

## CALL FOR EXPRESSION OF INTEREST

### Recruitment of individual consultants to conduct the TARSPRO project baseline study

Opening date : 18 august 2021

Closing date : 27 august 2021

CEIN° 24-2021

### **RELAUNCH**

The West and Central African Council for Agricultural Research and Development (CORAF) signed, on November 30, 2020, a partnership agreement with the Swiss Development and Cooperation Directorate (SDC) for the implementation of a program called Agricultural Technologies and Innovations Scaling Up Project for Increasing the Resilience of Production Systems and Family Farms in West and Central Africa (TARSPRO). The TARSPRO program was developed to deploy, among family farms, the innumerable technologies, innovations and knowledge that research has developed over the past ten years to meet the challenges of climate change, population growth, increased urbanization leading to a change in diet. The overall objective or even the impact of TARSPRO is to ensure food, nutritional and economic security for the populations of the countries targeted by the project countries. The long term effect targeted throughout the project will therefore be (i) To increase the resilience of the food production system of at least 2 million producers / processors, 50% of whom are women and 60 % of young people in the 5 target countries and more than 10 million indirect beneficiaries. (ii) To sustainably satisfy the demand for know-how (technologies and innovations) of at least 40% of family farms affected by the project intervention: (iii) To ensure a coalition and a synergy of actions of the actors of agricultural transformation. This project will cover 5 West and Central African countries (Benin, Burkina Faso, Mali, Niger and Chad).

The objective of this call for expressions of interest is to conceptualize a baseline study in line with the planned results of the project and conduct the survey to provide a good basis for monitoring project results and impact assessments.

As part of this study, CORAF is recruiting a senior consultant (Team Leader) and junior consultants preferably in each of the countries where the TARSPRO project is implemented (Benin, Burkina Faso, Mali, Niger and Chad).

The tasks to be performed as well as other information are detailed in the attached terms of reference.

Interested consultants can obtain further information by sending correspondence by email to the following address: [n.nkoum@coraf.org](mailto:n.nkoum@coraf.org).

Individual consultants will be recruited on a competitive basis according to the rules contained in the CORAF Administrative, Financial and Accounting Procedures Manual according to the qualification criteria in the attached terms of reference.

Consultants interested in this call must submit an expression of interest and a detailed CV outlining their aptitude to carry out the assignment, specifying the position and the country for which they are applying, to [procurement@coraf.org](mailto:procurement@coraf.org), by **August 27, 2021, at 5:00 p.m. GMT at the latest**

**Dr Abdou TENKOUANO**  
**CORAF Executive Director**

## TERMS OF REFERENCES

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### Recruitment of individual consultants to conduct the baseline study of the TARSPRO project

#### A. Background

The West and Central African Council for Agricultural Research and Development (CORAF) signed, on November 30, 2020, a partnership agreement with the Swiss Development and Cooperation Directorate (SDC) for the implementation of a program Scaling Up Agricultural Technologies and Innovations for Increasing the Resilience of Production Systems and Family Farms in West and Central Africa (TARSPRO). The overall objective or even the impact of TARSPRO is to ensure food, nutritional and economic security for the populations of the countries targeted by the project countries. The long term effect targeted throughout the project will therefore be (i) to increase the resilience of the food production system of at least 2 million producers / processors, 50% of whom are women and 60 % of young people in the 5 target countries and more than 10 million indirect beneficiaries. (ii) To sustainably satisfy the demand for know-how (technologies and innovations) of at least 40% of family farms affected by the project intervention: (iii) to ensure a coalition and a synergy of actions of the actors of agricultural transformation. This project will cover 5 West and Central African countries (Benin, Burkina Faso, Mali, Niger and Chad).

i. For an increase in the resilience and productivity of EAFs, the following outputs would be required:

- 1.1. Support for the practice of climate-sensitive agriculture (CSA)
- 1.2. Supporting the acceleration of technology adoption
- 1.3. Promotion of gender-sensitive technologies
- 1.4. Promotion of nutrition-sensitive technologies
- 1.5. Mass production of the most demanded technologies and inputs
- 1.6. Promotion of digital services
- 1.7. Support for the use of appropriate inputs (seeds, fertilizers and pesticides) for agricultural production
- 1.8. Management of post-harvest losses

ii. In order for the demand for know-how (technologies and innovations) from EAFs to be sustainably satisfied, the following outputs will be required:

- 2.1 Identification of disruptive technologies and innovations and packaging
- 2.2 Technology information and marketing campaign
- 2.3 Strengthening the individual and institutional capacities of implementing partners
- 2.4 Generation of new T&I at the request of users

iii. For a coalition and a synergy of actions of actors to be guaranteed for agricultural transformation, the following outputs would be required:

- 3.1 Operational platform for the management of scientific knowledge
- 3.2 Meetings on the state of agricultural research in West and Central Africa
- 3.3 Organization of agricultural technology trade fairs
- 3.4 Holding of research-policy dialogue
- 3.5 Monitoring and conducting studies on emerging issues
- 3.6 Institutional and development communication.

The project implementation logic in terms of indicators is developed in the logical framework in Annex 1 of the document.

### **The development hypothesis**

If women and young people seize the opportunities of climate-smart technologies and innovations that the innovation system makes available to them through multi-actor innovation platforms, capacity building and all the modern digital tools for the production, processing and marketing of agricultural products;

Then, the food production systems of smallholder farmers will be more resilient to socio-climatic disturbances.

If smallholder food production systems are more resilient to socio-climatic disturbances,

Then women and young people will have food and financial autonomy to take care of their family members in terms of: (i) quantitative and qualitative food, (ii) decent housing and clothing, (iii) health coverage and education and will not need to undertake high-risk migration.

In order to achieve this, the project should make the necessary resources available to the actors facilitating the intervention at the right time so that each actor can effectively accomplish their mission. The detailed project implementation logic in terms of indicators is developed in the logical framework in Annex 3 of the document.

### **The target group**

The dissemination and use of research T&I will primarily target the SDC's target countries in West Africa, namely Benin, Burkina Faso, Mali, Niger and Chad.

The deployment of T&I along value chains will affect 3 categories of actors. The first category is made up of small family farmers and processors of agricultural products, especially its youth, women and people with disabilities. These beneficiaries are the most numerous to make a living from agriculture and produce nearly 80% of the world's food. It is therefore in their food production system that the project intends to deploy the new T&I.

The second category of beneficiaries are the technical staff responsible for supporting the first category. They are represented in this project by research staff from centres of specialization or excellence and national institutes (INRAB, INERA, INRAN, IER, ITRAD) and agricultural education (faculties and higher schools of agronomy), public and private agricultural council. A shortage of personnel at the research level has been observed due to retirements without consequent replacement. The project intends to strengthen the capacities of this staff by training young people to help fill the gap and increase their skills. The project also intends to invest in the work environment to increase their performance.

The actors of regional activities of agricultural research and development that is CORAF and its partners (CCAFS, AGRHYMET, ICRAF, IITA, AfricaRice, ICRISAT, etc.) will represent the third category of beneficiary. They play a crucial role in mobilizing actors in the region for a synergy of action and pooling of efforts to achieve the expected impact of agricultural research and development. As part of this project, a greater connection to politics is expected through more research-policy dialogue to inform decision-making aimed, among other things, at creating the favourable environment for the transformation of agriculture in West and Central Africa.

## **B. Objectives of the mission**

The main objective of this mission is to conceptualize the baseline study according to the expected results (products, results and impacts) of the project and to carry out the data collection to provide a good basis for the monitoring of the results of the project, the mid-term evaluation and impact evaluations.

As part of this mission, the senior consultant (Team Leader) will be responsible for implementing the following tasks:

- Study the results framework of the TARSPRO project and provide a critical analysis with regard to the alignment, coherence and contribution of the project's interventions (output) to achieve higher results (outcomes and impacts);
- Perform a comprehensive review of the literature in order to better conceptualize the survey;
- Conceptualize the methodology of the survey based on the critical analysis and the literature review;
- Design the tools and methodology of the study which will subsequently be adapted and refined after presentation and modifications during the kick-off meeting;
- Plan and conduct data collection (interviews, consultation at national and regional levels, etc.) according to the approved plan;
- Compile data and consolidate the draft baseline study report and ensure validation, review and final submission of the study report.
- Provide benchmarks for all indicators as described in the project results framework.

