepreneurs.</li> </ul>
<p>Company strategic orientation</p>	<p>The University of Cape Coast is an equal opportunity university uniquely placed to provide quality education through the provision of comprehensive, liberal and professional programmes that challenge learners to be creative, innovative, and morally responsible citizens.</p> <p>-Through distance learning, it also extends expertise and facilities to train professionals for the education enterprise and business by employing modern technologies.</p>

**SECTION 2: Spanish Company Profile**

*(Please provide a brief summary of the prospective partner company or organization. This summary may address some or all of the points below)*

Profile of ideal technology partner	CBE- UCC seeks partners that are into smart beekeeping, stored grain pests, medical and vector control technologies, as well as technologies for animal in captivity and free range
Core technological competencies and expertise	Partners should have competence in characterization, design and fabrication of tools for remote assessment, monitoring and sustainable management of hives and bee keeping tools (bee suits) for aggressive species, hive product development, and early detection of grain storage pests
Other essential qualifications (e.g.: ownership, track records etc.)	The company should have track record in characterization, design and fabrication of tools that is suitable for varied habitat types; the company should also have experience and good relationship working with training and research institutions and should preferably has experience working in Africa or ready to establish a branch/subsidiary in Ghana or West Africa. The company should have expertise in knowledge transfers in the area of expertise
If you have a list of companies with whom you are in contact or interested in contacting, please provide contact details	Not available
If you are interested in collaboration: please specify details and other important information you want to share with a potential company	
Interested areas of collaboration	Smart bee keeping Stored grain insect pests Wildlife in captivity and free range Smart technologies for insects of medical and veterinary importance Biophotonics in entomology
Specific R&D contribution you are seeking/offering	

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**Signature**

**Name: Dr Rofela Combey**

**Date: 13<sup>th</sup> September, 2022**

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