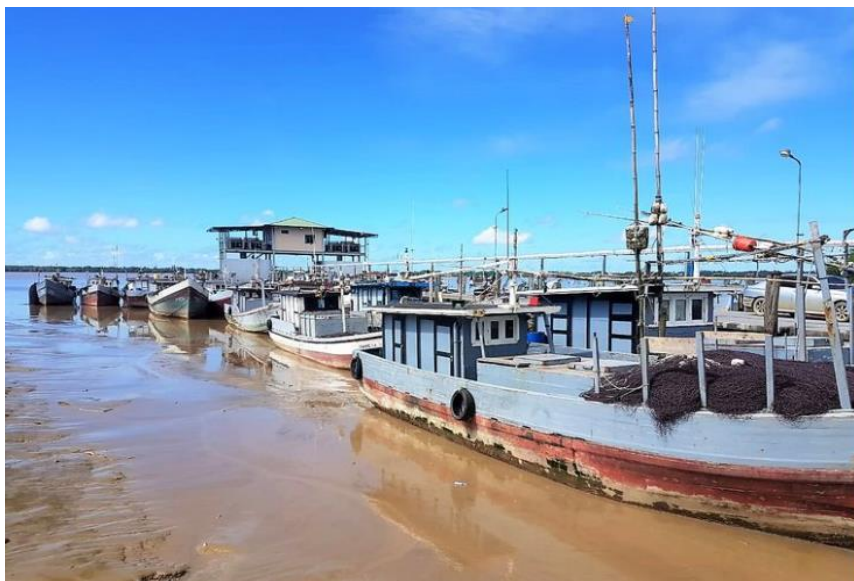


Report of training

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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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 where 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.

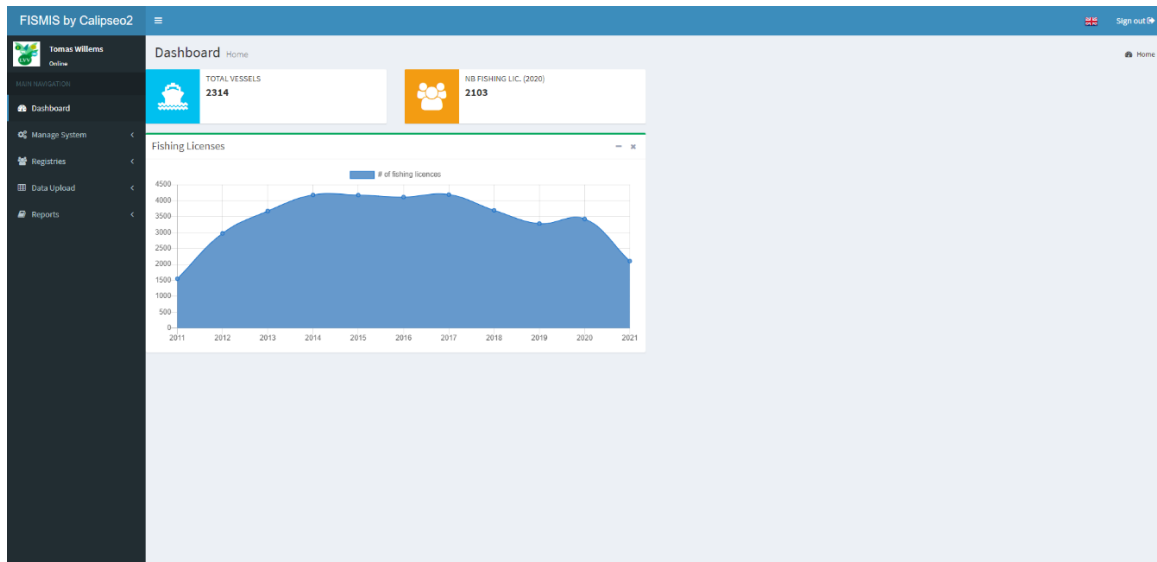
It is very easy to compile the data once the system is up and running:

- 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

The 'Add user' form includes the following fields and options:

- Name***: Text input field.
- E-mail***: Text input field.
- Phone number***: Text input field.
- Role***: Dropdown menu.
- Enable***: Check box.
- Password***: Password input field.
- Buttons:** Cancel (orange) and Submit (green).

