



SELIS Operation Manual

User's Guide

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The background of the slide is a dark blue-grey color with a complex, white, wavy pattern that resembles a topographic map or contour lines. The lines are irregular and flow across the entire frame, creating a sense of depth and movement.

Introduction to SELIS

Introduction to SELIS

Geographic information systems (GIS) are computer-based systems that allow users to record, store, and review data related to locations and points on the Earth's surface. GIS technology is often used to generate maps, visualize data based on land usage and other parameters, and make analyses based on this data. These systems can integrate various types of data, such as satellite imagery, topographic maps, and land ownership details amongst others. With the multifaceted approach of these analyses, users can make various informed decisions on the world around them.

The SELIS system is an example of such a system – SELIS creates maps based on particulars of land plots and allows users to use it to generate maps and work with them to produce diagrams of use.

SELIS has various capabilities – among these are the ability to display maps, do data visualisation and searching and to view information regarding land plots and other items.

The current link for the SELIS system is <https://sebselis.info>.

The logo for SELIS, where 'SELIS' is written in a bold, sans-serif font. The letters 'S', 'E', 'L', and 'S' are blue, while the letter 'i' is green.

Sarawak Energy Land
Information System

First Steps



Homepage

Upon entering the SELIS page, you will be greeted by the landing page.

The screenshot shows the SELIS homepage layout. At the top is a navigation menu with the following items: Sarawak Energy logo, 100% RENEWABLE logo, SELIS Sarawak Energy Land Information System logo, Home, Guides, Contact, a green Login button, and a Register button. Below the menu is a large hero section with the headline "Merging the digital and the physical for a brighter future" and a circular graphic composed of blue lines. A red arrow labeled "Main Page" points to this central content area. Below the hero section is a paragraph of text describing the system's capabilities, followed by a green Login button and a View User Guides button. At the bottom, there are four feature cards: "Report and Analysis", "Accessible Anywhere", "Secure and Safe", and "Easy Review". The footer contains the copyright notice: "Copyright 2023 Sarawak Energy (Land and Wayleave)".

Menu Bar →

Main Page ←

Report and Analysis
SELIS allows you to retrieve information on ongoing SEB projects, and generate land analysis with ease.

Accessible Anywhere
With the usage of cloud-based technology, you can access SELIS anywhere, anytime.

Secure and Safe
SELIS emphasises security and safety, taking all measures necessary for data security.

Easy Review
With SELIS's user interface, reviewing documents and information on land details has never been easier!

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This website can be broken down into the respective elements of the menu bar and the main page.

Note: the interface may change slightly depending on the size of your device's screen. This is no cause for concern – the main functions covered here will not change.

Menu Bar



The navigation bar has links to all the important areas of the website. The **Home** button leads back to the landing page of the website. The **Guides** section will lead you to the guide and user manuals for the Admin side and the User side. The **Contact** section will lead you to the contact information of the relevant admins for the site at that time. The **Login** button will send you to the Login page of the website; the **Register** button will send you to the registration page of the system.

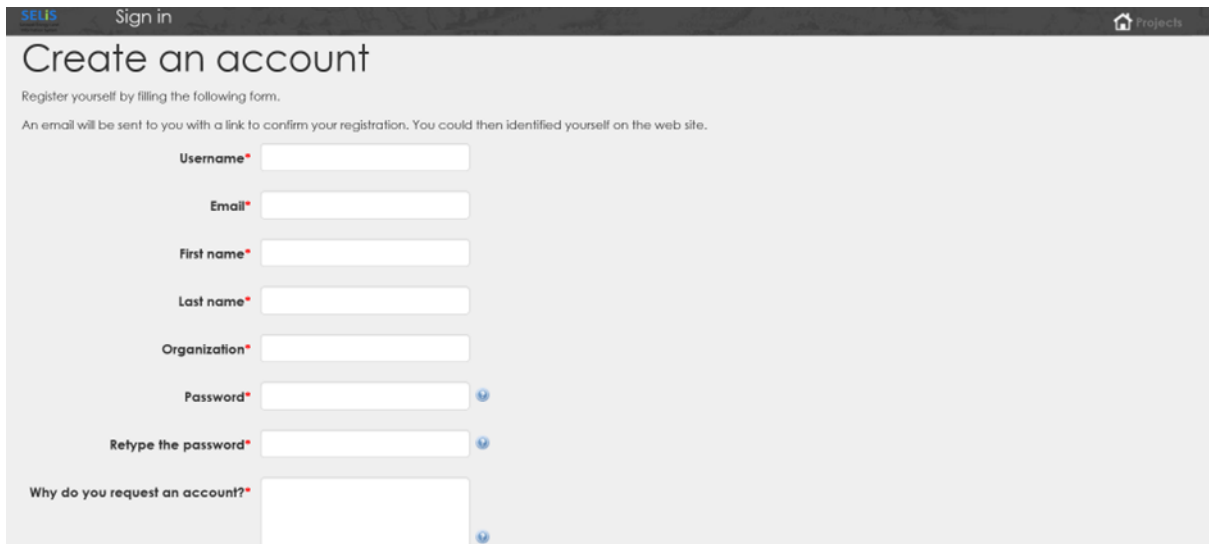
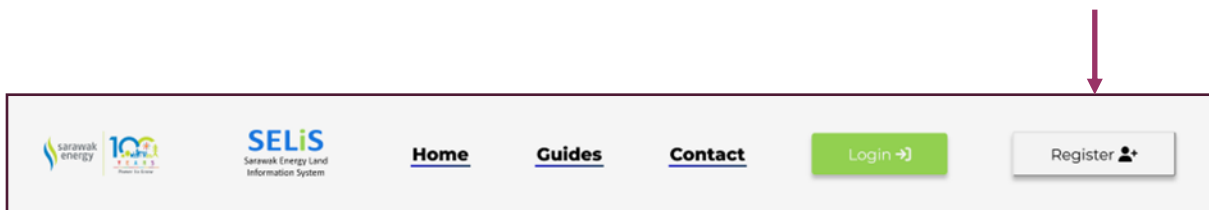
Main Page



The main site contains information about the purposes and aims of SELIS and two important buttons. The **Login** button, as per the button in the previous section, allows you to log into the SELIS system. The **View User Guides** button allows you to view the User Guides should that be needed.

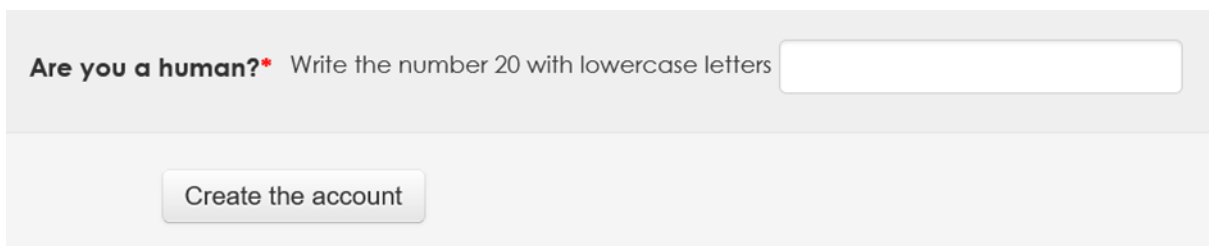
Account Creation

If you have not previously used the SELIS system, you are required to create an account. To do so, click on the **Register** button on the landing page.