## **C. Description of the mission's tasks**

### **➤ *Contextualization of the study***

During this step, the consultant will perform the critical analysis of the TARSPRO results framework and deepen the literature review on how to observe the data on the changes that will occur among the targeted beneficiaries and other groups of stakeholders. This critical analysis will help to develop a matrix of parameters which will be discussed in detail during the kick-off meeting. The baseline survey will mainly focus on the levels relating to impact and outcomes, some specific expected results at output level will also require baseline data (the criteria of which will be discussed and agreed upon at the kick-off meeting).

The methodology for data collection and analysis, including tools and instruments such as questionnaires, should be finalized at the kick-off meeting, as well as the sampling and selection of units of analysis (e.g. group target to be interrogated, etc.).

The survey should be consultative enough to involve stakeholders at national and regional levels where possible.

An inception report on the conceptualization of the study will be prepared by the consultant and discussed at the kick-off meeting. The initial report will indicate the milestones and the timeframe for the various stages of the assignment, as well as any other important questions.

Documentation on the TARSPRO project will be provided to the consultant at the start of the assignment.

#### ➤ ***Implementation of the survey: data collection***

The consultant will take into consideration the results of the kick-off meeting to modify and refine the inception report, including survey tools and a detailed implementation plan.

Based on the agreed conceptual framework, the consultant will be responsible for the design and execution of the survey implementation plans. The consultant will also be responsible for the management of field operations, including logistical arrangements for data collection and obtaining consent from respondents. CORAF will be able to provide letters of introduction when necessary.

The consultant will regularly inform CORAF of the progress of the work in the field at least at the end of each month. Reports should include the number of survey tools completed against the planned target, challenges encountered and how they were resolved.

#### ➤ ***Data analysis and report finalization***

The consultant will be responsible for the preparation of the data analysis plan, data analysis, development of the baseline report plan, data quality control, data delivery and use of the data to compile the baseline study report. The baseline study report should contain, among other things, the main conclusions and explanations, an assessment of the methodological approach and the baseline values for all indicators as described in the project results framework.

The final version of the survey tools, graphics, maps and field notes should be presented as annexes to the final report.

### **D. Deliverables and deadlines**

The consultant will report to the Director of Research and Innovation, through the TARSPRO Project Manager, on the assignment and any other logistics until the deliverables are submitted as required. The consultant is expected to undertake the services with the highest standards of professionalism and ethics, competence and integrity.

The main deliverables of the mission are:

- i. The study inception report which includes the final conceptual framework, to be submitted one week after the kick-off meeting.
- ii. Monthly progress reports that must be submitted at the end of each month from the first day of the start of the assignment.
- iii. The draft baseline study report to be submitted by the end of August 2021 at the latest.

- iv. The final baseline study report to be submitted by September 15, 2021, with the following appendices: (1) the tools used for data collection; (2) TARSPRO project results frameworks with all indicators and their respective reference values.
- v. The audited databases as well as the syntaxes.

All reports, notes and minutes prepared by the consultant must be written in French and English. The documents to be presented must be in paper format and in electronic format and in Word.

#### **E. Duration of the mission and timeline**

The mission must be fully completed within a maximum of 3 months, and no later than November 15, 2021. The start of the mission is scheduled for beginning of September 2021 at the latest.

The assignment will require a total of around 30 man-days for the senior consultant (Team Leader) and 10 man-days for each junior consultant.

Once recruited, the consultant will provide a detailed schedule of the various activities to be undertaken during the mission and respecting the deadlines set out in section E.

The assignment will be carried out from where the consultant is based with field trips whenever necessary or in accordance with the baseline study implementation plan. Beyond the consultation costs, CORAF will cover the costs of travel and accommodation for field trips for data collection. Any other logistical support, which will be agreed, to facilitate the execution of the mission will also be covered by CORAF.

