

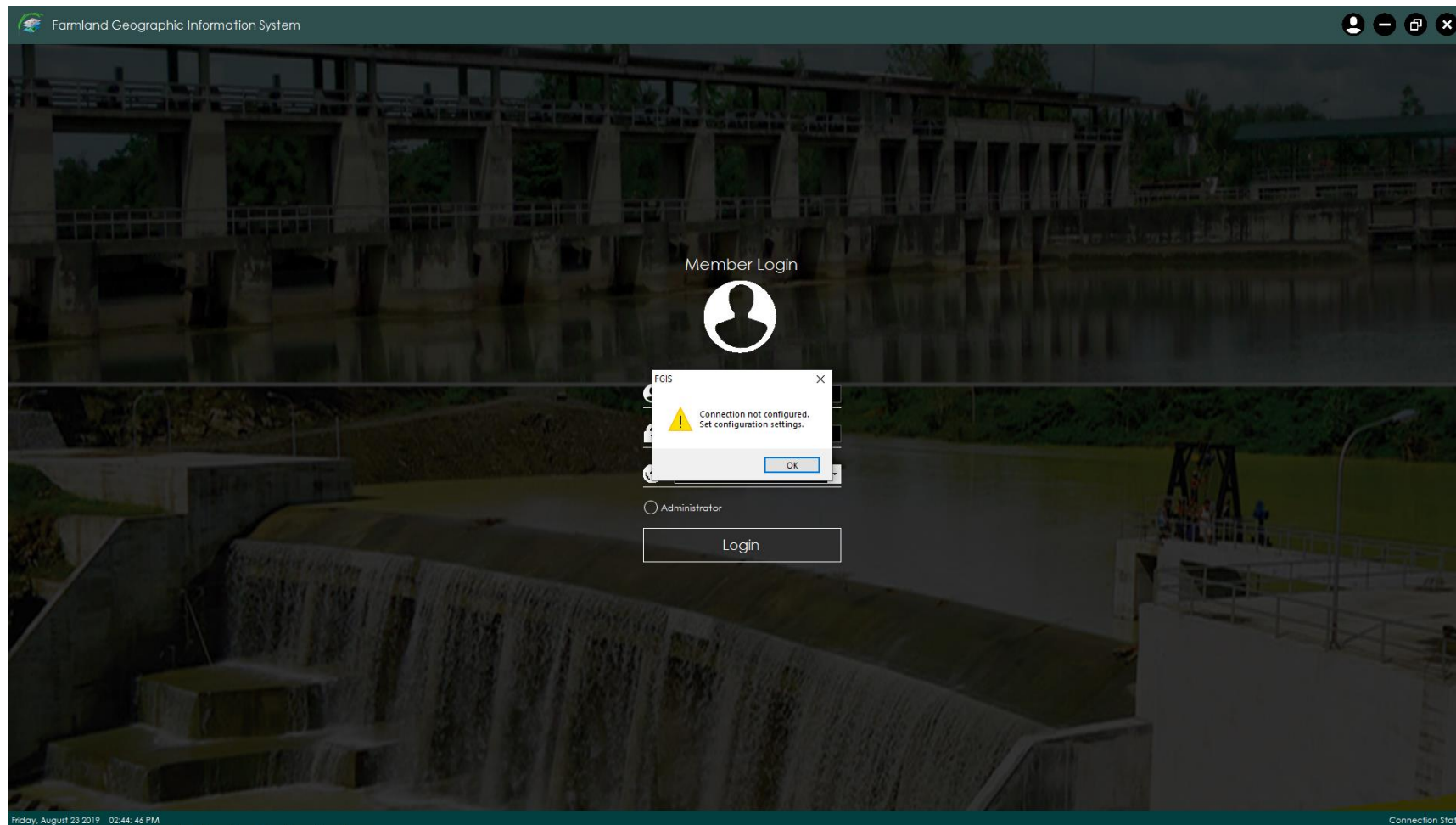
Enhancement of Farmland GIS – Lot2 (System Development Report)



JV RASA Surveying and Realty & PASCO Philippines Corporation

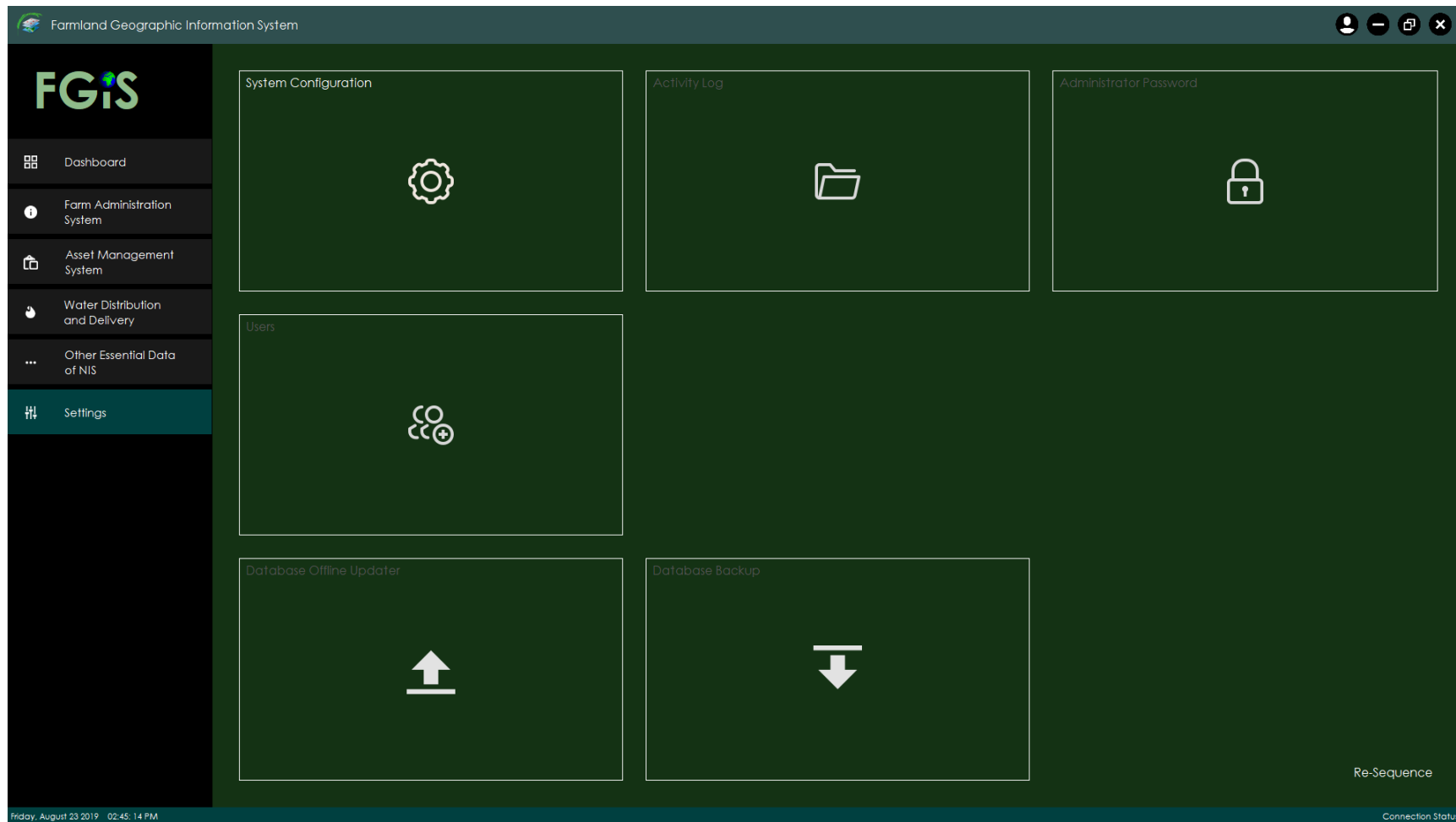
Connections Settings

1. Run FGIS.exe application in administrator (for first time installed).
2. The system will show a message “Connection not configured. Set Configuration Settings.”.