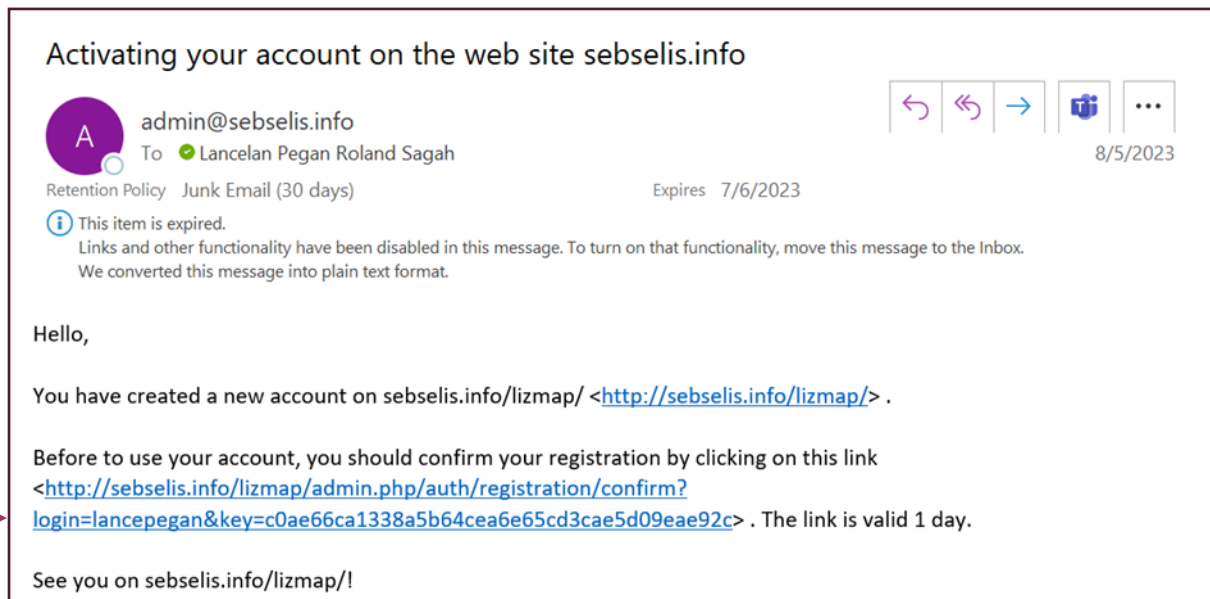


A screenshot of the 'Create an account' form. The form is titled 'Create an account' and includes the following fields: Username, Email, First name, Last name, Organization, Password, Retype the password, and Why do you request an account?. A red arrow points to the Register button in the previous image.

You will then be brought to this page for account creation. Please fill in all the details accurately, as all fields are compulsory. Once all fields are filled in, click the **“Create an Account”** button to submit the form.



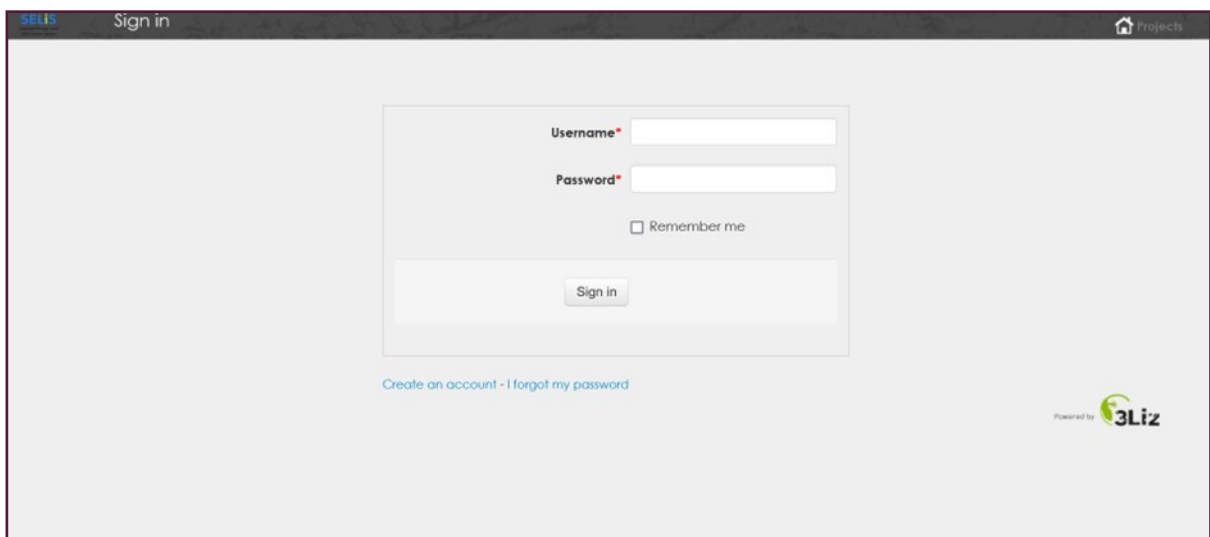
A screenshot of the CAPTCHA verification step. It asks the user to write the number 20 with lowercase letters. Below the input field is a button labeled 'Create the account'. A red arrow points to the 'Create the account' button.



Once your account is successfully created, verify it by clicking on the link in the verification e-mail. The account creation process is then complete.

Note: for further privileges and map access, admin approval is needed. For prompt action, please contact the sysadmin.

Logging In

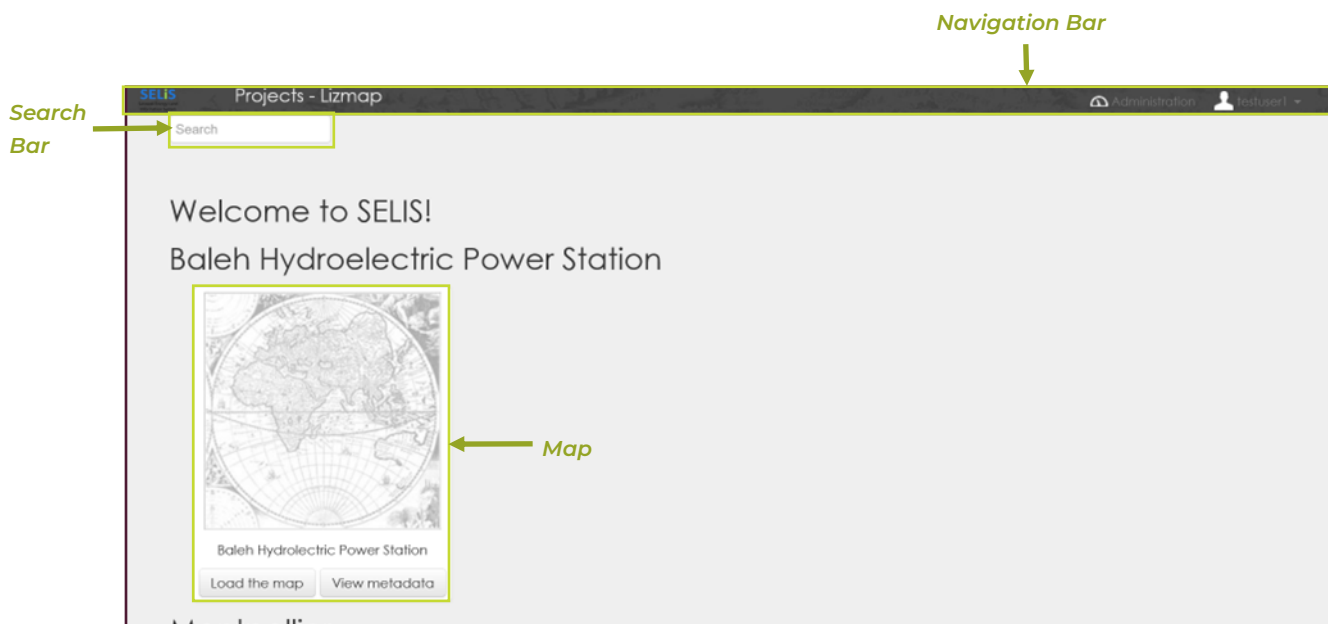


Upon clicking the log-in button, you will be brought to the log-in screen for the SELIS dashboard. Please enter your credentials as previously registered and sign in. You may click the **“Remember me”** button to save your credentials for subsequent log-ins.

Dashboard Landing



Loading Maps

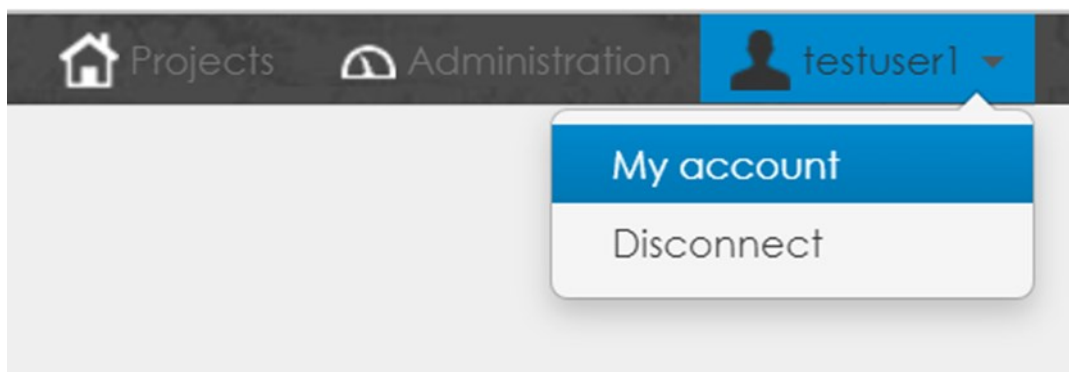


Upon logging in, you will be able to access the SELIS dashboard and view maps according to your level of privileges. The maps are displayed below in a uniform layout with their labels. To open a map, click on the **“Load the map”** button on the respective map.