#### **F. Data confidentiality and ownership**

The consultant will protect the confidentiality of those participating in the survey at all stages. All data is confidential and is the property of CORAF. No data or other information from this study will be disclosed to third parties without the written approval from CORAF.

#### **G. Team composition and qualifications**

The desired composition of the consultant team is as follows:

- A senior consultant (team leader)
- Five (05) junior consultants preferably in each of the TARSPRO project implementation countries (Benin, Burkina Faso, Mali, Niger and Chad)

The following qualifications are required:

##### **- For the Team Leader :**

- Minimum qualification: A master's degree in agricultural economics, economics, socio-economics, rural development, agriculture, statistics, or any other related field. A doctorate will be an advantage.
- At least 08 years of experience in carrying out baseline studies, medium and long term evaluations, impact studies or similar missions in agricultural development or agricultural research and development programs and projects.
- Have a good working knowledge of qualitative and quantitative data analysis techniques as well as a good ability to undertake online surveys.

- Proven experience in advisory services to international or national agricultural organizations on various research and development issues.
  - Experience in report writing, evidenced by publications, such as study reports, books, book chapters, conference papers and journal articles.
  - Ability to deliver accurate, high quality analysis and documents under pressure.
  - Proven knowledge of the agricultural sector in West and Central Africa.
  - Excellent communication skills, preferably in French and English
- **For the junior consultants :**
- Minimum qualification: A master's degree in agricultural economics, economics, socio-economics, rural development, agriculture, statistics, or any other related field. A doctorate will be an advantage.
  - At least 04 years of experience in carrying out basic studies, medium and long-term evaluations, impact studies or similar missions in agricultural development or Agricultural Research and Development programs and projects.
  - Have a good working knowledge of qualitative and quantitative data analysis techniques as well as a good ability to conduct online surveys.
  - Have practical experiences of data collection missions.
  - Have a demonstrable ability to write concise technical reports.
  - Excellent communication skills, preferably in French and English.

## **APPLICATION PROCEDURE**

Consultants interested in this call must submit an expression of interest and a detailed CV outlining their aptitude to carry out the assignment, specifying the position and the country for which they are applying, to [procurement@coraf.org](mailto:procurement@coraf.org), by **August 27, 2021, at 5:00 p.m. GMT at the latest.**



**Annexe 1 : Logical framework**

| Hierarchy of objectives<br>Intervention strategy ①   | Key indicators ①   | Data sources<br>Means of verification ①  |   |
|--|--|--|---|
| <b>Impact (Main objective) ①</b>   | <b>Impact indicators ①</b>   |  |   |
| Ensuring food, nutritional and economic security for the populations of Central and West Africa        |  |  |   |
| <b>Outcomes (Effects) ①</b>  | <b>Outcome indicators ①</b>  |  | <b>External factors (assumptions and risks) ①</b> |
| Outcome 1 : Increased resilience and productivity of family farms                                      | EAF productivity increased on average by at least 30% in the 5 target countries  | <u>Activity Report</u><br>. Agricultural production statistics<br>Directory of affected EAFs                         | Climatic shocks<br>Community conflicts            |
| Outcome 2 : Demand for know-how (T&I) from family farms satisfied                                      | The T&I demand of at least 40% of the EAF affected by the intervention is satisfied  | <u>Activity report</u> :<br>. List of T&I released in response to requests<br>. Statistics of satisfied demands      | Financial availability for family farms           |
| Outcome 3 : Coalition and synergy of actions of actors in the transformation of agriculture is assured | At least 50% of the needs for coalition and synergy of actions with other actors identified during the implementation of the project have been the subject of formal or informal partnership | <u>Activity report</u> :<br>Copies of formalized partnership agreements<br>List of informal partnerships / alliances |   |
| <b>Outputs by outcome and costs</b>  | <b>Output indicators</b>   |  |   |
| <b>For outcome 1 : Increased resilience and productivity of family farms</b>                           |  |  |   |

