



Several monitoring activities and some surveys have been conducted.

In June, E-COBSI carried out various monitoring activities and surveys. These included monitoring a permanent weir and COBSI research targeted sites and performing a Nutrition Endline survey. As part of the Nutrition survey, we also conducted a Nutrition Narrative survey to add more information to the data gathered in the nutrition endline survey. Regarding E-COBSI fishpond activities, the weight of the fish reached 130g, so the fish harvest & post-harvest training was conducted in Northern province practically.

Monitoring activities of Permanent weirs

E-COBSI has continued to monitor the progress of permanent weir construction in the three new target provinces. As before, each site was monitored by Japanese experts, representatives of TSB officers and SAO. The progress of each site is as below.

Progress of permanent weir construction

Province	District	Progress
NW	Kasempa	SIE went to the site every week to manage the construction in June. The weir body was completed. The lining of the left canal was completed and water can be taken from the new canal. The left slope protection work was completed, and the left abutment work has begun.
Copperbelt	Mufira	A master trainer from FU province was dispatched on June 4 to select the canal route and excavate the canal. The weir body was completed. Slope protection is almost completed on both the left and right canals.
Central	Mkushi	The master trainer from FU province, who has been dispatched since May, continued to work on construction supervising, selecting the route for the left irrigation canal, excavating the canal, and piling masonry. The weir body was completed. Slope protection on the left was completed. The right has not yet been started.



Permanent Weir Construction Site (Mukshi District, Central Province). Beneficiary farmers are constructing a permanent weir under the direction of a master trainer dispatched from FU Province

Monitoring of COBSI research sites in Central Province

E-COBSI carried out KOT in March, and some activities have been underway at each site since April. Since the construction of simple weirs and the excavation of water canals are underway, JICA team members with CPUs conducted the follow-up monitoring in June. The number of sites in each district is as below.

No. of Sites on COBSI research

District	No of site	No. of A&B group	Construction progress of simple wire
KapiriMposhi	71	48	Constructed in all sites, but some sites
Chibombo	12	7	Constructed in 5 sites
Chisamba	10	7	Constructed in 4 sites

We found most of the sites faced the same challenges that farmers excavated the canal in wrong direction. Therefore, we instructed the proper excavation method to the farmers, and they understood the correct way.



Permanent weir construction site (Kasempa District, Northwestern Province). Male and female farmers are participating and piling up kneaded stone masonry.



Follow-up monitoring of COBSI research sites (Kapili Muposhi District). We demonstrated the proper excavation route and farmers understood it.

Nutrition Endline Survey together with the Nutrition narrative survey has also been conducted.

The Nutrition Endline Survey has started in 6 provinces to measure the impact of irrigation on nutrition improvement in E-COBSI sites. The program is underway in three provinces and will continue until July. Also, the narrative nutrition survey has been conducted to complement the endline survey information. In the Nutrition narrative survey, we focus on Dietary changes by comparing the now and the before the project started. Its results show positive changes in dietary behaviours.

Target farmers in Nutrition survey

Kind of survey	Target farmer
Nutrition Endline Survey	FU province: 5 districts New province: All the target districts ⇒5 mothers & children who are targeted at baseline (If they moved to other places, we add new mothers with children under 5 years old to the survey)
Nutrition Narrative Survey	1 to 2 mothers who were targeted in the nutrition endline survey in some districts of 6 provinces



The picture shows Nutrition Endline Survey in Mpika District model site of Muchinga Province

Post Harvest training of fish farming in Lupososhi District, Northern Province

The district model site in Lupososhi District, Northern Province, has been conducting fish farming activities as a part of multi-purpose use of irrigation water taken from a permanent weir, aiming to improve their nutrition. The weight of fish reached about 130 g at the end of May, so fish harvest and post-harvest training was conducted on June 2. About 7 kg were harvested this time, and about 1 kg was used as training materials, while the remaining 6 kg were sold to the community at 50 K/kg. The Senior Food Nutrition Officer (SFNO) gave a lecture on nutritional improvement, and the Fisheries Officer of Lupososhi District gave a lecture on harvesting and post-harvesting. The two post-harvest methods introduced were (1) opening the fish,

dipping them in salt water, and then drying them under the sun for three days, and (2) After the fish is opened, the method of smoking the fish with smoke was introduced.



The picture shows fish harvest and post-harvest training in the district model site.

Discussion on Consumer Guide

The Ministry of Agriculture (MoA) is working with several ministries and donors to develop a Consumer Guideline for improving nutrition for the public, including farmers. The MoA, together with several ministries and donors, is preparing to include the "Tebakari-Eiyoughou" introduced by E-COBSI in the guideline. In April of this year, a workshop was held to prepare the Consumer Guideline, and when the C/P explained the "Tebakari-Eiyoughou", and various comments and questions were raised from the participants. Based on these opinions, a meeting was held to explain "Tebakari-Eiyoughou" on June 9 and to answer the questions and comments raised at the previous meeting. As the result of this meeting, the following ideas were raised as below.

- Include cooked food in the "Tebakari-Eiyoughou"
- Include standard Zambian recipes to "Tebakari-Eiyoughou"
- Refer to the method in other countries

We will further refine the opinions raised in this meeting and plan to hold another meeting in July to revise the "Tebakari-Eiyoughou" to be included in the Consumer Guideline.



The picture shows the discussion on Consumer Guide. MoA is preparing to include "Tebakari-Eiyoughou" to this Guide.