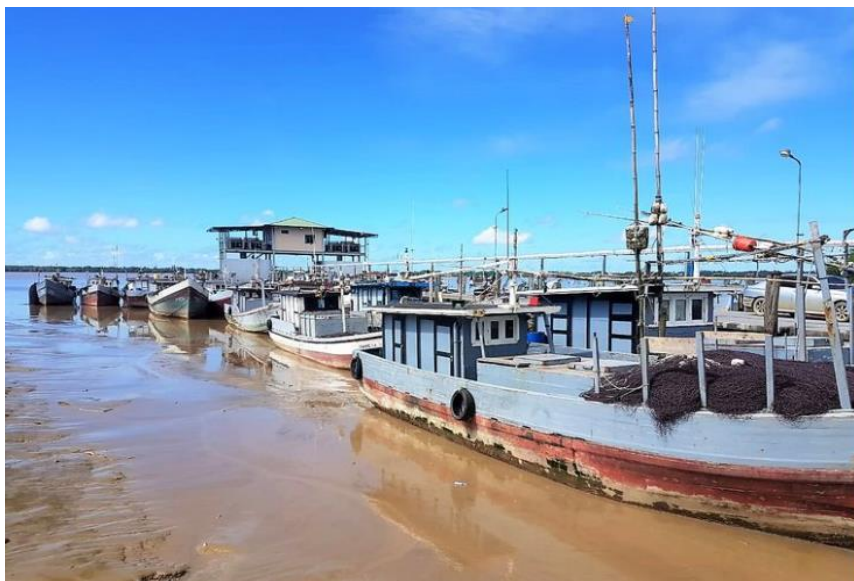# Report of training

Fisheries Information System for Suriname (Calipseo v.2)

*This document reports on a training for staff of the Fisheries Department, Ministry of Agriculture, Animal Husbandry and Fisheries on Suiname's **new Fisheries Information System.** The virtual training was delivered on 17 and 18 February 2021 by Yann Laurent, FAO, and is part of the 'Technical assistance for sustainable fisheries practices - IDB technical cooperation - regional sustainable fishery project (RG-T3162)', co-funded by the REBYC-II LAC project.*

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Contents

1. Introduction

To be able to continue managing the fishing sector sustainably, in a most effective and efficient way, it is essential to gather information. Information must be collected adequately, and we must be consistent when building the information database, because it is critical that we can extract the necessary data. With this data, it will be possible to produce reliable and trustworthy statistical figures which can then help and assist the policymakers and government officials to enforce measures and regulations towards the fishing industry and the entire sector in order to achieve and maintain sustainability. Fisheries data and statistics are also crucial for the fight against Illegal, Unreported and Unregulated fishing (IUU). Once we have all the data and information of the vessels and the licenses issued for each vessel, it will help the designated authorities to monitor and control these vessels in the Surinamese waters more effectively. Finally, data and statistics are important to manage the fish population in the sea, in order to be able to determine how the different species are evolving. We have endangered species which we need to closely manage, and therefore it is an obligation of the entire fleet to have all the landings registered. This is an important obligation for the industrial fisheries, to make certain that they can export their fish to the EU countries for example.

2. Background

By creating a centralized database were all the vessel information, logbook declarations and landing data is captured, it makes it easy to run reports from the statistics data to be able to manage the entire fishing sector and provide adequate solutions and proposals for diminishing IUU fishing. The Fisheries Information System developed by FAO, Calipseo v.2, has the many different components to be able to monitor and manage the different types of fisheries, vessel registration, license management and sampling data.

With assistance from Mr. Yann Laurent, FAO consultant, and his colleagues, the Calipseo system has been installed and customized for Suriname in order to manage the industrial and artisanal fisheries. The main components deployed on this system are:

- ✓ user management
- ✓ administration framework
- ✓ management of vessel registry
- ✓ logbook data
- ✓ reporting
- ✓ dashboard

Mr. Yann Laurent of the FAO started working on Calipseo and building the new system in February 2020 in collaboration with the department of Statistics & Research at the Fisheries Department of the Ministry of Agriculture, Animal Husbandry and Fisheries. This new integrated system will bring together the information on all the registered vessels provided by the license department at the Fisheries Department including the types of licenses issued for each vessel. Also, very useful is that the landing statistics gathered by the department S&O (Statistics & Research) will be brought into the same system. Merging of the data provided by both departments into the system, will make it easy to create reports and find information on the vessels itself when needed. It is very efficient to be able to check in the system which vessel holds which type of license and what are the types of species being landed by that specific vessel. Besides vessel management, with the statistics provided, concrete

forecasts can be highlighted on the fish populations and how the different species are evolving. This is very important for the sustainability of the fishing sector for generations to come.

3. Training provided to staff members of the Fisheries department

The Fisheries Department organized a two-day training for its staff members from the departments Statistics & Research (S&O) and KBD, the licensing department. The training was held on the 17th and 18th of February 2021 in S.A.I.S., located at the head-office of the Ministry of Agriculture, Husbandry and Fisheries.   The training was given by Mr. Yann Laurent of the FAO via ZOOM. Mr. Yann gave a tour of how the system is build, how each team member can access the several components. Step by step the work processes are highlighted and explained in detail. Furthermore, the team received a presentation about the integrated links and working methods of the system. Mr Yann also explain very carefully the processes for data entry into the new system going on forward.