| <b>Hierarchy of objectives<br/>Intervention strategy ①</b> |   | <b>Key indicators ①</b>   | <b>Data sources<br/>Means of verification ①</b>  |  |
|--|---|---|--|--|
| Output 1   | Support for the practice of climate-sensitive agriculture (CSA) | <ul style="list-style-type: none"> <li>. List / Number of technologies chosen based on climate information received for the cropping season</li> <li>. Number of T&amp;I and agro ecological practices adopted on family farms</li> <li>. Areas under agro-ecological practices (100 Thousand ha / country)</li> <li>. Number of climate-smart villages established (around 100 per country)</li> </ul> | <u>Activity report</u> : <ul style="list-style-type: none"> <li>. List of agro-meteorological recommendations distributed to family farms</li> <li>. Statistics of EAFs that have adopted CSA practices</li> </ul>       |  |
| Output 2   | Supporting the acceleration of technology adoption              | <ul style="list-style-type: none"> <li>. At least 400 thousand hectares per country are under new technologies and innovations</li> <li>. Number of producers / processors who have adopted at least one promoted technology (2 million direct beneficiaries and 10 million indirect beneficiaries after the first 4 years)</li> </ul>  | <u>Activity report</u> : <ul style="list-style-type: none"> <li>. List of agroecological practices disseminated</li> <li>. Register of adopters of disseminated T&amp;I</li> <li>. New T&amp;I Adoption Cards</li> </ul> |  |
| Output 3   | Promotion of gender-sensitive technologies                      | Proportion of women and young people among adopters of new technologies (40% women; 60% young people)   | <u>Activity report</u> : <ul style="list-style-type: none"> <li>. List of gender-sensitive technologies disseminated</li> <li>. Statistics of actors who have adopted gender-sensitive technologies</li> </ul>           |  |
| Output 4   | Promotion of nutrition sensitive technologies                   | Number of nutrition-sensitive T&I adopted   | <u>Activity report</u> : <ul style="list-style-type: none"> <li>. List of nutrition-sensitive technologies disseminated</li> <li>. Statistics of actors who have adopted nutrition-sensitive technologies</li> </ul>     |  |

| <b>Hierarchy of objectives<br/>Intervention strategy ①</b>                          |   | <b>Key indicators ①</b>   | <b>Data sources<br/>Means of verification ①</b>  |  |
|---|---|---|--|--|
| Output 5  | Mass production of the most demanded technologies and inputs  | . Production and distribution are provided for at least 50% of the technologies and inputs requested (physical accessibility)<br>. At least 50% of available T&I requesters are satisfied with physical accessibility | <u>Activity report</u> :<br>. List of technologies subject to mass production and distribution<br>. Technology adoption cards<br>. Survey<br>. Report on the level of stakeholder satisfaction |  |
| Output 6  | Promotion of digital services   | At least five digital tools are used by at least 40% of affected EAFs   | <u>Activity reports</u><br>. List of disseminated tools<br>. List of EAFs using the tools  |  |
| Output 7  | Support for the use of appropriate inputs (seeds, fertilizers and pesticides) for agricultural production | . At 400 Thousand hectares cultivated / country received at least one appropriate input   | <u>Activity report</u><br>Statistics on the use of appropriate inputs  |  |
| Output 8  | Management of post-harvest losses   | Ratio of quantity actually consumed-sold / quantity harvested (reduction of losses from 40% to 20%)   | <u>Activity report</u> :<br>Harvest and consumption monitoring log<br>Survey<br>Report on the level of stakeholder satisfaction  |  |
| Output costs for outcome 1:<br>3) Total cost: CHF 3 990 000 (49%)                   |   | In the case of joint projects: 1) amount of the SDC contribution:   | 2) in% of total cost:  |  |
| <b>For outcome 2 : Demand for know-how (T&amp;I) from family farms is satisfied</b> |   |   |  |  |