REFERENCE DATA / DATA MANAGEMENT LIST

FISMS by Calipseo2 Sign out

Admin home Admin home Home

Reference data management List

Show 10 entries Search:

Table name	Table description		
c_ref_vessel_types	List of country vessel types		
c_ref_species	Species list		
c_ref_gears	List of fishing Gear types		
c_ref_fishery_products	List of fishery products with conversion factors		
c_ref_currencies	List of application currencies		
c_ref_countries	List of application countries / nationality		
c_ref_admin_level_1	List of administrative level 1 items (districts)		
c_fish_landing_sites	List of landing sites (Landing site, port, beach etc.)		
c_fish_fishing_zones	List of fishing zones		
c_fish_fishing_types	List of fishing types for duty free permits BAH		

Showing 1 to 10 of 18 entries Previous 1 2 Next

VESSEL REGISTRY

FISMS by Calipseo2 Sign out

Vessels Vessels listing Home

List of vessels [Add vessel](#)

Vessel Owner:

Vessel name:

Registration number:

Show 10 entries Search:

#	Vessel name	Registration number	Hull type	Operation status	Creation date		
2310	Darwin 1	4413	-	IN SERVICE / COMMISSION	2021-02-02 16:53:23.0		
2311	Darwin 2	4414	-	IN SERVICE / COMMISSION	2021-02-02 16:53:23.0		
2312	Raghnie	4389	-	IN SERVICE / COMMISSION	2021-02-02 16:53:23.0		
2313	Raghnie 2	4410	-	IN SERVICE / COMMISSION	2021-02-02 16:53:23.0		
2314	Zeeget 1	4793	-	IN SERVICE / COMMISSION	2021-02-02 16:53:23.0		
2315	Zeeget 2	4799	-	IN SERVICE / COMMISSION	2021-02-02 16:53:23.0		
2316	Zeeget 3	4798	-	IN SERVICE / COMMISSION	2021-02-02 16:53:23.0		
2304	Hailong 2	SC553	-	IN SERVICE / COMMISSION	2021-01-26 22:58:13.0		
2305	Hailong 3	SC569	-	IN SERVICE / COMMISSION	2021-01-26 22:58:13.0		
2306	Hailong 4	SC570	-	IN SERVICE / COMMISSION	2021-01-26 22:58:13.0		

Showing 1 to 10 of 100 entries Previous 1 2 3 4 5 ... 10 Next

CREATE NEW VESSEL

FISMIS by Calipseo2 Sign out

Thomas Willems Online

Home

Vessels Vessels listing

Create new vessel -

Description Permits and licences

Vessel description

Vessel picture
 Drop files here to upload

Name* Name

IRCS IRCS

LOA LDA Meters

DRA DRA Meters

GT GT

Power Power -- Select unit --

Flag* Suriname

Vessel type* -- Select a vessel type --

Statistical type -- Select statistical type --

Hull type -- Select a hull type --

Energy type -- Select energy type --

Operation status* IN SERVICE / COMMISSION

Vessel registration

Registration number* Registration number

Home port* Home port

Building year Building year

Home port district* -- Select home port district --

Vessel Owner

Vessel Owner* Owner is a company
 -- Select owner as an individual --

Vessel Captain* -- Select Captain --

OVERVIEW OF FISHING LICENSES PER VESSEL

FISMIS by Calipseo2 Sign out

Thomas Willems Online

Home

Fishing Licenses Fishing Licenses

fishing License - Hallong 4

Description Permits and licences

[Renew fishing License](#) Fishing License

Permit number	Valid from	Valid until	Issued	Actions
V012/20	2020-05-06	2020-12-31	2020-05-06	
V021/19	2019-08-28	2019-12-31	2019-08-28	
V009/18	2018-01-01	2018-12-31	2018-01-01	
V016/17	2017-01-01	2017-12-31	2017-01-01	
0045/16	2016-01-01	2016-12-31	2016-01-01	
	2015-01-01	2015-12-31	2015-01-01	
0073/14	2014-01-01	2014-12-31	2014-01-01	
0076/13	2013-05-16	2013-12-31	2013-05-16	
aanvrg	2012-01-01	2012-12-31	2012-01-01	