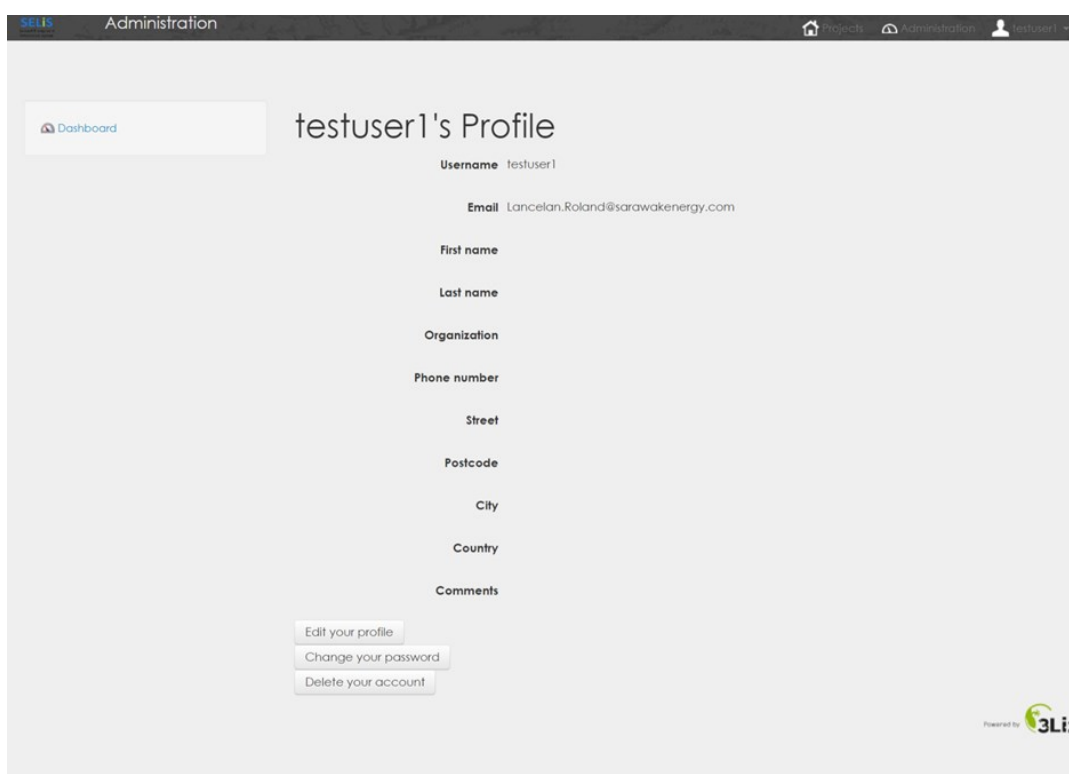


You may also search for projects by typing into the **search bar** as indicated in

Account Management



Should you need to manage your account, you may access the account management page by clicking on your username and going to **My Account**. To log-out of the account, go to the menu and click **Disconnect**.



You may then **edit your profile**, **change your password**, or **delete your account** by clicking on the respective buttons.

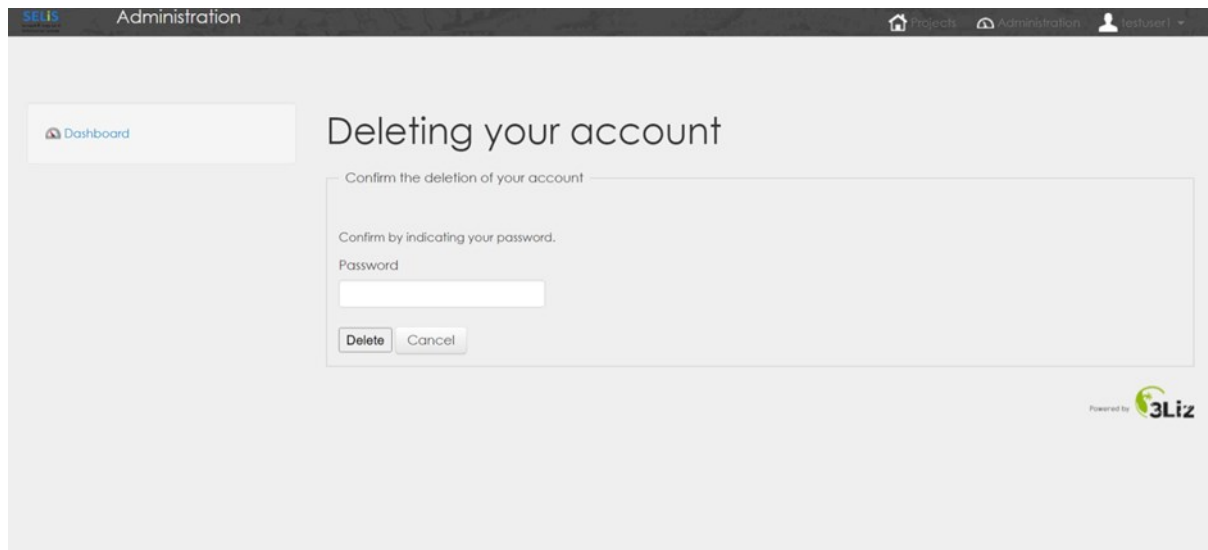
To edit your profile, click on the respective button and add the relevant details you wish to add – save your details once you have ensured they are complete and accurate.

The screenshot shows the 'Editing your profile' page in the administration dashboard. The page has a dark header with the 'SEUS' logo, 'Administration' title, and navigation links for 'Projects', 'Administration', and 'testuser1'. A 'Dashboard' button is visible on the left. The main content area is titled 'Editing your profile' and shows the current 'Username' as 'testuser1'. Below this, there are several input fields: 'Email*' (containing 'emailadd@gmail.com'), 'First name', 'Last name', 'Organization', 'Phone number', 'Street', 'Postcode', 'City', and 'Country'. A larger text area for 'Comments' is also present. At the bottom of the form is a 'Save' button. The footer of the page includes the text 'Powered by 3Liz'.

To change your password, enter your current password and your new password. Please note that all passwords must be **longer than 8 characters**.

The screenshot shows the 'Password change' page in the administration dashboard. The page has the same dark header as the previous screenshot. The main content area is titled 'Password change' and includes the instruction 'Indicate your new password.'. There are three input fields: 'Your current password*' (with a masked password), 'Your new password*' (with a masked password and a help icon), and 'Retype the password*' (with a masked password and a help icon). A 'Change' button is located at the bottom of the form. Below the button is a link that says 'Cancel and back to your profile'. The footer of the page includes the text 'Powered by 3Liz'.

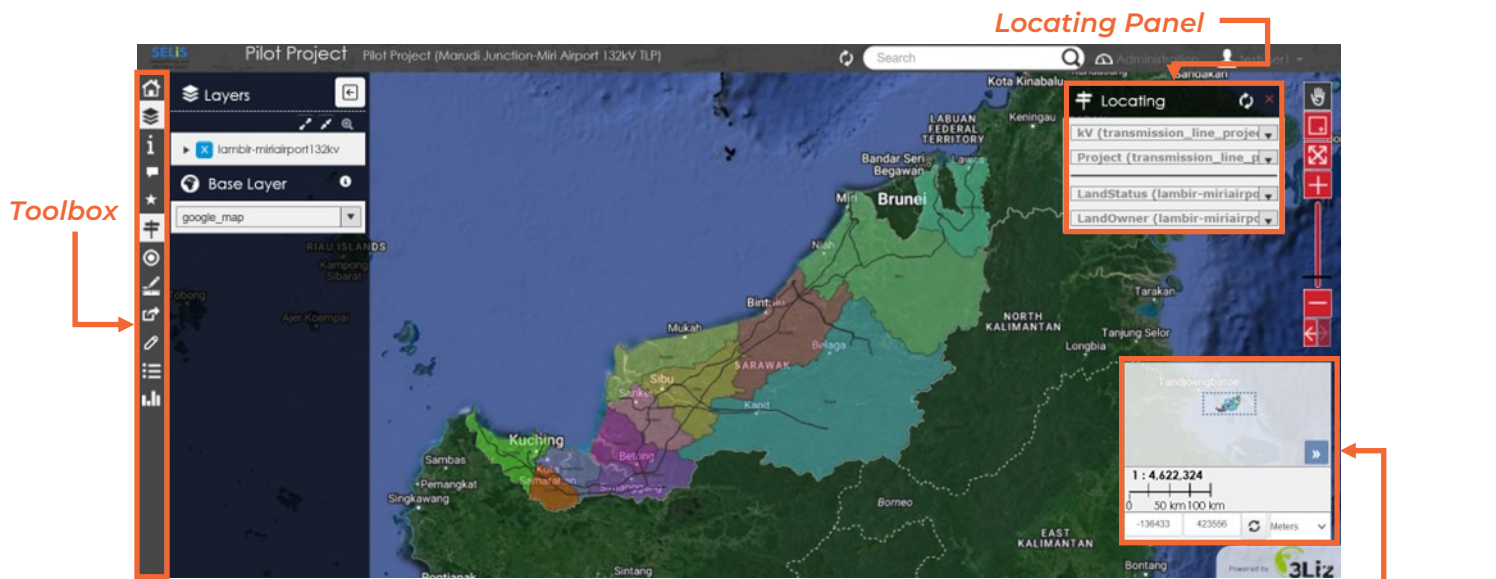
To delete your account, click on the respective button. You will then be asked to confirm your decision by entering your password before deleting the account.