| <b>Hierarchy of objectives<br/>Intervention strategy ①</b>  |   | <b>Key indicators ①</b>  | <b>Data sources<br/>Means of verification ①</b>   |  |
|---|---|--|---|--|
| Output 9  | Disruptive technologies and innovations identified and packaged for users         | 100% of T&I with high scaling potential are selected and packaged  | <u>Activity report</u> :<br>List of T&I released  |  |
| Output 10   | Efficient T&I marketing mechanism   | At least 50% of popularized T&I are adopted due to a marketing voucher   | <u>Activity report</u><br>. List of adopted technologies due to marketing<br>. List of T&I known to actors through marketing              | The other conditions of access are met (finances, profitability, opportunity cost, etc.) |
| Output 11   | Individual and institutional capacities of implementing partners are strengthened | . 10 students of which 5 women (4 for the PhD and 6 for the Master's degree) are supported by country<br>. Number of infrastructures built / rehabilitated<br>. Number of equipment acquired | <u>Activity report</u><br>. List of supported students<br>. List of built or rehabilitated infrastructure<br>. List of acquired equipment |  |
| Output 12   | Generation of new T&I at the request of users                                     | 50% of new T&I needs expressed during project implementation are addressed and satisfied   | <u>Activity report</u><br>List of new T&I generated   |  |
|   |   |  |   |  |
| Output costs for outcome 2:<br>3) Total cost: CHF 1 399 900 (17%)   |   | In the case of joint projects: 1) amount of the SDC contribution: 2) in% of total cost:  |   |  |
| <b>For outcome 3 : Coalition and synergy of actions of actors in the transformation of agriculture is assured</b> |   |  |   |  |
| Output 13   | Operational platform for the management of scientific knowledge                   | . Number of scientific knowledge generated   | <u>Activity report</u><br>List of scientific knowledge covered  |  |

| Hierarchy of objectives<br>Intervention strategy ①   |   | Key indicators ①  | Data sources<br>Means of verification ①  |  |
|--|---|---|--|--|
|  |   | . 1 scientific information store is set up<br>. At least 80% of the actors who consult the store are satisfied    | Survey<br>Store user satisfaction level report   |  |
| Output 14  | Meetings on the state of agricultural research are held                 | . 100% of planned meetings were held<br>. Number of new findings shared<br>. Number of new findings capitalized   | Dates, venues, meeting reports   |  |
| Output 15  | Agricultural technology fairs held                                      | . Number of fairs organized<br>. At least 80% of fair operators and visitors are satisfied                        | . Dates, venues, report<br>. Satisfaction survey among fair operators and visitors   |  |
| Output 16  | Research-Policy Dialogue held   | Number of recommendations / decisions in favour of the agricultural sector (at least 2)                           | Dates, venues, meeting reports   |  |
| Output 17  | Operational monitoring and anticipation system for agricultural threats | At least 50% of identified agricultural threats are addressed   | <u>Activity reports</u><br>List of agricultural threats identified and addressed   |  |
| Output 18  | Institutional and development communication                             | All relevant communication channels (100%) to reach the target audience are used to communicate about the project | <u>Activity report</u><br>List and frequency of use of different communication channels<br><u>Survey</u><br>Survey report on the penetration rate of information among targeted actors |  |
| Output costs for outcome 3: In the case of joint projects: 1) amount of the SDC contribution: 2) in % of total cost:<br>3) Total cost: CHF 2 799 784 (34%) |   |   |  |  |
| <b>Activities (by output)</b>  |   | <b>Inputs</b>   |  |  |

