



## **BIOINNOVATE AFRICA PROGRAMME PHASE II**

### **Terms of Reference for**

### **A techno-economic analyses consultant for BioInnovate Africa supported projects**

#### **1. BACKGROUND**

The Bioresources Innovations Network for Eastern Africa Development (BioInnovate Africa) Programme is a regional biosciences research and innovation initiative established in 2010 with support from the Swedish International Development Cooperation Agency (Sida). It is based at the International Centre of Insect Physiology and Ecology (*icipe*), and operates in Burundi, Ethiopia, Kenya, Rwanda, Tanzania and Uganda. The Programme assists these countries to benefit from the revolutionary advances in biosciences, contributing to economic growth and sustainable development.

The Programme aims to increase the capacity of scientists, researchers and innovators in the region's universities, research institutes and firms to link biobased ideas and technologies to business and the market. Such links do not only enable translation of bioscience research outputs to innovations (goods and services for societal use), but also expands opportunities to create jobs, increase household incomes and reduce poverty in a sustainable way. The Programme's thematic areas are: a) value addition to agro-produce; b) agro-waste/biowaste conversion; and c) bioeconomy policy analysis.

*icipe* intends to procure the services of a consultant to carry out techno-economic analyses (TEA) of projects funded through BioInnovate Africa Programme Phase II. The TEA will guide investment decision-making at the Project level by the partners as well as Programme level by *icipe* and Sida.

#### **2. OBJECTIVES**

The objectives of the assignment are to:

- a. Establish the technical feasibility and economic viability of projects supported under the BioInnovate Africa Programme Phase II.
- b. Make recommendations for improving the technical and economic viability of the projects.
- c. Share knowledge and skill about TEA with the project teams or their representatives.

### **3. SCOPE**

The assignment shall cover regional bio-innovation projects supported under the BioInnovate Africa Programme Phase II. These projects involve collaborating partners in six countries, namely, Burundi, Ethiopia, Kenya, Rwanda, Tanzania and Uganda; and they include universities, research organisations, private firms, non-governmental organisations, government ministries, departments, and agencies.

### **4. DESCRIPTION OF THE ASSIGNMENT**

The assignment is to carry out a TEA of projects supported under the BioInnovate Africa Programme Phase II. The projects can be viewed at: <https://bioinnovate-africa.org/category/projects/phase-ii/>. The assignment will involve interacting with the project teams to collect relevant information and data for the TEA. This may involve travel to project sites in the six Eastern Africa countries. The TEA should take into account the regional nature of the projects and the investments necessary to achieve scale at both national and regional level. It will also be done for the different commercial aspects of each selected project.

More specifically, the assignment involves:

- a. Developing a model and/or methodology for carrying out the TEA. This should be acceptable and lead to credible results.
- b. Carrying out field work/visits to collect relevant data/information for the TEA.
- c. Preparing a TEA report with all the findings and results/recommendations to *icipe*/ BioInnovate Africa Programme and the project teams.
- d. Involving the project teams and key stakeholders to validate the TEA report.

### **5. RESOURCES**

The BioInnovate Programme Management Office will provide the Consultant with the following:

- a. Relevant travel and logistics to undertake the assignment per *icipe* policy and guidelines;
- b. Relevant project documents for the assignment;
- c. Contact information of all the respective project partner teams and their institutions/firms.

### **6. QUALIFICATIONS AND EXPERIENCE**

The Consultant must have at least 5 years' experience in undertaking TEA in any field relevant to BioInnovate Africa Projects. The Consultant should have a working knowledge of eastern Africa; and should be sufficiently qualified and capable of providing a fully competent multidisciplinary team of experts for the assignment.

**7. DURATION**

The duration of the contract shall be 18 months from the date of signature of the contracting parties. However, given that projects are at different stages, the TEA assignment for each selected project shall be specified in the Consultants schedule of activities.

**8. DELIVERABLES AND TIME LINES**

The deliverables of the assignment shall be as follows:

	<b>Deliverable</b>	<b>Timeline</b>
1.	An inception report, which elaborates the evaluation methodology and tools to be applied including a schedule of activities for the assignment.	Three weeks after signing the contract
2.	Draft reports. The reports should include contribution from project team members or their representatives.	60 days after commencing TEA for each selected project.
3.	Final reports. Each final report should include an executive summary, background, methodology, key findings, conclusions, lessons and recommendations. Annexes shall include the key documents reviewed, data collection instruments, and data sets, etc. The final report should include input from the Project team members, and and key stakeholders.	30 days after receiving BioInnovate Africa comments on the draft report for TEA of each selected project.

**9. PAYMENT TERMS**

The payment terms shall be negotiated.

**10. CONSULTANT SELECTION**

The selection of the Consultant will consider the quality of the proposal and cost of the services.

The specific requirements are as follows:

- i. A proposal indicating the Consultant’s understanding of the assignment, and a detailed methodology of how they will conduct the TEA.
- ii. A financial proposal showing the cost of conducting the TEA for each selected project.
- iii. At least one report of similar assignment conducted in the past three years.
- iv. A brief CV of the personell who will be involved in the assignment.
- v. Names and contacts of two referees (phone numbers and email).

**Disclaimer:** *icip*e may at any time terminate the request for this proposal proceedings before contract award and shall not be liable to any person for the termination.