



AfricaRice



INITIATIVE ON
West and Central African
Food Systems Transformation

Capacity building of enumerators in Cote d'Ivoire and Nigeria to collect data in line with the One CGIAR Initiative - Transforming Agri-Food Systems West and Central Africa (TAFS WCA)

Report of mission

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Introduction

Climate smart technologies are demonstrated to sustainably strengthen farmers livelihood capacities and to therefore contribute in addressing the adverse impacts of climate changes on rice production.

The project entitled “Transforming Agri-Food Systems in West and Central Africa (TAFS WCA)” is a One CGIAR initiative aiming to reduce poverty, enhance food and nutrition security, and improve natural resources in the regions by supporting the Climate Smart Agricultural (CSA). Prior to the diffusion of Climate Smart technologies, it is essential to collect the perception of farmers on such technologies in terms of priority and feasibilities. To this purpose, surveys for data collection are being conducted in four (04) sites in each of the three countries of the studies (Ghana, Nigeria and Ivory Coast). The steps of Cote d’Ivoire and Nigeria have already been completed and consisted in individual interview of farmers.

The present report deals with the selection and the training of the enumerators in the different countries.

1. Objectives of the trainings

The overall goal of the training workshops was to introduce enumerators to data collection context, requirements, and tools to guarantee the quality of data to be collected in the different countries.

Specifically, the sessions aimed to:

- Achieve pre and post evaluation of the workshop
- Aware the participants of the climate smart technologies
- Present and review the different questionnaires using participatory approaches
- Strengthen participants’ capacities to use mobile device for data collection
- Supervise individual and group works
- Lead case studies and class discussions of illustrative case studies

2. Methodology

2.1. Human resources

2.1.1. Project leader

The project is being led by a scientist (Climate Change Specialist) of the Sustainable Productivity Enhancement (SPE) Unit of AfricaRice (M’be Research Station).

2.1.2. Supervisors

The data collections were supervised by three consultants of AfricaRice being supported by two (02) permanent staff of the National Cereals Research Institute (NCRI) of Nigeria when conducting the survey in Nigeria. On the field, the consultants participated to the survey as both supervisors and enumerators.

2.1.3. Enumerators

In the different countries of the studies, the enumerators have been selected based on the following requirement:

- Hold a master's degree in agricultural sciences or related disciplines,
- Have strong experiences in data collection
- Skills in mobile based survey is a plus
- Be habitant and speak fluently a local language of at least one of the selected sites
- Have great abilities to adapt to changes
- Be responsible with excellent commitment sense
- Etc.

The team is organized into 3 categories including data manager, supervisors and enumerators, with various responsibilities as presented in the table 1 below:

Table 1. Team members and responsibilities

Profile	Responsibilities
Data manager (1 of the 3 consultants of AfricaRice)	<ul style="list-style-type: none"> ▪ Checks the completeness and quality of the data collected ▪ Provide regular feedback to supervisors and data collection agents ▪ Make regular descents on the field
Supervisors (The 3 consultants of AfricaRice + 2 permanent staff of NCRI in Nigeria)	<ul style="list-style-type: none"> ▪ Supports and monitors team performance ▪ Make unannounced visits to some respondents to verify data ▪ Provide regular feedback to the data collection agents and the other team members
Data collection agents	<ul style="list-style-type: none"> ▪ Visit a respondent at least once a day ▪ Collects all data using the tablets ▪ Deploy the completed data forms by day ▪ Provide regular feedback to the supervisors ▪ Provide, at the end, a data collection report

The table 2 below present the numbers of participants in the different countries disaggregated per gender.

Table 2. No. participants disaggregated per country and gender

Country	Venue	Dates	No. participants	No. enumerators		
				Male	Female	Total
Cote d'Ivoire	Bouake	18 – 19 December, 2022	06	03	03	06
		11 – 12 April, 2023	07	04	03	07
Nigeria	Lafia	10 - 11 March 2023	12	03	03	06
	Bida	14 - 15 March 2023	11	04	02	06
Total	-	-	36	14	11	25

2.2. Material resources

The different materials required for the data collection have been developed or purchased prior to the training. It included:

2.2.1. Designing the questionnaires

Literature review (especially on the project documents) was achieved to point out farmers' constrains due to climate changes. Based on the data collected during this phase, four (04) questionnaires were developed in line with the objectives of the data collection aiming to carry out:

- The bundled technologies based on community needs through an inclusive prioritization process
- The barriers and incentives for scaling nature-positive and one health sensitive technologies
- The water resources availability, and current rice-fish systems practices
- A participatory assessment and mapping of ecosystem services and biodiversity provided by lowlands

2.2.2. Providing toolkits

A toolkit included:

- 4-hard-copy questionnaires
- 1 pen
- 1 notebook
- 1 batch of printed photos of technologies

These printed questionnaires were provided to the enumerators together with the pictures of technology as training manual during the workshop and as guideline and showcase material on the field when interviewing the farmers.

Pen and notebook were used to note some informations during the survey

2.2.3. Renting tablets

7 – 12 tablets, depending on the country and the number of enumerators, were rented, and uploaded with the different questionnaires.

2.3. Methods

Two-day trainings of the enumerators were conducted in Cote d'Ivoire and in Nigeria. During these sessions, participants were introduced to the data collection instruments. A variety of training methodologies were employed, in an attempt to enable the course to be participatory and interactive and to allow participants to effectively assimilate the new ideas and learning. Thus, hands-on approach was used to review the different questionnaire, show the enumerators team how to conduct the interview with KoboCollect. The questionnaires were developed in both English and French and the training was conducted in one of these language depending on the targeted country.

After having browsed each questionnaire, the class is divided into two groups of 2 persons including 1 interviewer and 1 interviewee to test the instrument and their understanding. The roles are then permuted. At the end of the exercise, the groups are invited to share their views and understanding of the questionnaire, their issues and to make their propositions when something looks wrong.

3. Outputs

3.1. Capacity building

Participants were invited to fill in individual evaluation forms before and after the trainings. To know and how the training built the participants' capacity, the form was used the pre and the post training evaluation. Based on the pre training evaluation's finding, in overall 40% (n=25) of the participants had no prior experiences in mobile based survey. However they finds this method very faster and easier than using paper based questionnaire. The post training evaluation's result showed that they master and fluent with this new method.

3.2. Data collection

The number of questionnaires administrated and submitted disaggregated per country, site, category and gender is presented in the table3 below.

Table: Number of farmers interviewed disaggregated per country, gender and data collection tools

Country	Gender	Barries and incentives to	Ecosystem services of lowland	Technology prioritization	Integrated rice-fish	Total per gender

		technology adoption				
Cote d'Ivoire	Men	118	107	116	19	360
	Women	27	33	22	2	84
Nigeria	Men	78	81	81	49	289
	Women	42	40	41	23	146
Total per tool	-	265	261	260	93	879

4. Photos gallery



Participants to a training session in Cote d'Ivoire



Session of training of Nassarawa state agents



Session of training of Niger state agents