Map Access and Tools



Loading In



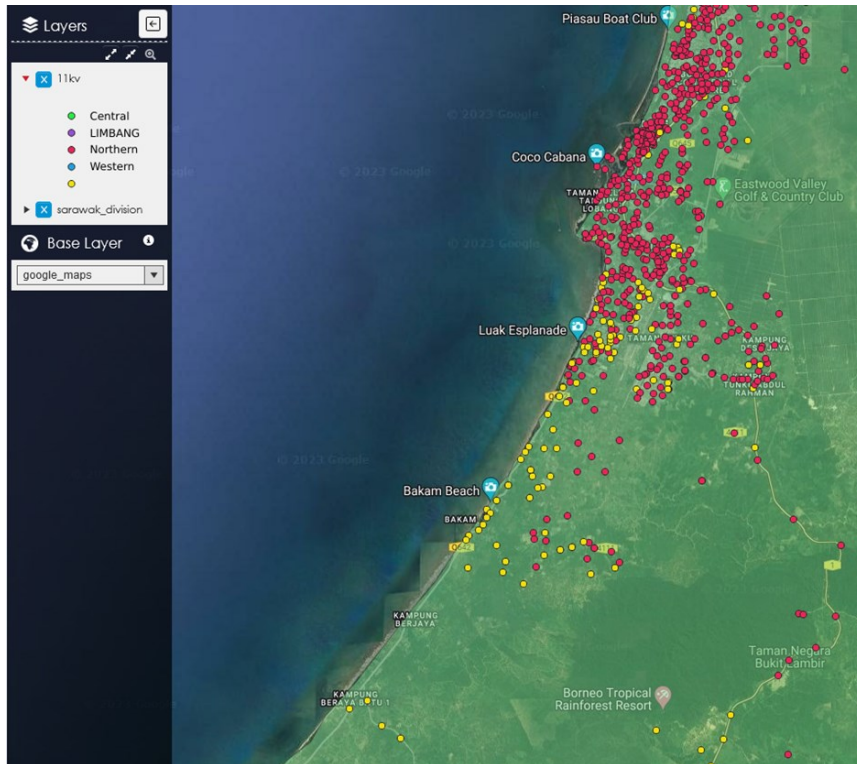
Upon loading into a map, you will be greeted by the interface above. This interface can be divided into three components – the **Toolbox**, the **Locating panel** and the **Overview panel**. The overall map can also be zoomed in and out of using the scroll wheel, and the map can be traversed by clicking and dragging. You can also **zoom in and out** with the buttons in the

Toolbox

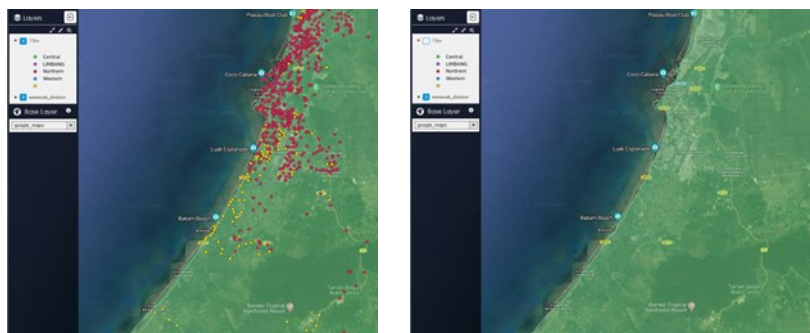
-  Home
-  Layers
-  Information
-  Pop-up
- 
-  Locating
-  Geolocation
-  Print
-  Measuring
-  Permalink
-  Draw
-  Data
-  Dataviz

The Toolbox is the sidebar of the application – it is located along the left-hand side of the screen.

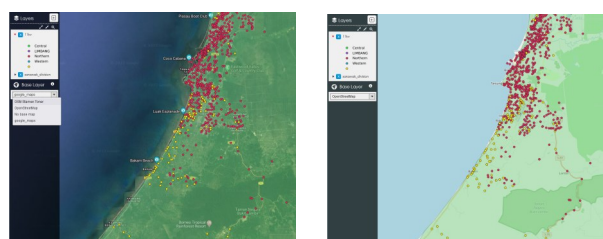
Layers



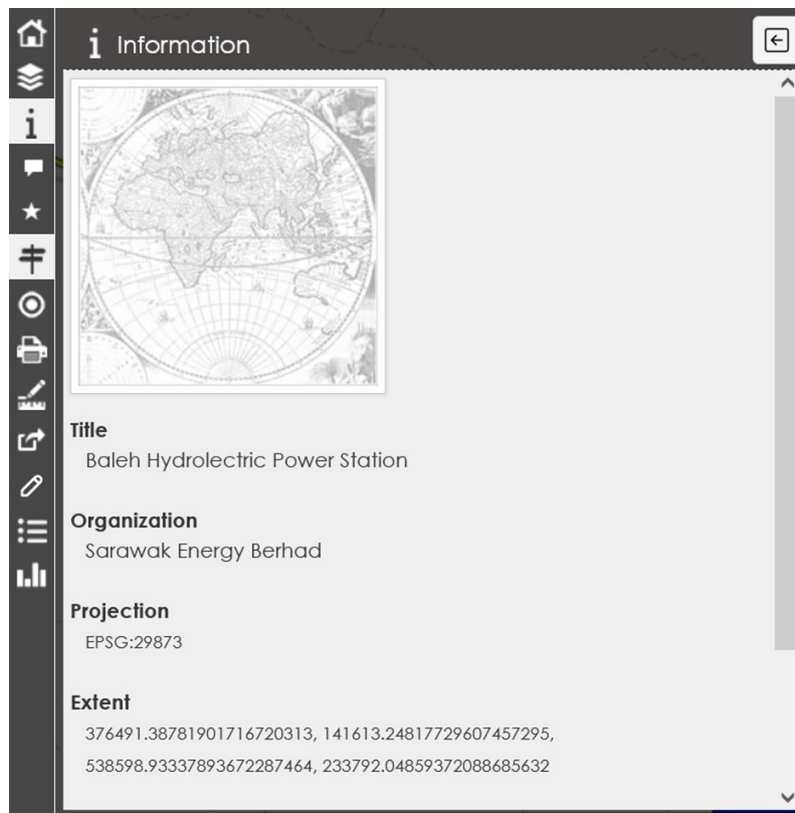
The Layers panel displays the relevant legends and outlines in the map for context of what is viewed. The layers can be toggled to be visible or invisible in this panel should there be a need to hide or isolate certain aspects of the map. If you wish to toggle the visibility of a particular layer, click on the **X** icon of the relevant layer to toggle it.