Connection Settings

3. In system setting dashboard, click system configuration.



Connections Settings

4. Connection configuration interface will show.
5. Enter the following server information: host/ip, port, username, password

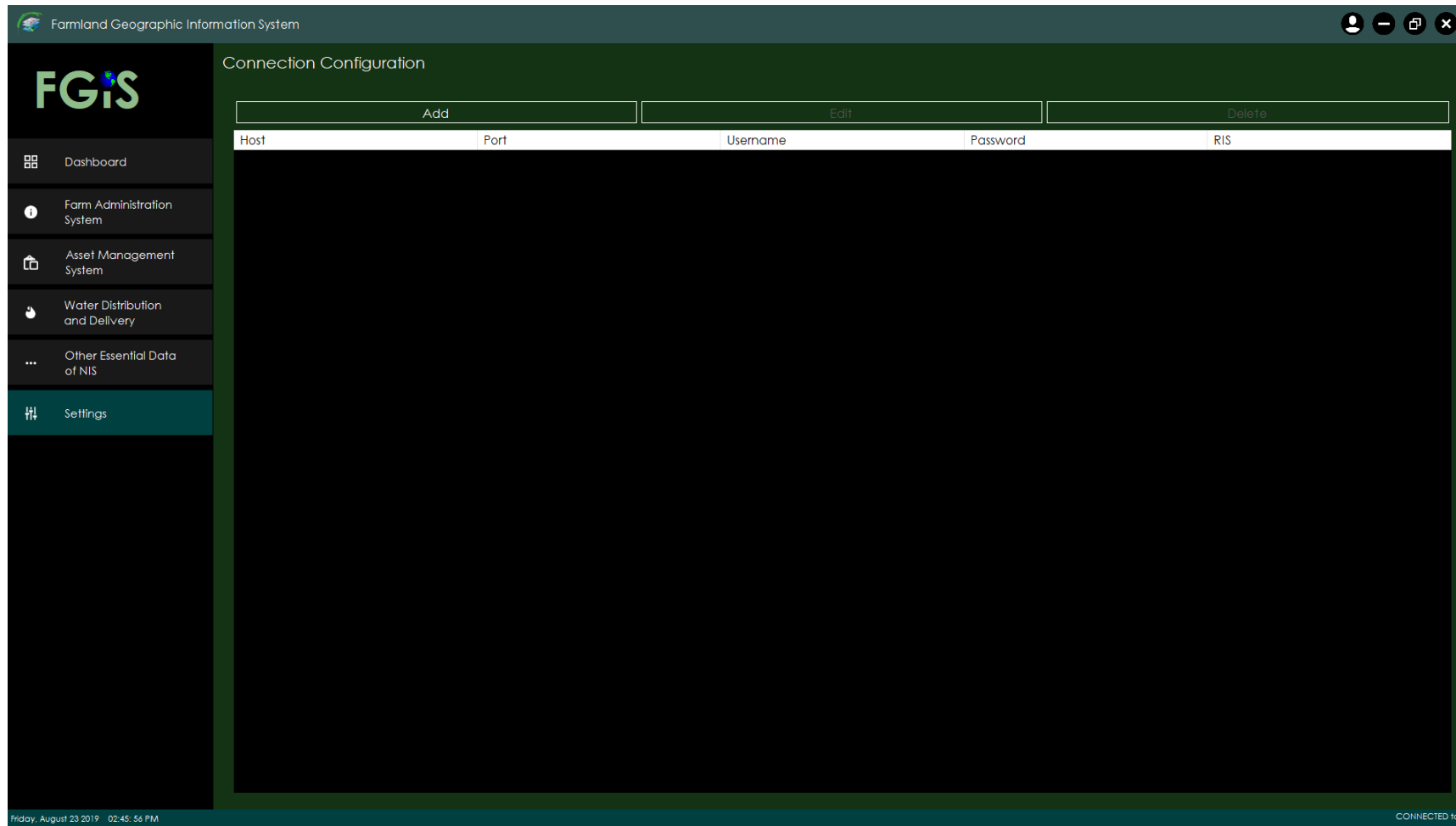
The screenshot shows the Farmland Geographic Information System (FGIS) interface. The title bar at the top reads "Farmland Geographic Information System". The left sidebar contains a menu with the following items: "Dashboard", "Farm Administration System", "Asset Management System", "Water Distribution and Delivery", "Other Essential Data of NIS", and "Settings" (which is highlighted). The main content area is titled "Connection Configuration" and contains the following fields:

- Host:
- Port:
- Username:
- Password:

At the bottom of the form are two buttons: "Ok" and "Cancel". The status bar at the bottom left shows the date and time: "Friday, August 23 2019 02:45:27 PM". The status bar at the bottom right shows the connection status: "Connection Status:".

