

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

Organization	
Date of Request:	March 14, 2023
Company name:	Centre Suisse de Recherches en Côte d'Ivoire (CSRS)
Contact person and title/ designation:	Roger KPON, MSC Head of Technology and Information Systems Unit, at CSRS
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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	Scientific research
Entity mission or core functions	The overall mission of CSRS is to generate credible evidence through science and to serve as a platform for partnerships for capacity building and the translation of research results into cross-sectoral development action in Côte d'Ivoire and in West Africa.
Date of establishment	1951
Ownership (if public and traded, add stock exchange and ticker symbol)	CSRS, as a center of excellence in research addressing several issues, is under the supervision of the Ministry of Higher Education and Scientific Research in Côte d'Ivoire. <ul style="list-style-type: none"> • For the issue of ownership of evidence, with the partner, CSRS will guarantee this aspect according to the existing laws in Côte d'Ivoire.
Total number of employees	<ul style="list-style-type: none"> • 150 employees

Number of employees in R&D	<ul style="list-style-type: none"> • 200
Key products sold or services provided	<p><u>Products or services could concern:</u></p> <ul style="list-style-type: none"> • Publications • Patents • Reports of activities
Entity core technical competences	<ul style="list-style-type: none"> • Research and development • Research and innovation
Key R&D programs and activities	<p><u>Key programs:</u></p> <ul style="list-style-type: none"> • Yamsys Program • Demographic Surveillance • OneHealth Program
Examples of accomplishments	<p><u>Some accomplishments:</u></p> <ul style="list-style-type: none"> • Biodiversity and dynamics of the Ivorian tropical forest. • Impact of climate change on forest ecosystems in Côte d'Ivoire. • Evaluation of sustainable agricultural practices to improve productivity and reduce environmental impacts. • Analysis of the effectiveness of wildlife conservation strategies in Côte d'Ivoire. • Prevalence and distribution of infectious diseases in human and animal in Côte d'Ivoire.
Company strategic orientation	<p><u>Strategic orientation:</u></p> <ul style="list-style-type: none"> • The main interest of CSRS focuses on interdisciplinary and applied research to address the challenges of sustainable development in Côte d'Ivoire and the West African region.

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	<p><u>Technological profile of the partner:</u></p> <ul style="list-style-type: none"> • Technical expertise in areas such as optical character recognition (OCR), natural language processing (NLP) • Computer vision, and machine learning to develop an effective intelligent document processing solution.
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	<ul style="list-style-type: none"> • Artificial intelligence applied to disease analyses in wastewater.
Core technological competencies and expertise	<p><u>Core competences requested:</u></p> <ul style="list-style-type: none"> • The desired partner should have expertise in data science, • Machine learning, software engineering, • AI development libraries, natural language processing, databases, and data visualization.
Other essential qualifications (e.g.: ownership, track records etc.)	<p>Qualifications:</p> <ul style="list-style-type: none"> • The partner should have worked on similar projects and have a thorough understanding of the challenges and opportunities in this area. • Interest on the scientific research field to contribute generating evidence for developing countries particularly in Côte d'Ivoire using Machine learning, AI, data visualization. • The partner should be able to address issues of e-Learning, pathogens identification in contaminated wastewater, and big data.
If you have a list of companies with whom you are in contact or interested in contacting, please provide contact details	No, we have no idea of company for this application. We would be pleased if you could contribute to identify companies in line with our field of interest.
If you are interested in collaboration: please specify details and other important information you want to share with a potential company	<p>We have 2 core information to be shared with the partner:</p> <ol style="list-style-type: none"> 1. Processing a large quantity of documents, structured and unstructured data, intelligently processing all documents and classifying them according to predefined criteria. This could contribute to performing statistical analyses and producing results that can be used to scale up certain research results. 2. Identification, and prediction of pathogens in wastewater using AI. There



	<p>is low innovation for prediction of pathogen risk using AI, particularly in the context of climate change, combined with poor sanitation. This issue is highly relevant for CSRS.</p>
<p>Interested areas of collaboration</p>	<p><u>Areas of collaborations:</u></p> <ol style="list-style-type: none"> 1. Technical and technological collaboration and assistance for developing practical tools. 2. Capacity building and trainings.
<p>Specific R&D contribution you are seeking/offering</p>	<p><u>Specific contribution seeking:</u></p> <ul style="list-style-type: none"> • To find a Spanish partner in the field of technological innovation in terms of research assistance, • Contribution for funding our research and accompanies could help for the implementation of the solution: automated and intelligent treatment of the documents. • AI implementation for pathogen risk prediction in contaminated environment.

Signature

Name: Mr. Roger KPON

Date: 07.03.2023