In this panel, you can also change the base layer being used – this can help with visualising the terrain and map. The following options are usually available for the base layer, with Google Maps being available for some maps:

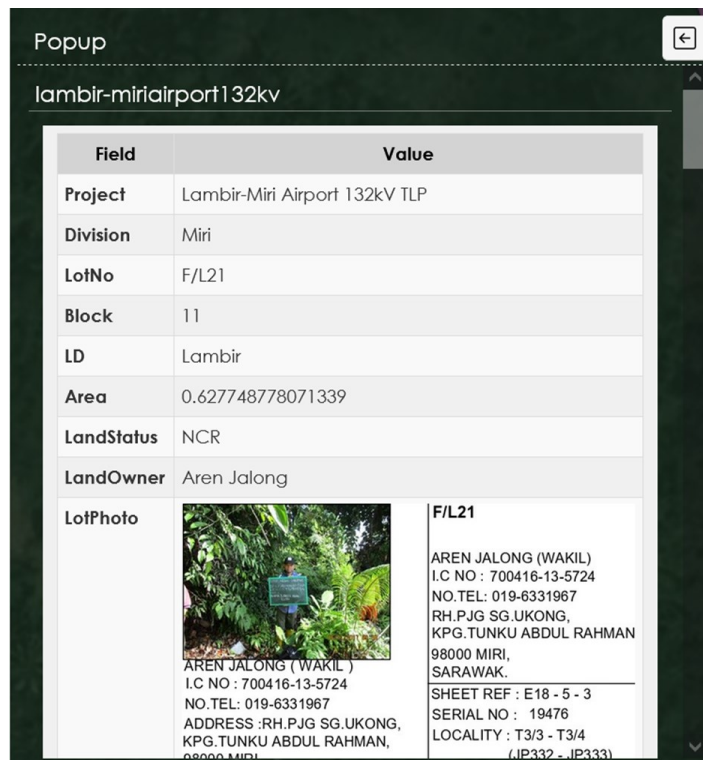


Information

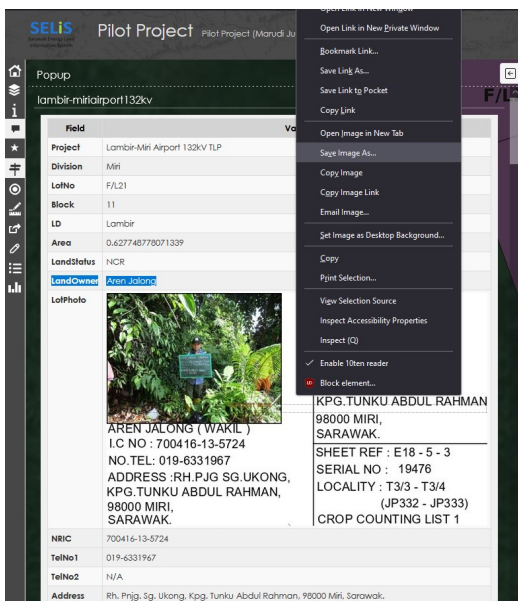


The Information panel lists the description of the map – this can include the title, projection, person/organisation that created the map, the extent of the map, and other details relevant to the map.

Pop-up

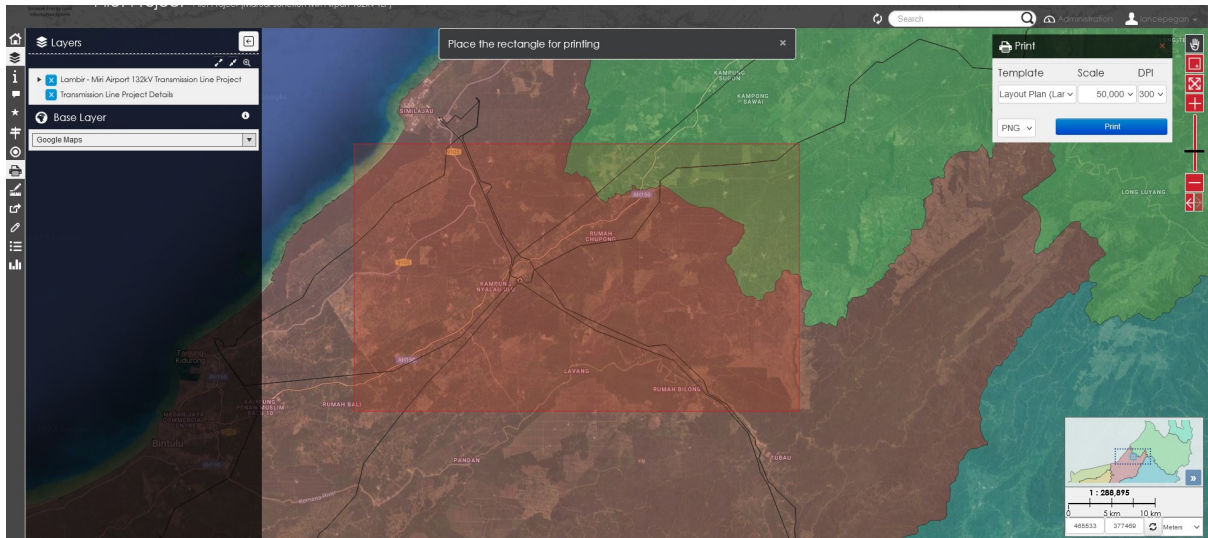


The Pop-up panel appears either when the popup icon is clicked on in the Toolbox or when a relevant plot is clicked on in the map itself. This panel will show information and documentation relevant to the selected plot of land including land status, ownership, and other relevant details.

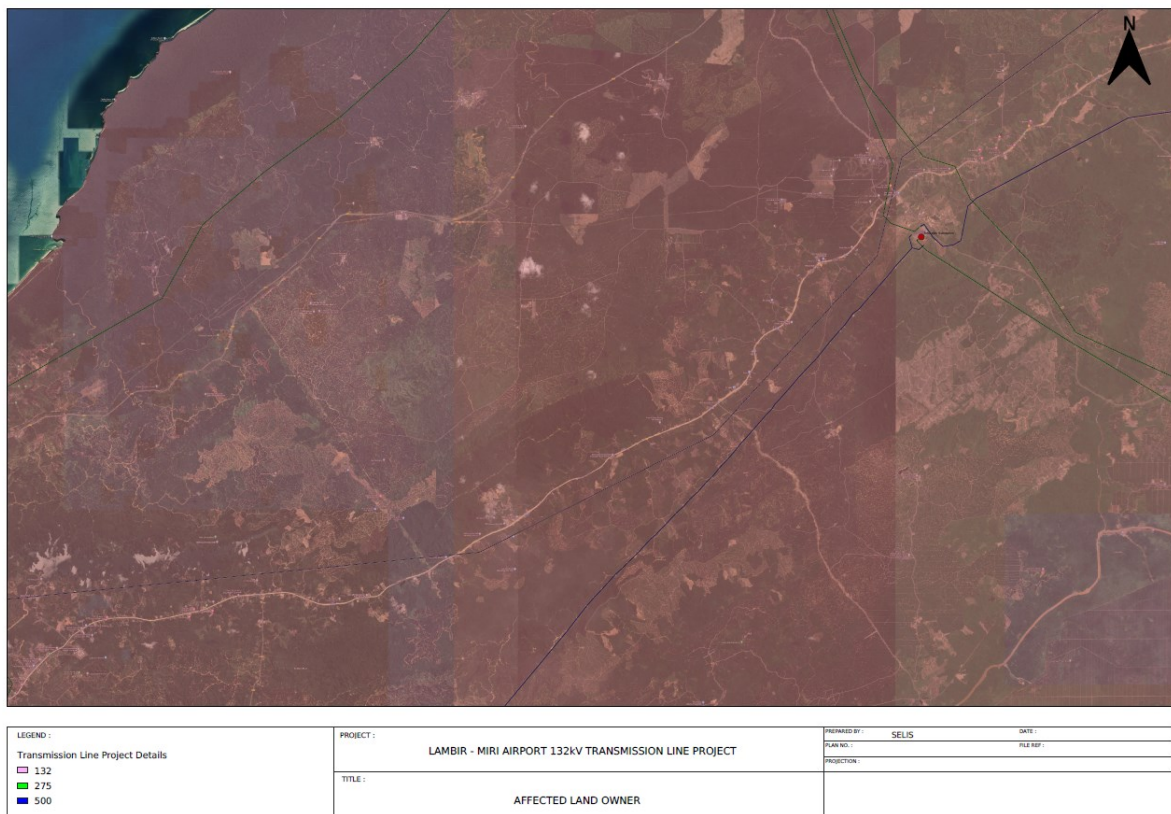


If you may need to save any of the pictures in the Pop-up panel for future reference, you may right-click these pictures and select to “Save Image As...” to download the photo to your device.

Print

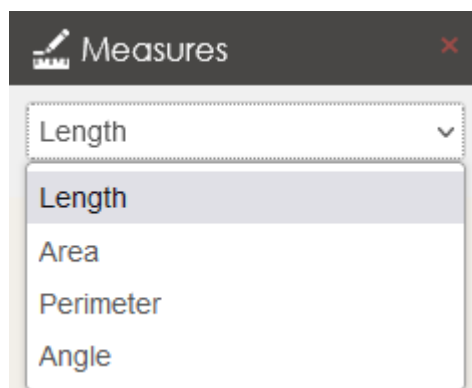


The Print tool is used to generate layouts and diagrams from the map. By default, the scale is locked to the current viewable area of the map – to change this, use the scale dropdown to select an appropriate scale. You may also drag the red rectangle to specify the area to be printed. The format of the printout can be specified as well. When the area is selected and ready to be printed, click Print to allow the file to be printed and downloaded. The appropriate legends and layers are also included in the printout to ensure that all the necessary info can be conveyed in accurate order.