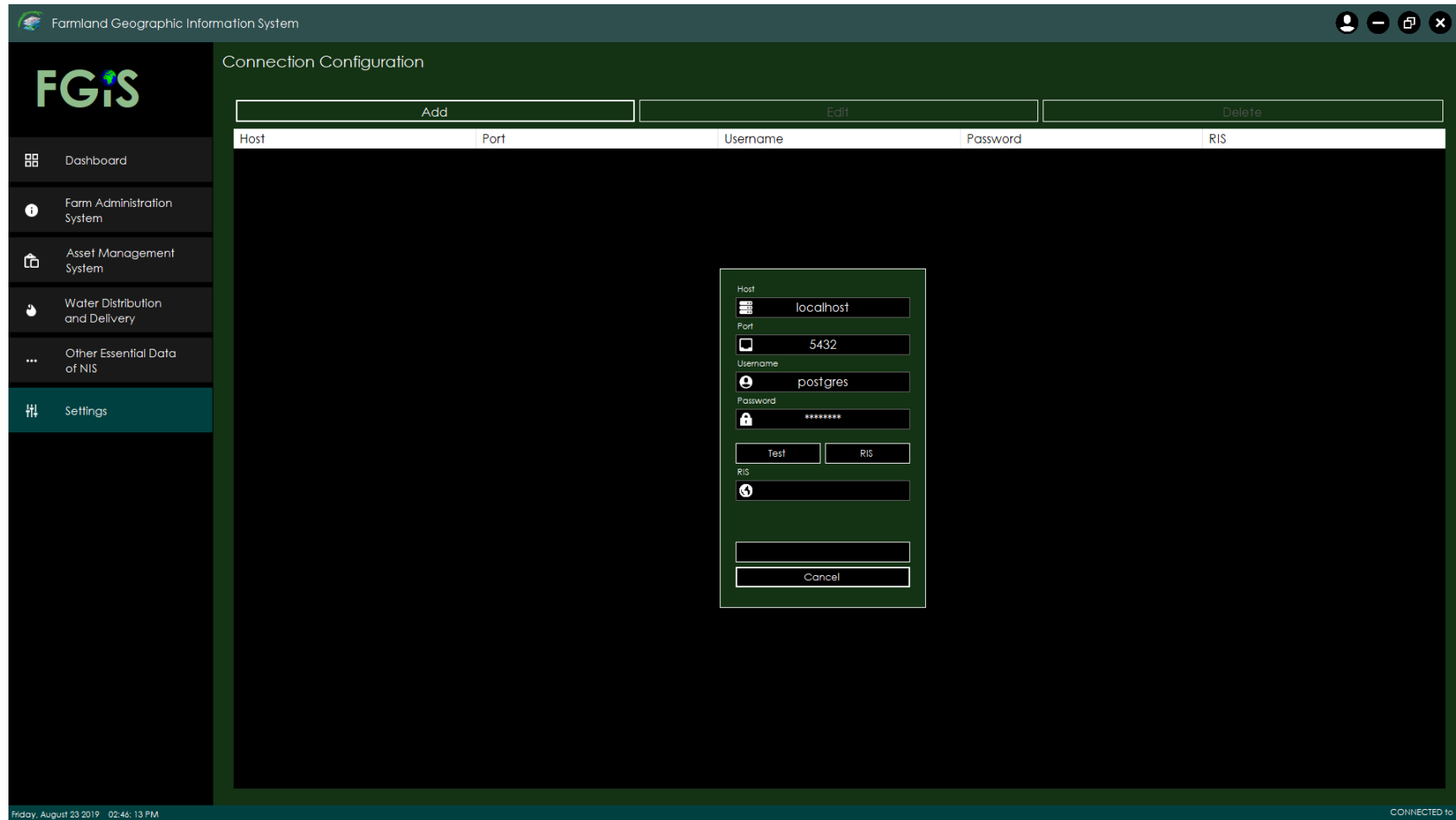
Connections Settings

6. Once the connection is entered, connection list, add, edit, delete interface will show.
7. Click add button.



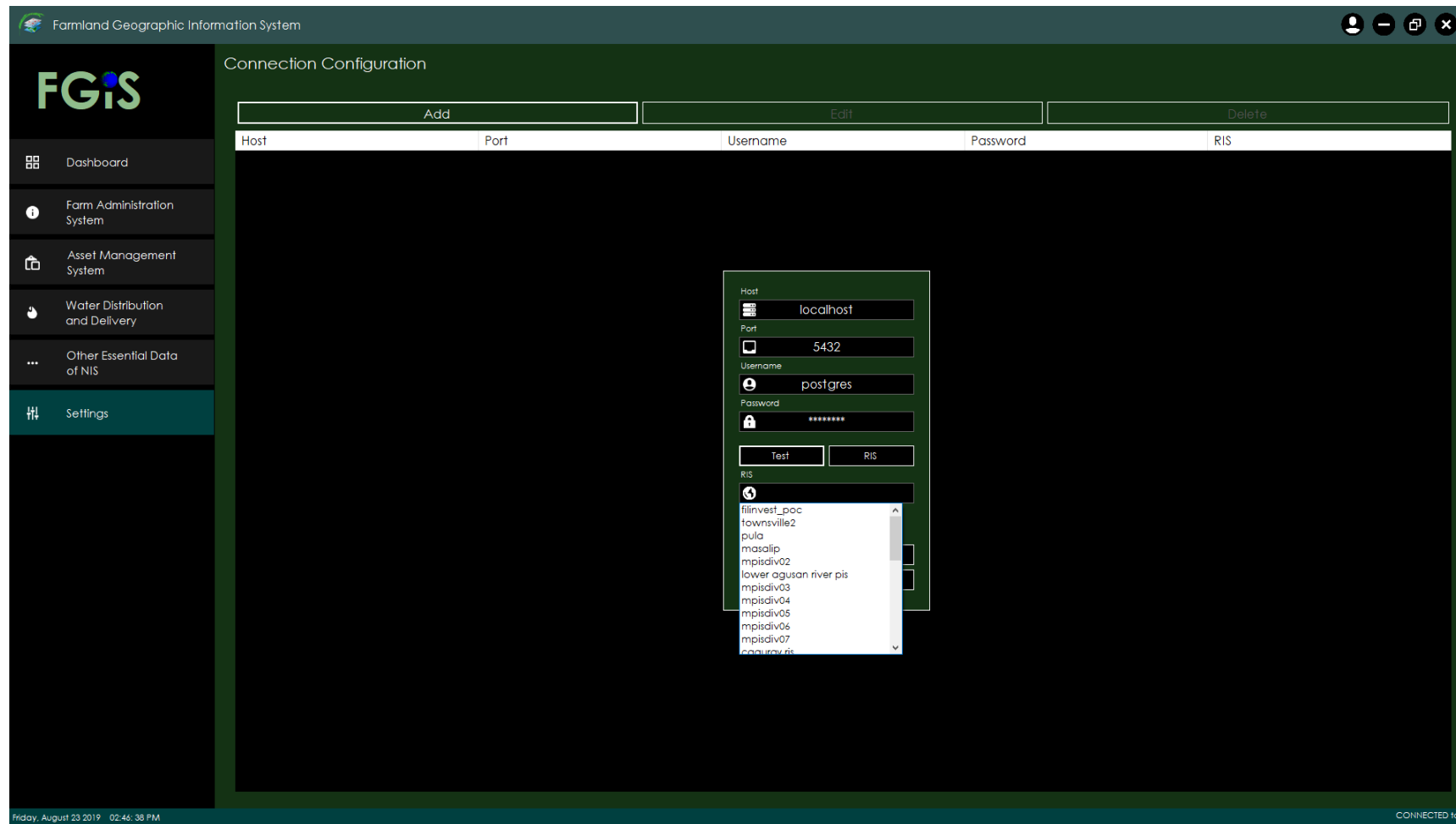
Connections Settings

8. Add connection will show.
9. Click test to test the connection to the server.



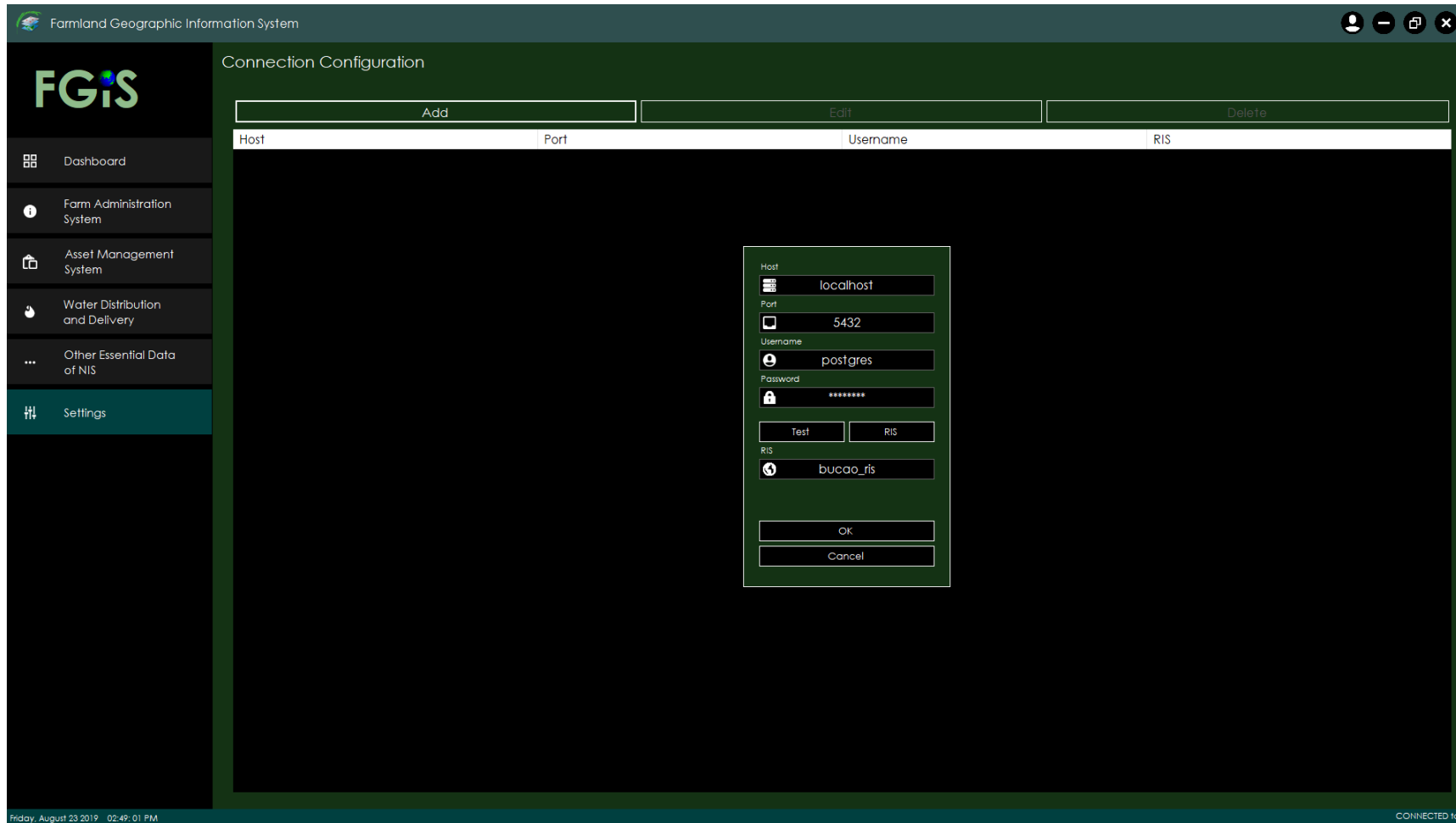
Connections Settings

10. Select the ris to connect.



Connections Settings

11. Once the ris is selected.
12. Click OK button to save or cancel to cancel the transaction.



Connections Settings

13. The connection is set, restart the application.

Farmland Geographic Information System

FGIS

Connection Configuration

Add Edit Delete

Host	Port	Username	RIS
localhost	5432	postgres	bucao_ris

FGIS

Connection configuration saved

OK

Friday, August 23 2019 02:49:18 PM

CONNECTED to

RIS Configuration

1. Once Log in as administrator (system admin, or ris admin).
2. Go to setting dashboard.

Farmland Geographic Information System

FGIS

Dashboard

Farm Administration System

Asset Management System

Water Distribution and Delivery

Other Essential Data of NIS

Settings

Connection Configuration

Add Edit Delete

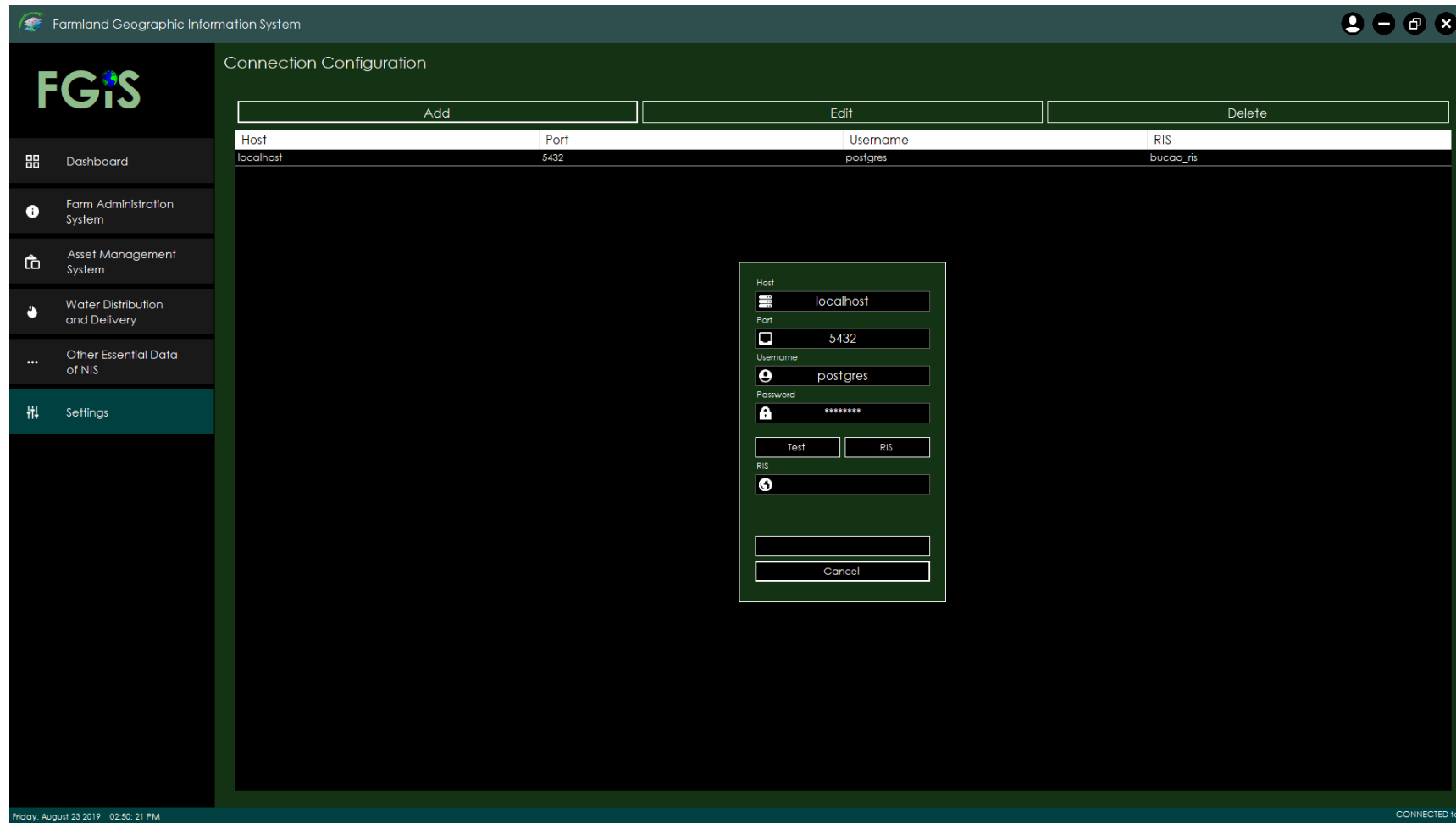
Host	Port	Username	RIS
localhost	5432	postgres	bucao_ris

Friday, August 23 2019 02:50:08 PM

CONNECTED to

RIS Configuration

3. Click Add button.
4. Add connection interface will show..



Friday, August 23 2019 02:50:21 PM

CONNECTED to

RIS Configuration

5. Click RIS button to add new ris (existing ris database in the specified server).
6. RIS interface will show.

The screenshot displays the FGIS web application interface. On the left is a sidebar with navigation links: Dashboard, Farm Administration System, Asset Management System, Water Distribution and Delivery, Other Essential Data of NIS, and Settings. The main content area is titled 'Connection Configuration' and contains a table with columns: Host, Port, Username, and RIS. The table has one entry: localhost, 5432, postgres, bucao_ris. Above the table are buttons for Add, Edit, and Delete. A modal dialog box titled 'RIS Code (database)' is open in the center. It contains a table with columns: RIS CODE, RIS DESC, and RIS REGION. The table lists several entries, including masalip, amburayan, filinvest_poc, saug, libuganon, padada, lasang, mpisdiv04, mpisdiv05, and mpisdiv06. The dialog box also has input fields for RIS Code (database), RIS Description, and RIS Region, and buttons for Add, Delete, Close, and Cancel.

