Digitization of data from the skipjack fishery in Puerto Angel, Oaxaca

Mexico Oaxaca artisanal skipjack and black skipjack tuna – handline

action 1.Task 1.1.2, 1.1.3, 1.1.4

SmartFish Rescue of Value, AC
Oaxacan Fund for the Conservation of Nature, AC
September 2023

1 . NADIR Fishing and Processing Log

With the objective of creating a system of administration and production of the cooperative, the NADIR system was installed, which would allow the registration of fishing and processing of the cooperative. The installation concluded once the product and packaging processing labels were obtained. After the installation, a training was received together with the members of the cooperative to know the process of registering data within the platform.

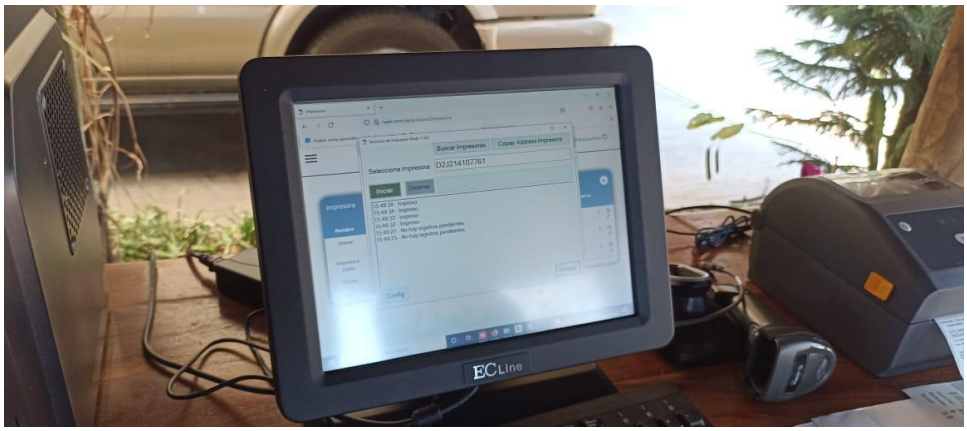
The NADIR technician was asked to create accounts: partners and administrator of the Basic Infrastructure Unit (UBI), this with the intention that the partners become familiar with the platform and start making fishing records. Each of their accounts was enabled on their cell phones and they were given training on the correct use of the device. In the case of records of fishing expenses, the ODK Collect application was installed with its respective user training.

The fishing record data is downloaded monthly from the NADIR platform and in the case of fishing expenses, the information is requested from Octavio from Smart Fish. Once the databases of the records have been obtained, the information is collected in an Excel sheet for analysis and registration.

In the case of the processing record, support was received from Smart Fish for the first tests: identification of the final presentation of the product, data entry to the platform and label printing. The processing record was carried out by the FOCN field technician, who transferred the knowledge to new project members and cooperative support people.

After each process, the production report is downloaded, information that is transferred to an Excel sheet to identify the performance of the UBI, as well as to help decision-making and production control.

DELL EMC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ZEBRA ZD420
Identifier: AD
Darkness: 17
Speed: 4.0

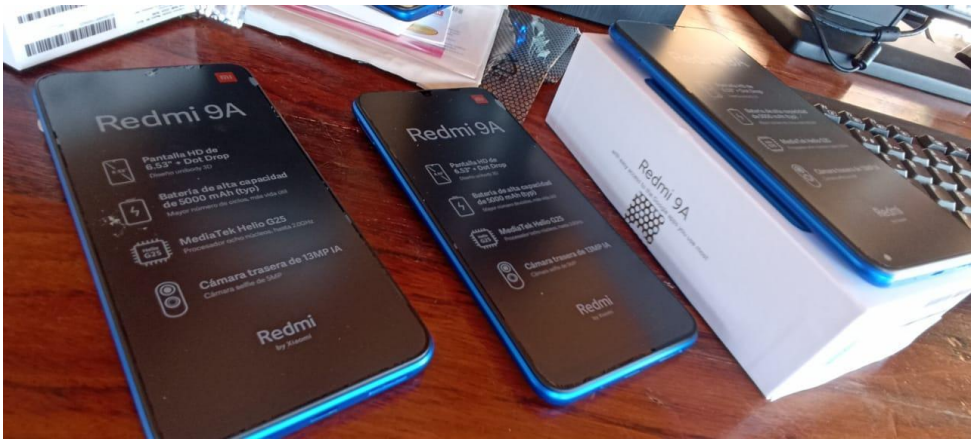
2. Administrative system

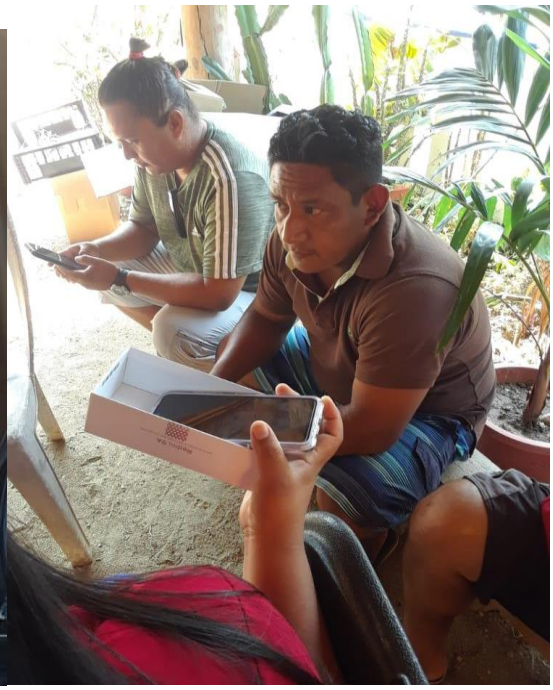
The administration of the cooperative is carried out by the administrative council, made up of the president of the cooperative, the treasurer, secretary and president of surveillance. Each of the administrative activities and procedures are carried out through the president of the cooperative due to the little knowledge on the part of the rest of the partners to carry out said activities, in addition to the fact that he is the only person who makes use of a computer .

3. Support paper to the digital data record

As part of the digitization of fishing data and economic expenses, the members of the Punta Sacrificio cooperative that participate in the project acquired cell phones where the NADIR platform accounts were enabled and later the installation of the ODK Collect system. On the day the cell phones were handed over, they received training from the NADIR technician on the use of the platform and data recording. Subsequently, the FOCN field technician provided

training to strengthen the use of telephone devices and applications, as well as to resolve doubts in the face of inconveniences.





challenges

- Know and master the use of the NADIR platform in fishing registration, reception, processing, and packaging.
- Get the fishermen in the habit of making daily fishing and expense records.
- Familiarize cooperative members with the use of the NADIR platform and ODK Collect application.
- Make the cooperative aware of the importance of the fishing registry and the use of the information.
- Problems in processing with the use of NADIR for making use of the online server, and presenting problems with the internet and electricity.
- Little participation by the partners with the fishing records and in the days of processing.
- Identify the final presentation of the product and the areas that will make up the process.
- Increase in production performance and reduction of waste.
- Lack of knowledge in the use of computer equipment by partners.