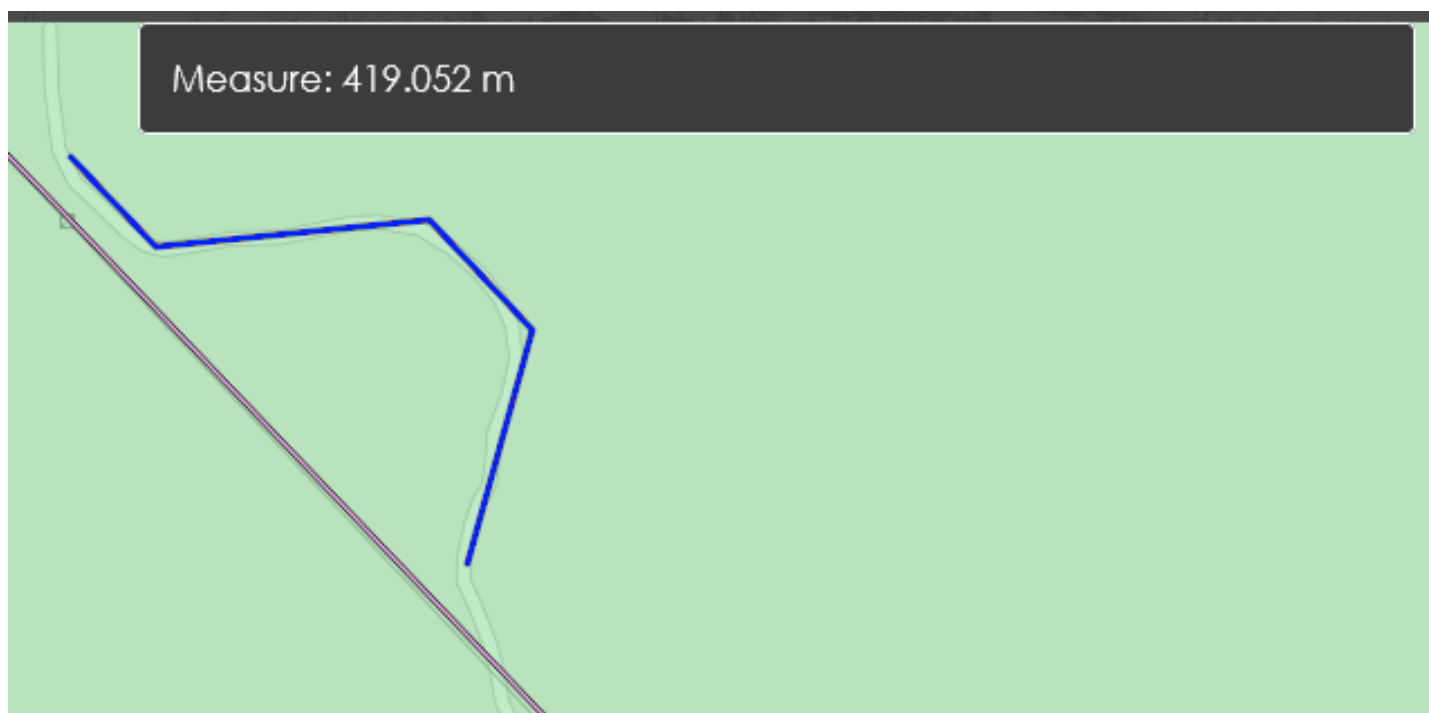


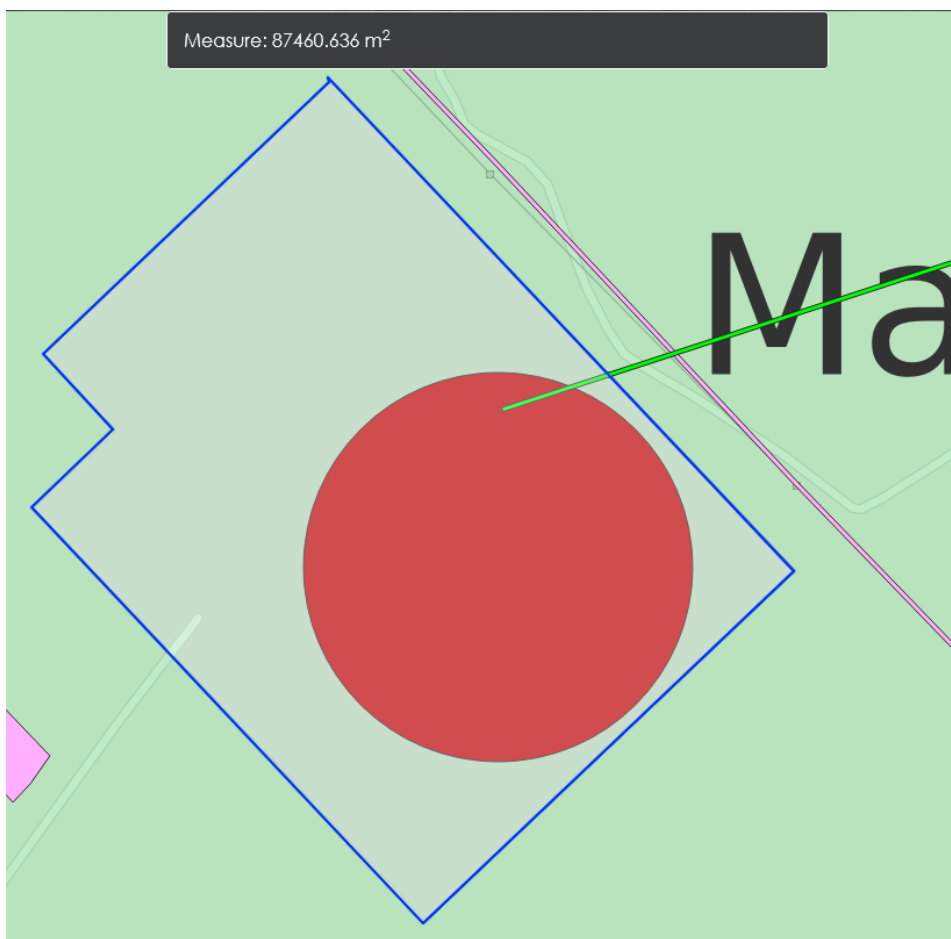
Measuring

The Measuring tool is used to measure various aspects of the map. The available metrics that can be measured are length, area, perimeter, and angles. You may change the measurement to be measured by clicking on the drop-down menu and selecting the right unit.



To measure, click on the intended start-point of your measurement. For measurements other than angles, you may extend the measurement by clicking once on the next relevant point. Once you have concluded your measurement, double-click on the last point of measurement to end the measurement. The final measurement length/area/perimeter/angle will be