In this new system, Calipseo v.2, it is possible to assign multiple roles to the users of different departments. Everyone will receive their own account to be able to log on to the system. When creating users in the system, the correct role must be assigned. Furthermore, each user will have the correct user-rights assigned to his or her role to be able to process and/or retrieve data from the system. Two roles that will be assigned the most are:

- ✓ Data collection (catch reporting)
- ✓ License management

The processes are:

- ✓ License management (application and issuance of permits)
- ✓ Vessel registration
- ✓ Logbook and reporting (recording of the catch and sampling data provided daily from the landing sites

The first thing first when you start working in the system is to register all the vessels. In this new system it is possible to enter all the data of the boat, specifications and the type of license issued e.g., BV license or SK, recreational purposes etc. Also, very important is to link the location of the landing site whereby each vessel will land their catch. Mr Yann emphasized that for each vessel that will be registered into the system, it is very important to record in the system the engine and the size of the vessel. This information determines the catch data per vessel, and this makes it much easier to estimate the landings. Once the boat has been registered in the system, the fishing license is associated with the boat.

The new system is a straightforward system, very user friendly and you will be able to extract all the needed information from the system. There is no limitation in the system on how the format should look like when processing the data. For example, the license number, this can be a text or a combination of text and numbers.

4. Structure of Calipseo v.2

There are three main flows of data into the system:

1.Artisanal landing data

2.Industrial landing data

3.Licence and vessel registration data

Artisanal- and industrial data statistics:
In short, this is all the data provided from the landing sites and entered into the system.
It is very easy to compile the data once the system is up and running:
  - Gathering catch data from the landing site.
  - Create excel file.
  - Managing of the data.

5. ANNEXES

A. Screenshots of the system

DASHBOARD
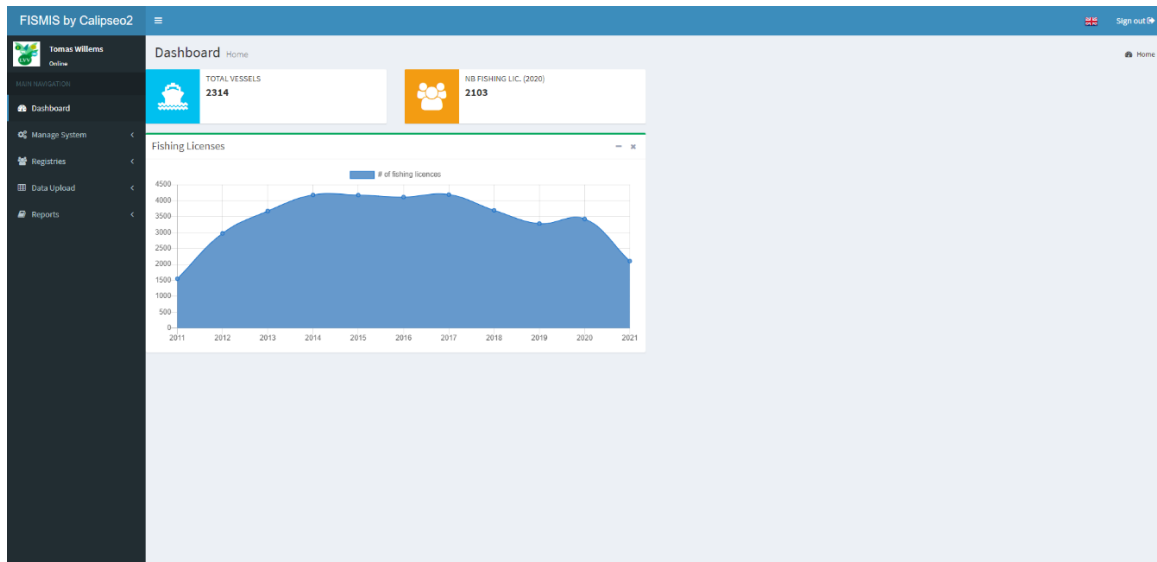
USER MANAGEMENT / CREATE A NEW USER

REFERENCE DATA / DATA MANAGEMENT LIST

VESSEL REGISTRY

CREATE NEW VESSEL

OVERVIEW OF FISHING LICENSES PER VESSEL

RENEW FISHING LICENSE

LIST OF INDIVIDUALS

CREATE NEW INDIVIDUAL

INDIVIDUAL DASHBOARD

LIST OF COMPANIES

UPLOADING LOGBOOK INFORMATION (INDIVIDUAL VESSELS)

11

EXTRACTING DATA

B. List of participants that attended the training on both 17th and 18th of February 2021.

Trainingsdag 18 februari 2021 — Werkprocessen nieuwe data collectie systeem

#	Naam	Afdeling	E-mail en telefoon #
1	Adhensing V.G.	FAO	8874 255
2	Willems T.	FAO / LVV	8673138
3	Cordua M	KBD	8625401
4	ASRAF R.		8516970
5	Fenisie N	KBD	8524659
6	Misredjan S	SBO	7497131
7	Wirjodwjo M	KBD	
8	Kharpatoe	SBO	
9	Poeran G	SBO	
10	Clancy Sobaja	Inspectie / VMS	7298987
11	Rattan W	VMS	8597945
12	Soekhzad R	SBO	8665026
13	Ridaie V.	Sen P	7147328
14			
15			
16			

Trainingsdag 17 februari 2021 — Werkprocessen nieuwe data collectie systeem

#	Naam	Afdeling	E-mail en telefoon #
1	ASRAF R		8516970
2	Gerda Adhansing	FAO / Retyc	8874 255
3	Clancy Sobaja	Inspectie	7298987
4	T Willems	SBO	8673130
5	Kharpatoe S	SBO	8696713
6	Misredjan S	SBO	7497131
7	Ridaie V	Sen P	7147328
8	Poeran G	SBO	8924954
9	Wirjodwjo M	KBD	8850343
10	Soekhzad R	SBO	8665086
11	Cordua M	KBD	8625401
12	Rattan K	VMS	8597945
13			
14			
15			

C. Pictures taken during the training.