RENEW FISHING LICENSE

FISMS by Calipseo2 Sign out

Thomas Willems
Online

Fishing Licenses Fishing Licenses Home

Renew licence - halong 4

Fishing License Number* Fishing license Type*

is Applicant the Owner

From* to*

Persons Carried On Board*

Comment on license

GEARS

Selected	Name	Primary	Additional Information
+ -			

*mandatory field

LIST OF INDIVIDUALS

FISMS by Calipseo2 Sign out

Thomas Willems
Online

Individuals List of Individuals Home

Individual List

Individual fullname City/Settlement

Show entries Search:

Name	Phone number	Nationality	City/Settlement	Created	
test test		Switzerland	test	2021-02-10 22:52:39.0	<input type="button" value="edit"/> <input type="button" value="delete"/>
Movtoo V Kistama	8946385	Guyana		2021-01-22 01:54:07.0	<input type="button" value="edit"/> <input type="button" value="delete"/>
Swarstie Kistama	08908018	Guyana		2021-01-22 01:54:07.0	<input type="button" value="edit"/> <input type="button" value="delete"/>
Vejendra Kistama	08685231	Suriname		2021-01-22 01:54:07.0	<input type="button" value="edit"/> <input type="button" value="delete"/>
Satesh Kodai	8547600	Guyana		2021-01-22 01:54:07.0	<input type="button" value="edit"/> <input type="button" value="delete"/>
Eddy Salimin Koenawi		Suriname		2021-01-22 01:54:07.0	<input type="button" value="edit"/> <input type="button" value="delete"/>
Henk Koenawi	08888032	Suriname		2021-01-22 01:54:07.0	<input type="button" value="edit"/> <input type="button" value="delete"/>
Gregory G Korsten	08785904	Suriname		2021-01-22 01:54:07.0	<input type="button" value="edit"/> <input type="button" value="delete"/>
Gabriella Kromosentono	08746011	Suriname		2021-01-22 01:54:07.0	<input type="button" value="edit"/> <input type="button" value="delete"/>
Jan Gerardus Kuyper	08809979	Suriname		2021-01-22 01:54:07.0	<input type="button" value="edit"/> <input type="button" value="delete"/>

Showing 1 to 10 of 100 entries Previous ... Next

CREATE NEW INDIVIDUAL

FISMS by Calipseo2

Tommas Willems Online

Home

Individuals List of Individuals

Create new individual: (0)

Dashboard Description

Individual picture

Drop files here to upload

Take a picture with webcam

Registration Number

Address

City/Settlement

District

Country*

Nationality*

Phone number

Mobile number*

Fax number

E-mail

First name*

Middle name

Last name*

Individual suffix

Salutation

Gender

Photo of birth

INDIVIDUAL DASHBOARD

FISMS by Calipseo2

Tommas Willems Online

Home

Individuals Dashboard

Dashboard Description

Personal details

- Name: Satesh Kodal
- Address: Fluorstr 6
- District: Paramaribo

Vessels

Last VR	Vessel name	Operation status	FDC	Valid until
0683	Jenny	IN SERVICE / COMMISSION		2020-12-31
0768	Janet	IN SERVICE / COMMISSION		2020-12-31
0993	Nanda	IN SERVICE / COMMISSION		2020-12-31
1076	Kathy	IN SERVICE / COMMISSION		2020-12-31
1525	Kareena	IN SERVICE / COMMISSION		2020-12-31