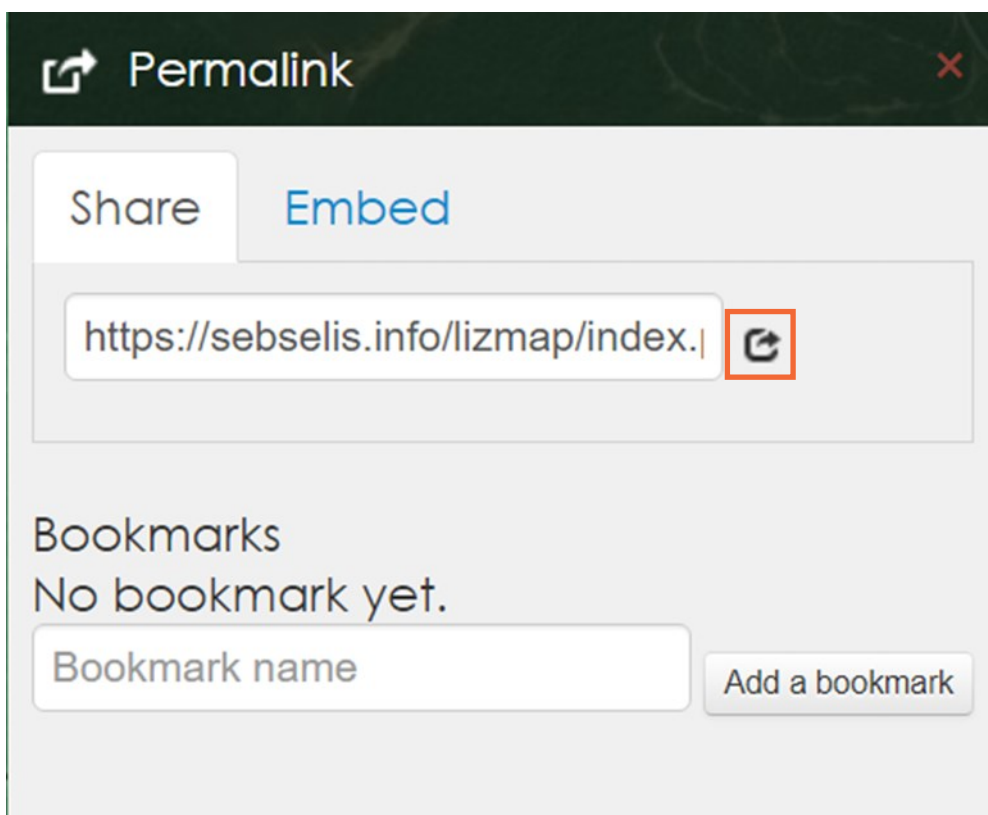




Measure: 122.05°

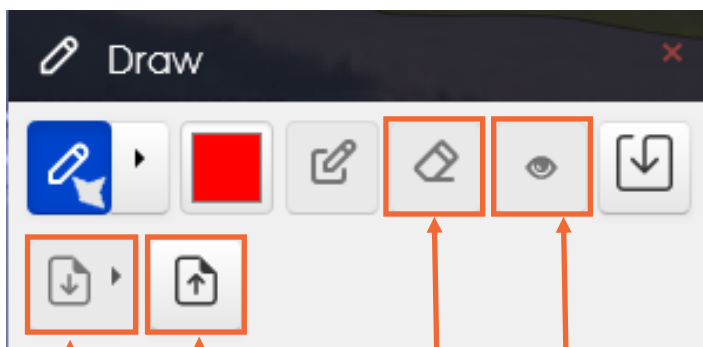


Permalink



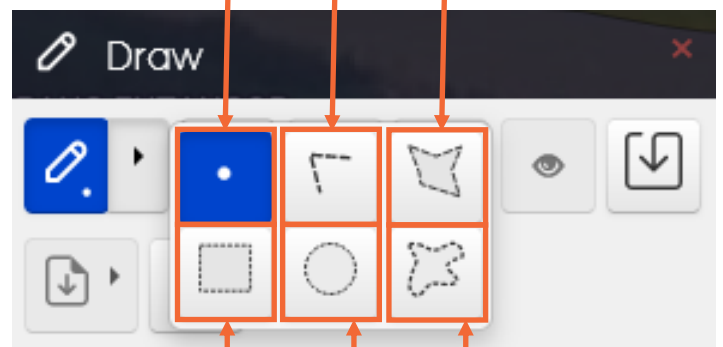
The Permalink tool allows the user to share a direct link to a specific area of the map. This permalink allows that specific area to be viewed directly for any other users who click the link. To copy or share the current link, click on the **Share** button indicated in the diagram.

Draw



Import Export

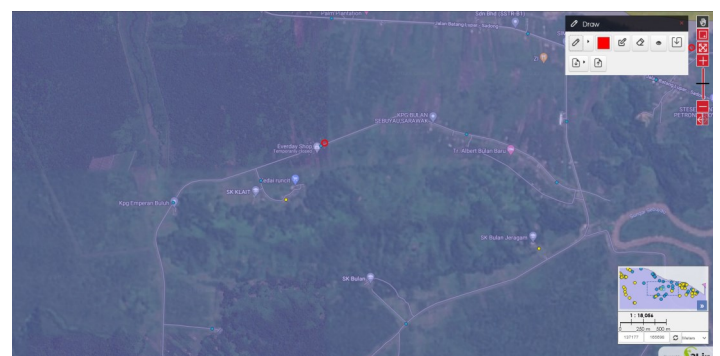
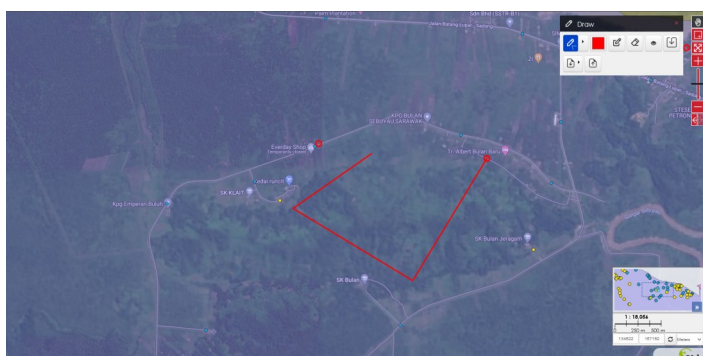
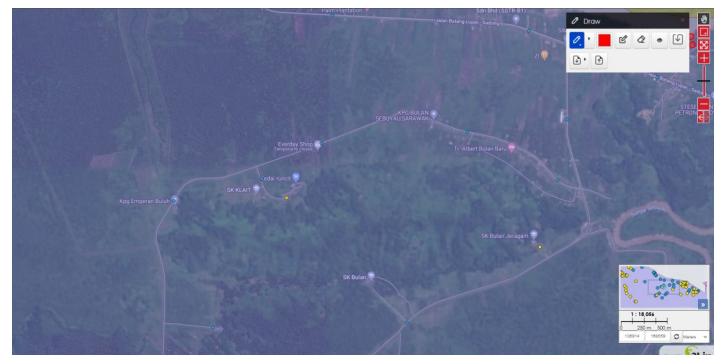
Erase Visibility



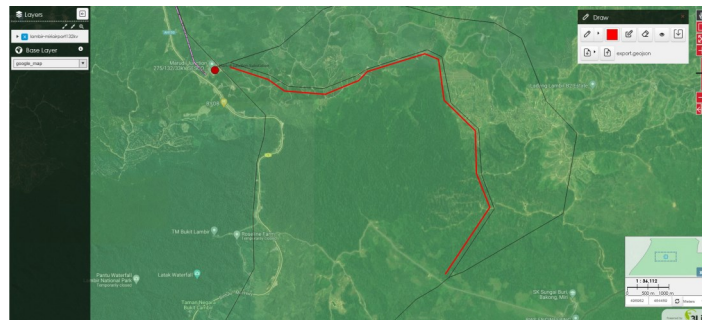
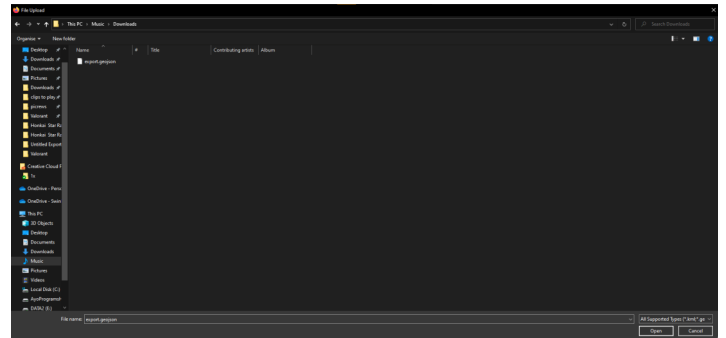
Point Line Polygon Square Circle Free-form shape

The Draw tool works similarly to the Measuring tool. It allows you to draw shapes, points, and lines on the map, and later export them as KML files. You may draw points, squares, circles, lines, or freeform shapes with the tool. You can also erase all shapes drawn by clicking on the **Erase** button, and make your drawings visible or invisible by clicking on the **Visibility** button.

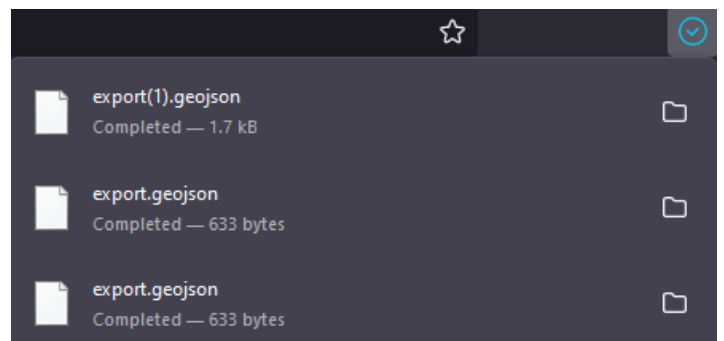
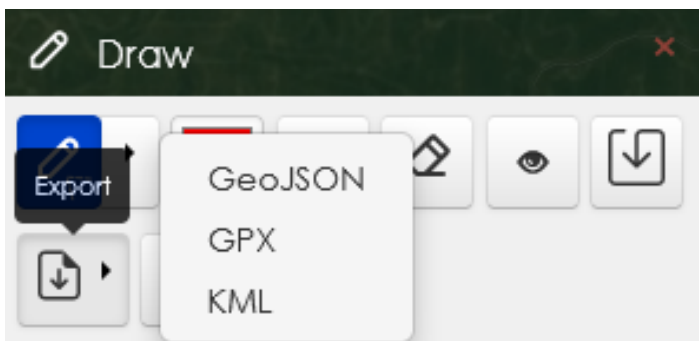
To draw, click on the intended start-point of your shape or line. For measurements other than points, you may extend the measurement by clicking once on the next relevant point. Once you have concluded your drawing, double-click on the last point to end the shape or line.