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| <b>Hierarchy of objectives<br/>Intervention strategy ①</b>  | <b>Key indicators ①</b>  | <b>Data sources<br/>Means of verification ①</b>   |  |
|---|--|---|--|
| <p><b>List of activities for output 1:</b></p> <p>1.1. Capacity building in the production and use of agro-meteorological information</p> <p>1.2. Establishment of climate-smart villages / municipalities</p>  | <p>Number of structures / institutions with strengthened capacities in the production and use of agro-meteorological information</p> <p>Number of villages / municipalities using climate-smart meteorological information</p>   | <p><u>Activity report :</u></p>   |  |
| <p><b>List of activities for output 2 :</b></p> <p>2.1. Mass production of the most demanded technologies and inputs</p> <p>2.2 Facilitation of the establishment of functional innovation platforms around value chains niches</p> <p>2.3. Establishment of best practice centres and technology immersion centres to facilitate the scaling of technologies</p> <p>2.4 Scaling up technologies</p> <p>2.5. Strengthen agricultural advice</p> <p>2.6. Promotion of agro-ecological approaches</p> <p>2.7. Deployment of agro-ecological technologies</p> <p>2.8. Promotion of the use of appropriate inputs (seeds, fertilizers and pesticides) for agricultural production</p> <p>2.9. Establishment of an operational system for mapping the adoption of technologies</p> <p>2.10. Data collection and processing</p> | <ul style="list-style-type: none"> <li>. Number of mass-produced technologies and inputs</li> <li>. Number of innovation platforms set up</li> <li>. Number of hectares of plots sown under new technologies (seeds, fertilizers and pesticides)</li> <li>. Number of agro-ecological approaches that have been the subject of promotional activity</li> <li>. Operational mapping device available</li> <li>. Number of cards produced</li> <li>. Technology adoption database available</li> </ul> | <p><u>Activity report :</u></p> <ul style="list-style-type: none"> <li>. Number of technologies and inputs available</li> <li>. Number of functional innovation platforms</li> <li>. New T&amp;I Adoption Cards</li> <li>. Number of farmers who had access to agricultural advice</li> </ul> |  |

| Hierarchy of objectives<br>Intervention strategy ①   | Key indicators ①  | Data sources<br>Means of verification ① |  |
|--|---|---|--|
| <b>List of activities for output 3 :</b><br>3.1. Promotion of gender-sensitive technologies<br>3.2. Promotion of digital technologies<br>3.3. Facilitation of the disposal of surplus production<br>3.4. Facilitation of the establishment of services for cultivation, post-harvest treatment and processing operations | <ul style="list-style-type: none"> <li>. Number of gender sensitive technologies disseminated</li> <li>. Number of digital technologies disseminated</li> <li>. Annual estimate of the quantity of production sold</li> <li>. Number of services provided for cultivation operations carried out</li> </ul> | <u>Activity report :</u>                |  |
| <b>List of activities for output 4 :</b><br>4.1. Promotion of nutrition-sensitive technologies<br>4.2. Capacity building in healthy production and processing of enriched products   | <ul style="list-style-type: none"> <li>. Number of nutrition-sensitive technologies that have been the subject of promotional activity</li> <li>. Number of actors in the agricultural products processing sector trained on healthy production approaches</li> </ul>                                       | <u>Activity report</u>                  |  |
| <b>List of activities for output 5 :</b><br>5.1. Facilitation of user access to T&I through public-private partnerships<br>5.2. Promotion of T & Is to stakeholders in the agricultural sector   | <ul style="list-style-type: none"> <li>. Number of formalized public-private partnerships</li> <li>. Number of users of technologies that have been the subject of a public-private partnership</li> </ul>  | <u>Activity report</u>                  |  |
| <b>List of activities for output 6 :</b><br>6.1. Promotion of digital technologies<br>6.2. Facilitation of the disposal of surplus production<br>6.3. Facilitation of the establishment of services for cultivation, post-harvest treatment and processing operations  | <ul style="list-style-type: none"> <li>. Number of gender sensitive technologies disseminated</li> <li>. Number of digital technologies disseminated</li> <li>. Annual estimate of the quantity of production sold</li> <li>. Number of services provided for cultivation operations carried out</li> </ul> | <u>Activity report</u>                  |  |