Permits

Permit	Permit number	Issue date	From	To
Fishing License		2020-07-13	2020-07-13	2020-12-31
Fishing License		2020-07-13	2020-07-13	2020-12-31
Fishing License		2020-07-13	2020-07-13	2020-12-31
Fishing License		2020-07-13	2020-07-13	2020-12-31
Fishing License		2020-07-13	2020-07-13	2020-12-31

LIST OF COMPANIES

FISMIS by Calipseo2 Sign out

Companies Companies Listing Home

List of Companies + Add Company

Name: Registration Number:

City/Settlement: Cancel Filter

Show 10 entries Search:

Name	Registration Number	Phone number	E-mail	City/Settlement	Actions
ST Nalanterschap Sheonarine Balram		08807304			
LCML Fisheries NV		08886711			
ROS National Fisheries		08720143			
Stichting Zeegnet		08571679 / 0232194			
Stichting South American Sea Food and Ice/Amirally-Singh Rayswatia		08519774			
Omicron Seafoods NV					
NV DSA		08656579			
Stichting Agro Future		08966633			
Stichting ter bevordering en behoud distr Cor		08544349			
Stichting Oudorp vermogensbeheer		0854434649			

Showing 1 to 10 of 276 entries Previous 1 2 3 4 5 ... 28 Next

UPLOADING LOGBOOK INFORMATION (INDIVIDUAL VESSELS)

FISMIS by Calipseo2 Sign out

Log book Add a new fishing trip Home

Create a new fishing trip

General description **Fishing trip** Fishing activity Fishing activity summary

Reporting officer* + **Vessel***

Identifier* **Captain*** +

Number of dinghies* **Crew size***

Cancel Next

EXTRACTING DATA

The screenshot shows the 'Reports' page in the FISMS by Calipseo2 application. The page is titled 'Reports' with a sub-header 'Reports listing'. The user is identified as 'Tomasz Willemis Online'. The main navigation menu on the left includes 'Dashboard', 'Manage System', 'Registries', 'Data Upload', 'Reports', and 'Datasets'. The 'Reports' section is active, showing a 'Dataset' configuration form.

Dataset

This page allow you to select a data collection and a report to be displayed and downloaded. Depending on the data report, you will be able to apply filters

Select collection : All vessels

Apply filters (optional)

- Country:** Select reference data
- District:** Select reference data
- Vessel status:** Select reference data
- Statistical type:** Select reference data
- Owner:** Select registry data

Submit

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		
Nr	Naam	Afdeling	E-mail en telefoon #		
1	Adhaping V.G.	FAO	0874 255		
2	Winkler S.	FAO/LUV	8673138		
3	Cordua M	KBD	0625401		
4	ASRAF R		8516970		
5	Erwinse N	KBD	8524659		
6	Miranda S	SEO	7497131		
7	Wijndijk M	KBD			
8	Wardenaar S	SEO			
9	Rattan G	SEO			
10	Clara Sabau	Inspectie VMS	7298987		
11	Rattan B	VMS	8597945		
12	Saekhrad R	SEO	8665026		
13	Ridwan V	SEO	7149288		
14					
15					

Trainingsdag 17 februari 2021			Werkprocessen nieuwe data collectie systeem		
Nr	Naam	Afdeling	E-mail en telefoon #		
1	ASRAF R		8516970		
2	Geeta Nabung	FAO / Rebr	8074 255		
3	Clara Sabau	Inspectie	7298987		
4	J. Willems	SEO	8673138		361
5	Wardenaar S	SEO	8696713		
6	Miranda S	SEO	7497131		
7	Ridwan V	SEO	7147328		
8	Paton G	SEO	8924954		
9	Wijndijk M	KBD	8597945		
10	Saekhrad R	SEO	8665026		
11	Cordua M	KBD	0625401		
12	Rattan K	VMS	8597945		
13					
14					
15					

C. Pictures taken during the training.