Host	Port	Username	RIS
localhost	5432	postgres	bucao_ris

RIS CODE	RIS DESC	RIS REGION
masalip	masalip	1
amburayan	amburayan ris	1
filinvest_poc	filinvest_poc	1
saug	saug	11
libuganon	libuganon	11
padada	padada ris	11
lasang	lasang ris	11
mpisdiv04	mpisdiv04	2
mpisdiv05	mpisdiv05	2
mpisdiv06	mpisdiv06	2

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CONNECTED to

RIS Configuration

7. Select the ris or the database name.
8. Description will automatically supply.

Farmland Geographic Information System

Connection Configuration

Host	Port	Username	RIS
localhost	5432	postgres	bucac_ris

Host: localhost

RIS Code (database):

- bucac_ris
- hapid_ris
- hurelinks
- postgres
- sanfrancisco_ris
- saniamon_ris
- settings
- test
- uprisdiv5

Buttons: Delete, Close

RIS CODE	RIS DESC	RIS REGION
masalip	masalip	1
amburayan	amburayan ris	1
filinvest_poc	filinvest_poc	1
saug	saug	11
libuganon	libuganon	11
padada	padada ris	11
lasang	lasang ris	11
mpisdiv04	mpisdiv04	2
mpisdiv05	mpisdiv05	2
mpisdiv06	mpisdiv06	2

Buttons: Cancel

Friday, August 23 2019 02:51:20 PM

CONNECTED to

RIS Configuration

9. Select ris region for the region of database.
10. Then click add button.

The screenshot shows the FGIS Connection Configuration window. The main table lists existing connections:

Host	Port	Username	RIS
localhost	5432	postgres	bucao_ris

A modal dialog for adding a new connection is open. It includes the following fields and a table:

- Host:** localhost
- RIS Code (database):** bucao_ris
- RIS Description:** bucao_ris
- RIS Region:** 1

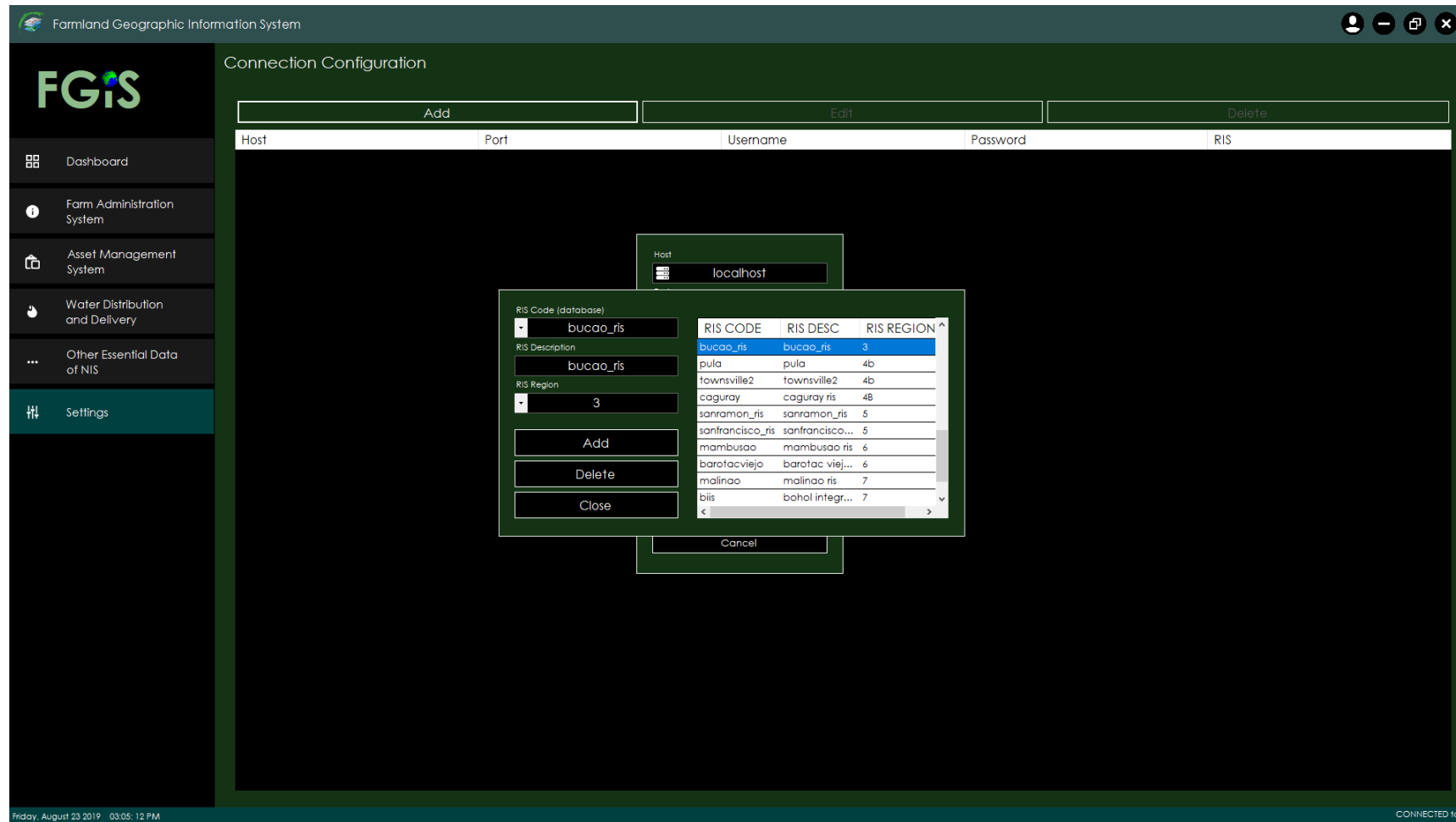
The modal also displays a table of RIS configurations:

RIS CODE	RIS DESC	RIS REGION
masalip	masalip	1
amburayan	amburayan ris	1
filinvest_poc	filinvest_poc	1
saug	saug	11
libuganon	libuganon	11
padada	padada ris	11
lasang	lasang ris	11
mpisdiv03	mpisdiv03	2
mpisdiv05	mpisdiv05	2
mpisdiv06	mpisdiv06	2

The status bar at the bottom indicates the date and time: Friday, August 23 2019 02:52:51 PM, and the connection status: CONNECTED to.