| <b>Hierarchy of objectives<br/>Intervention strategy ①</b>   | <b>Key indicators ①</b>   | <b>Data sources<br/>Means of verification ①</b> |  |
|--|---|---|--|
| <b>List of activities for output 7 :</b><br>7.1 Support for the production and dissemination of improved seeds<br>7.2 Support for Integrated Soil Fertility Management (ISFM)<br>7.3 Support for the development and dissemination of bio-pesticides | <ul style="list-style-type: none"> <li>. List of improved seeds promoted</li> <li>. Number of ISFM technologies promoted</li> <li>. List of promoted bio-pesticides</li> </ul>  | <u>Activity report</u>                          |  |
| <b>List of activities for output 8 :</b><br>8.1. Promotion of post-harvest technologies<br>8.2. Capacity building of agricultural stakeholders in optimal post-harvest management methods  | <ul style="list-style-type: none"> <li>. Number of post-harvest technologies that have been the subject of promotional activity</li> <li>. Number of people trained in optimal post-harvest management methods</li> </ul> | <u>Activity report</u>                          |  |
| <b>List of activities for output 9 :</b><br>9.1. Identification of disruptive technologies and innovations and packaging<br>9.2. Promotion of disruptive technologies  | <ul style="list-style-type: none"> <li>. Number of disruptive technologies identified</li> <li>. Number of disruptive technologies that have been the subject of promotional activity</li> </ul>                          | <u>Activity report</u>                          |  |
| <b>List of activities for output 10 :</b><br>10.1. Development and update of communication tools on existing T&I<br>10.2. Promotion of communication tools on existing T&I   | <ul style="list-style-type: none"> <li>. Number of communication tools developed or updated</li> <li>. Number of people who had access to the developed or updated communication tools and mediums</li> </ul>             | <u>Activity report</u>                          |  |
| <b>List of activities for output 11 :</b><br>11.1 Strengthening human skills in agricultural research<br>11.2 Capacity building in research infrastructure and equipment   | <ul style="list-style-type: none"> <li>. Number of people registered for training</li> <li>. List of equipment acquisitions and infrastructure rehabilitation</li> </ul>  | <u>Activity report</u>                          |  |



| <b>Hierarchy of objectives<br/>Intervention strategy ①</b>  | <b>Key indicators ①</b>  | <b>Data sources<br/>Means of verification ①</b>        |  |
|---|--|--|--|
| <b>List of activities for output 12 :</b><br>12.1 Collecting the needs of producers / processors for new T&I<br>12.2 Generation of new T&I at the request of users  | List of needs expressed by users<br>Number of new technologies generated and approved        | <u>Activity report</u>                                 |  |
| <b>List of activities for output 13 :</b><br>13.1 Activities to make the Scientific Knowledge Management Platform operational<br>13.2. Evaluation of the functioning of the platform                            | . Implementation staff<br>. Infrastructures and equipment<br>. Number of knowledge processed |  |  |
| <b>List of activities for output 14 :</b><br>14.1 Planning and organization of meetings on the state of agricultural research in West and Central Africa<br>14.2. Capitalization of the results of the meetings | . Number of meetings held<br>. List / number of recommendations / decisions of meetings      | Meeting report/minutes<br>Dates and venues of meetings |  |
| <b>List of activities for output 15 :</b><br>15.1 Planning and organization of agricultural technology fairs<br>15.2. Evaluation of the organization of fairs<br>15.3. Monitoring the impact of fairs           | Number of fairs held   | Trade fair report<br>Dates and venues of meetings      |  |
| <b>List of activities for output 16 :</b><br>16.1 Planning and holding of Research-Policy dialogues   | Number of meetings held  | Meetings minutes<br>Dates and venues of meetings       |  |

| <b>Hierarchy of objectives<br/>Intervention strategy ①</b>   | <b>Key indicators ①</b>  | <b>Data sources<br/>Means of verification ①</b> |  |
|--|--|---|--|
| 16.2. Implementation and monitoring of action plans resulting from the dialogues   |  |   |  |
| <b>List of activities for output 17 :</b><br>17.1 Monitoring and conducting studies on emerging issues   | Number of emerging issues identified and addressed   | Study reports<br>Publications                   |  |
| <b>List of activities for output 18 :</b><br>18.1. Capitalization of actions and results / achievements of the project<br>18.2. Dissemination of actions and results / achievements of the project | . Number of capitalizations achieved<br>. Number of information actions organized by the project | . Activity Report<br>. Capitalization documents |  |

***NB : Female candidates are strongly encouraged to apply***