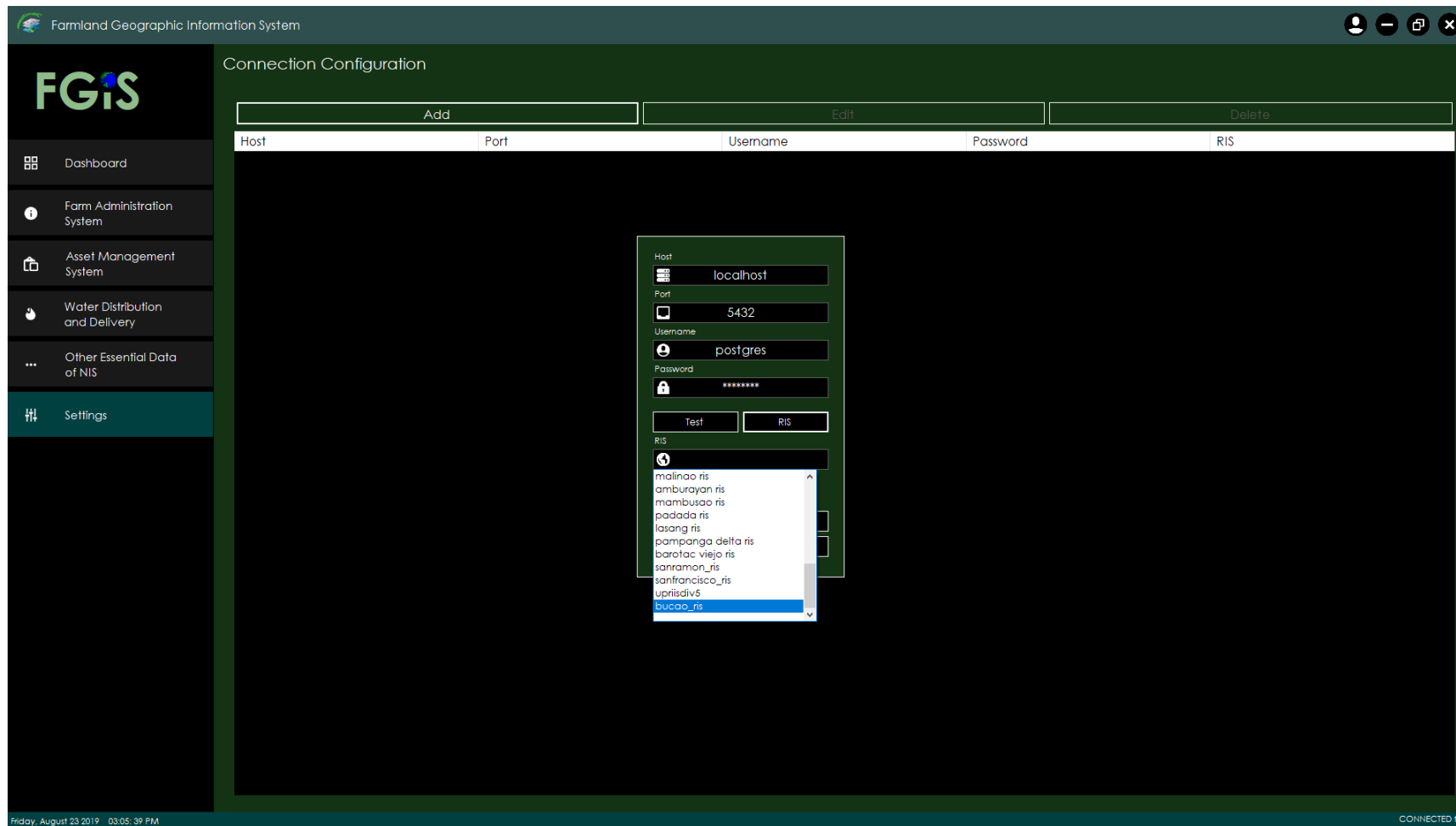
RIS Configuration

11. New ris will be added to ris records.
12. Click close button.



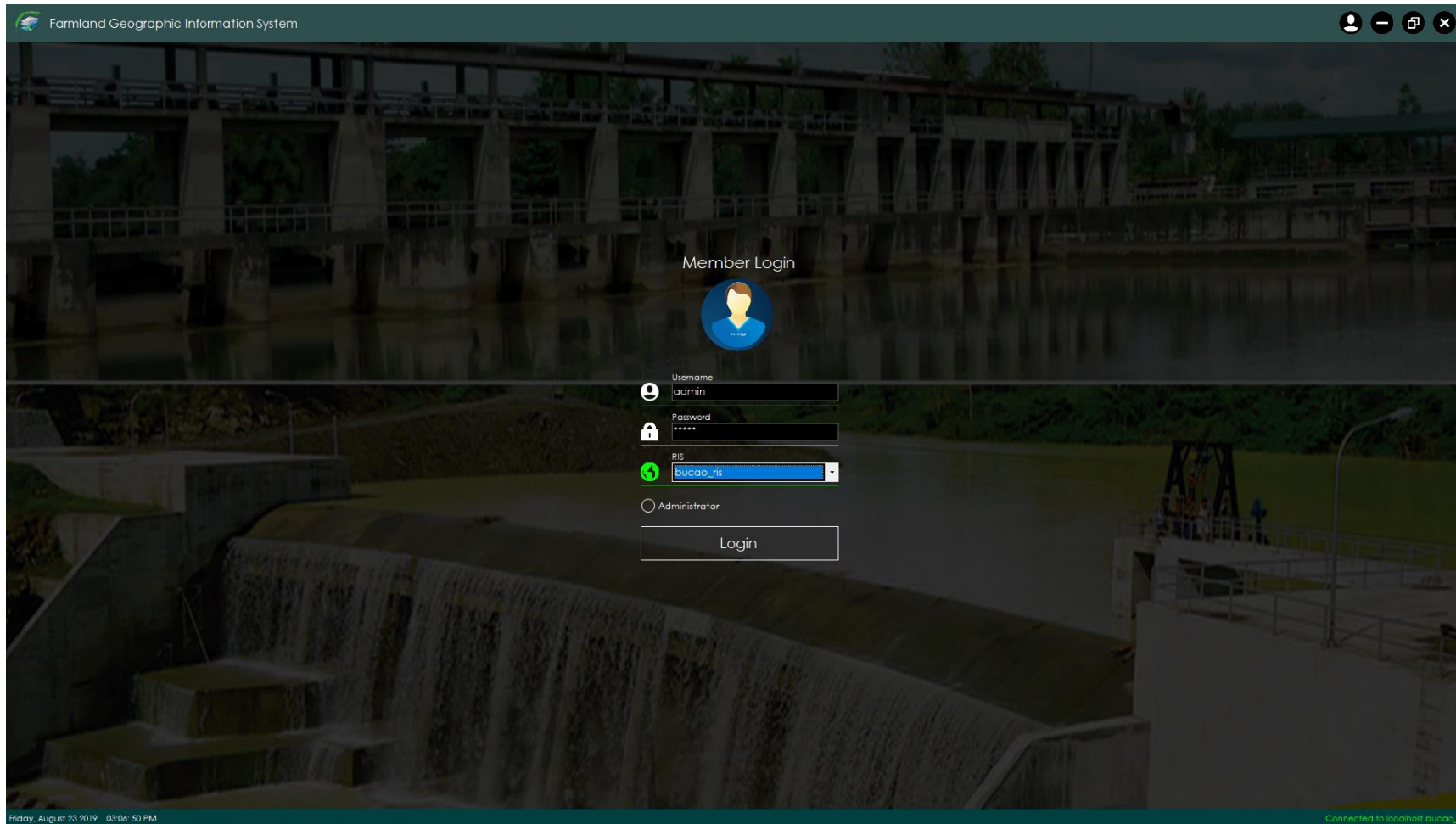
RIS Configuration

13. Now the ris is available for the connection configuration.



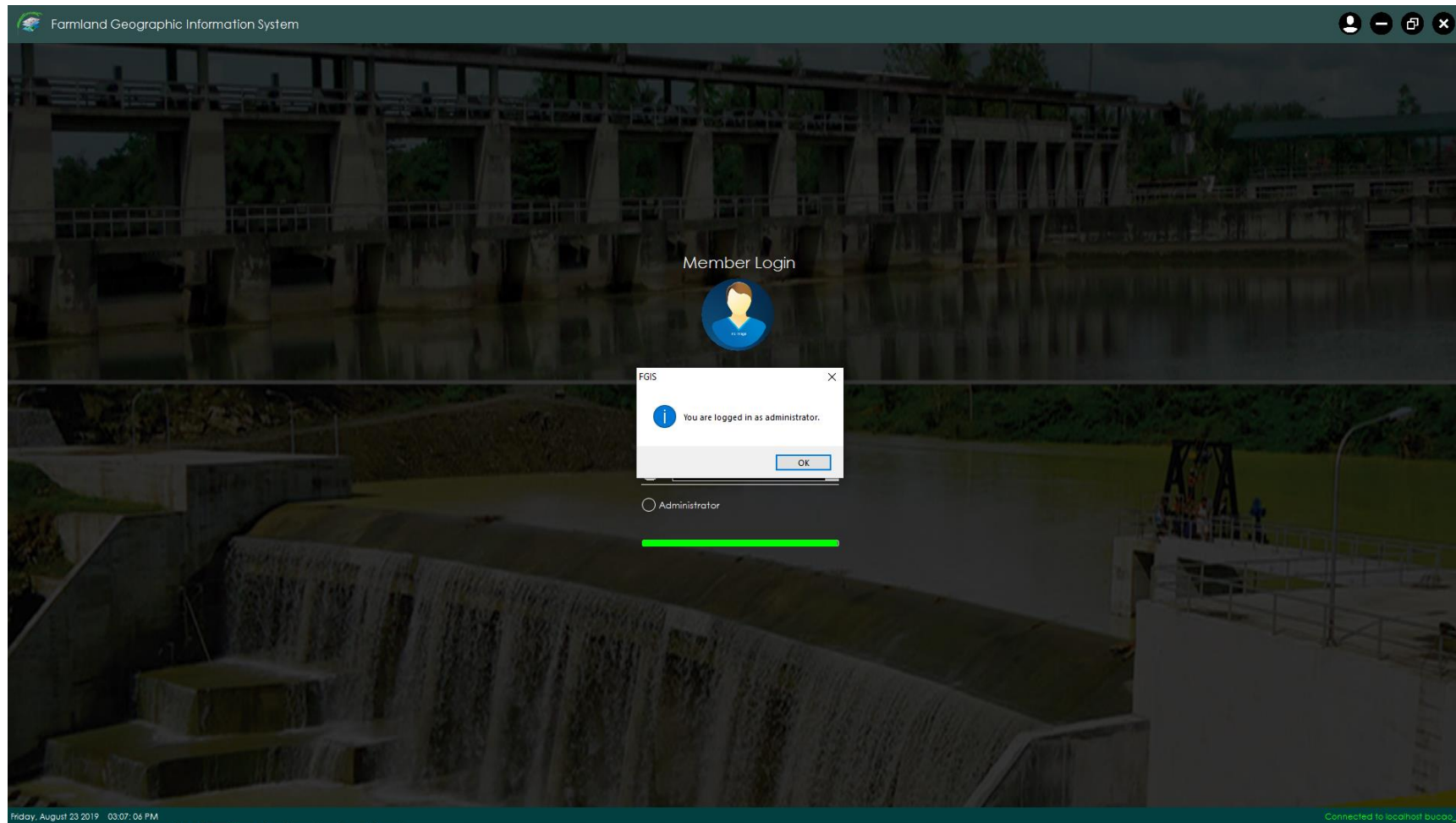
Users

1. For creation of users in fgis, must log in as ris administrator.
2. Enter the admin account and select the ris, click login button.



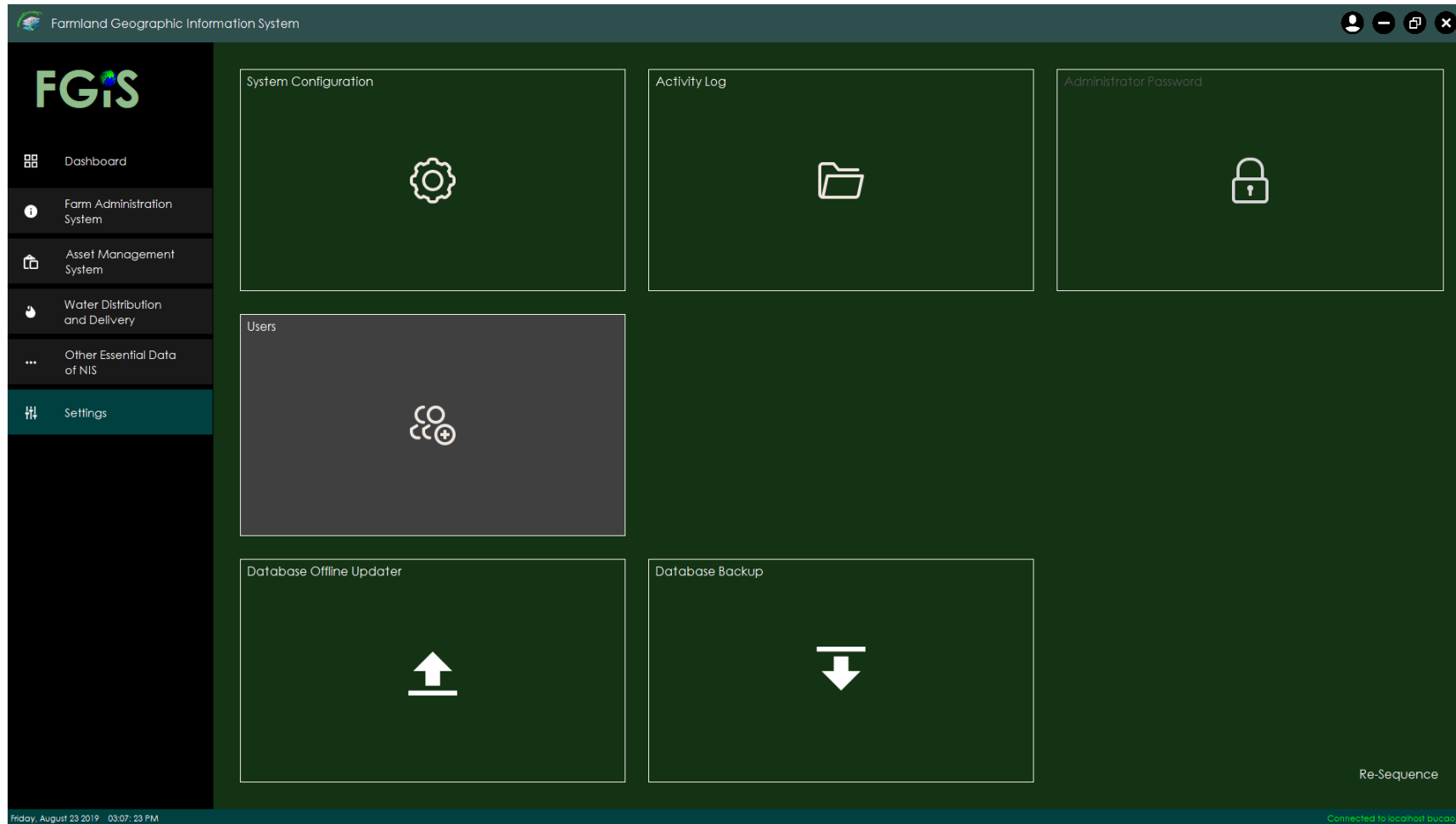
Users

3. Message will show notifying the you are an administrator for that ris.
4. Click OK.



Users

5. Go to settings dashboard, it will show all the available functions for ris admin.
6. Click Users button.



Users

7. User interface will show.

8. To add new user, click add button.

Farmland Geographic Information System

- Dashboard
- Farm Administration System
- Asset Management System
- Water Distribution and Delivery
- Other Essential Data of NIS
- Settings**

User Information

Employee ID: 0001

First Name:

Middle Name:

Last Name:

Central Office (CO): ☒

Regional Irrigation Office (RIO): ☐

Irrigation Management Office (IMO): ☐

Irrigation Satellite Office (ISO): ☐

Username: admin

Password: ☒ Hide

Access Information

RIS	FAS	AMS	WDD	OTHERS
pampanga delta ris	R/W	R/W	R/W	R/W
buciao_ris	N/A	N/A	N/A	N/A

User List

ID	EMPID	LASTNAME	FIRSTNAME	MIDDLENAME	RIO	IMO	ISO	CO
183	USER1				3			<input type="checkbox"/>
184	123	123	123	123	3			<input type="checkbox"/>
30	0001		admin		3			<input type="checkbox"/>
180	0001				3			<input type="checkbox"/>
191	0001				3			<input type="checkbox"/>

Friday, August 23 2019 03:07:48 PM

Connected to localhost/buciao_1

Users

9. Enter the new user information.

10. In access infor, select the ris to be access, R/W = read and write, R = read, N/A = no access.

Farmland Geographic Information System

- Dashboard
- Farm Administration System
- Asset Management System
- Water Distribution and Delivery
- Other Essential Data of NIS
- Settings

User Information

Employee ID:

First Name:

Middle Name:

Last Name:

Central Office (CO): ☐

Regional Irrigation Office (RIO): ☒

Irrigation Management Office (IMO): ☐

Irrigation Satellite Office (ISO): ☐

Username:

Password:

Access Information

RIS	FAS	AMS	WDD	OTHERS
bucad_ris	R/W	R/W	R/W	R/W
	R			
	R/W			
	N/A			

User List

ID	EMPID	LASTNAME	FIRSTNAME	MIDDLENAME	RIO	IMO	ISO	CO
183	USER1				3			<input type="checkbox"/>
30	0001		admin		3			<input type="checkbox"/>
180	0001				3			<input type="checkbox"/>
191	0001				3			<input type="checkbox"/>

Friday, August 23 2019 03:11:19 PM Connected to localhost bucad_js

Users

11. Click add button, new user will be added.
12. To add picture for the user, select the user then click edit button.

Farmland Geographic Information System

- Dashboard
- Form Administration System
- Asset Management System
- Water Distribution and Delivery
- Other Essential Data of NIS
- Settings**

User Information

Employee ID:

First Name:

Middle Name:

Last Name:

Central Office (CO): ☐

Regional Irrigation Office (RIO): ☒

Irrigation Management Office (IMO): ☐

Irrigation Satellite Office (ISO): ☐

Username:

Password: ☐ Hide

Access Information

RIS	FAS	AMS	WDD	OTHERS
bucag_rs	R/W	R/W	R/W	R/W

User List

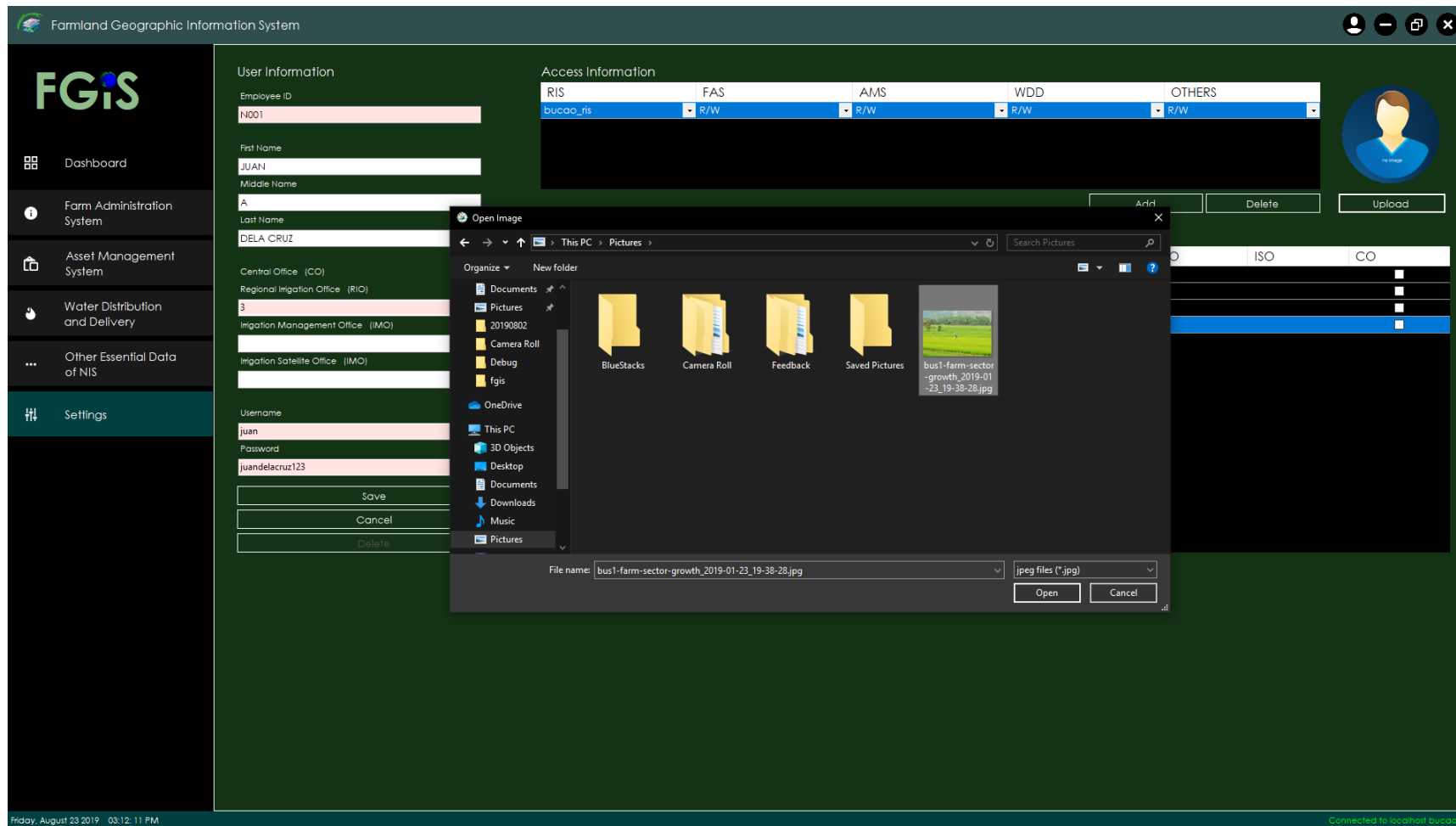
ID	EMPID	LASTNAME	FIRSTNAME	MIDDLENAME	RIO	IMO	ISO	CO
183	USER1				3			<input type="checkbox"/>
192	N001	DELA CRUZ	JUAN	A	3			<input type="checkbox"/>
30	0001		admin		3			<input type="checkbox"/>
180	0001				3			<input type="checkbox"/>
191	0001				3			<input type="checkbox"/>

Friday, August 23 2019 03:13: 03 PM

Connected to localnet bucag_rs

Users

13. Click upload button to upload picture for the user.
14. Browse the picture the click open button.



Users

15. Click save button to save.

Farmland Geographic Information System

- Dashboard
- Farm Administration System
- Asset Management System
- Water Distribution and Delivery
- Other Essential Data of NIS
- Settings

User Information

Employee ID:

First Name:

Middle Name:

Last Name:

Central Office (CO): ☐

Regional Irrigation Office (RIO): ☒

Irrigation Management Office (IMO): ☐

Irrigation Satellite Office (ISO): ☐

Username:

Password: Hide

Access Information

RIS	FAS	AMS	WDD	OTHERS
bucap_ris	R/W	R/W	R/W	R/W

User List

ID	EMPID	LASTNAME	FIRSTNAME	MIDDLENAME	RIO	IMO	ISO	CO
183	USER1				3			<input type="checkbox"/>
192	N001	DELA CRUZ	JUAN	A	3			<input type="checkbox"/>
30	0001		admin		3			<input type="checkbox"/>
180	0001				3			<input type="checkbox"/>
191	0001				3			<input type="checkbox"/>

Friday, August 23 2019 03:13:45 PM Connected to localhost/bucap_ris

Users

16. Now the user have picture.

Farmland Geographic Information System

- Dashboard
- Farm Administration System
- Asset Management System
- Water Distribution and Delivery
- Other Essential Data of NIS
- Settings

User Information

Employee ID:

First Name:

Middle Name:

Last Name:

Central Office (CO): ☐

Regional Irrigation Office (RIO): ☒

Irrigation Management Office (IMO): ☐

Irrigation Satellite Office (ISO): ☐

Username:

Password:

Access Information

RIS	FAS	AMS	WDD	OTHERS
bucap_ris	R/W	R/W	R/W	R/W

User List

ID	EMPID	LASTNAME	FIRSTNAME	MIDDLENAME	RIO	IMO	ISO	CO
183	USER1				3			<input type="checkbox"/>
192	N001	DELA CRUZ	JUAN	A	3			<input type="checkbox"/>
30	0001		admin		3			<input type="checkbox"/>
180	0001				3			<input type="checkbox"/>
191	0001				3			<input type="checkbox"/>

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Connected to localhost/bucap_ris