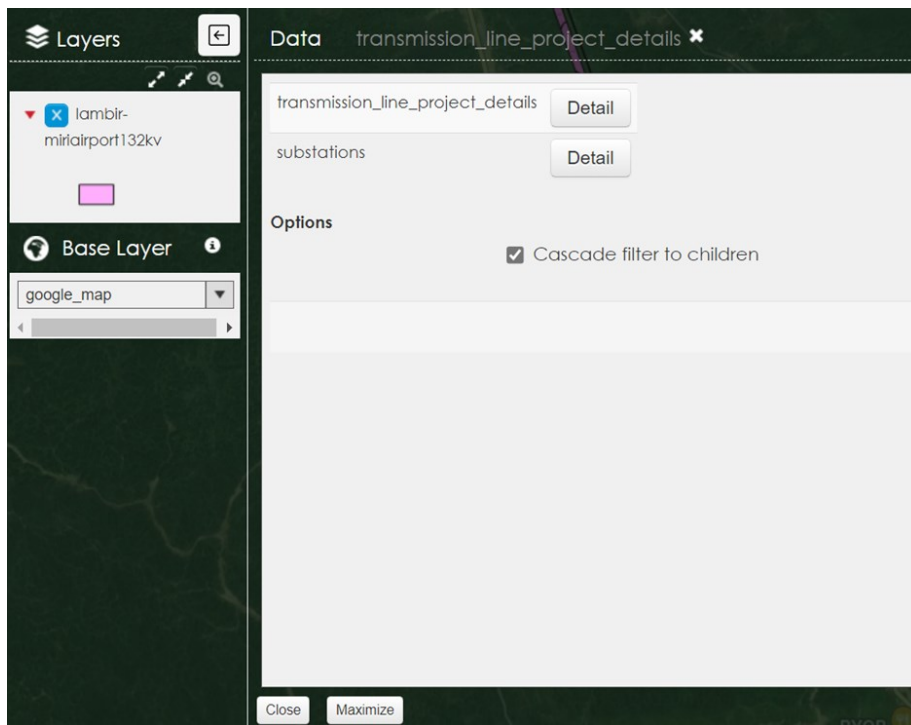
To import shapes into the map, you may click on the **Import** button. Once you have selected the appropriate file, you may click open to upload it.



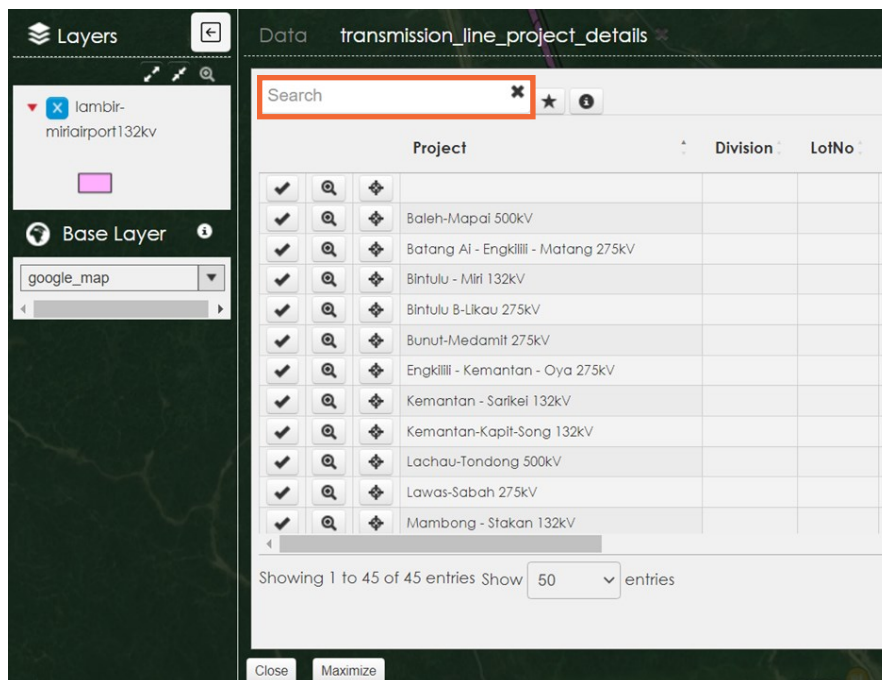
To export your drawing from the map, you may click on the **Export** button and specify the format you wish to download. The file will then be downloaded to your downloads folder after this click.



Data



The Data panel allows the user to view the underlying data of the map in table form. To view the details of a particular table, click on the **Detail** button of the relevant table.



The table's data can be sorted by clicking on the header to be sorted. The data can also be searched as needed to find relevant data points by entering a relevant search term into the search bar.

Data 11kv Draw

OYA Export

OBJECTID	SITE_ID	SUB_NAME	ACT_CUST	EST_CUST	FEEDER_ID	ZONESUB_ID	OPRTG_VOL	TX_COUNT	INS_1
1	DS35196	DESA SATTRIA 4			OYA-M4L5	OYA	11/,415	2	150
43	DS32737	LRG CENDANA			OYA-M5L5	OYA		1	300
209	DS32834	DESA SATTRIA 3	168		OYA-M4L5	OYA	11/,415	1	1000
231	DS32870	PINEVIEW 2	20		OYA-M8L5	OYA	11/,415	1	160
270	DS32168	PRIMEVIEW VILLA	31		OYA-M8L5	OYA	11/,415	1	160
271	DS32746	JADE VILLA 1A	59		OYA-M8L5	OYA	11/,415	1	300
272	DS32162	JADE VILLA	90		OYA-M8L5	OYA	11/,415	1	500
273	DS30483	P154/64 JLN HENG HUNG			OYA-M6L5	OYA	11/,415	1	16
274	DS30482	P154/29 JLN HENG HUNG			OYA-M6L5	OYA	11/,415	1	16
360	DS32626	J47, KAMPUNG SEDUAN JAYA			OYA-M7L5	OYA	11/,415	1	160
366	DS32266	KOMLEKS LEMBAGA PERIYATIM			OYA-M8L5	OYA	11/,415	1	500

Showing 1 to 50 of 147 entries (filtered from 11,247 total entries) Show 50 entries Previous 1 2 3 Next

Close Maximize 3Liz

The detailed info of a particular data entry can be viewed by clicking on the Tick icon of the relevant data entry. The map can also be focused onto a particular data entry's location by clicking either the **crosshairs** or the **zoom** button of the relevant entry.

Data 11kv Draw

OYA Export

OBJECTID	SITE_ID	SUB_NAME	ACT_CUST	EST_CUST	FEEDER_ID	ZONESUB_ID	OPRTG_VOL	TX_COUNT	INS_TX_CAP	CRITICALIT
1	DS35196	DESA SATTRIA 4			OYA-M4L5	OYA	11/,415	2	1500	
43	DS32737	LRG CENDANA			OYA-M5L5	OYA		1	300	
209	DS32834	DESA SATTRIA 3	168		OYA-M4L5	OYA	11/,415	1	1000	
231	DS32870	PINEVIEW 2	20		OYA-M8L5	OYA	11/,415	1	160	
270	DS32168	PRIMEVIEW VILLA	31		OYA-M8L5	OYA	11/,415	1	160	
271	DS32746	JADE VILLA 1A	59		OYA-M8L5	OYA	11/,415	1	300	
272	DS32162	JADE VILLA	90		OYA-M8L5	OYA	11/,415	1	500	
273	DS30483	P154/64 JLN HENG HUNG			OYA-M6L5	OYA	11/,415	1	16	
274	DS30482	P154/29 JLN HENG HUNG			OYA-M6L5	OYA	11/,415	1	16	
360	DS32626	J47, KAMPUNG SEDUAN JAYA			OYA-M7L5	OYA	11/,415	1	160	
366	DS32266	KOMLEKS LEMBAGA PERIYATIM			OYA-M8L5	OYA	11/,415	1	500	

Showing 1 to 50 of 147 entries (filtered from 11,247 total entries) Show 50 entries Previous 1 2 3 Next

Close Maximize 3Liz

Popup

11kv

Field	Value
OBJECTID	209
SITE_ID	DS32834
SUB_NAME	DESA SATTRIA 3
ACT_CUST	168
FEEDER_ID	OYA-M4L5
ZONESUB_ID	OYA
OPRTG_VOL	11/,415
TX_COUNT	1
INS_TX_CAP	1000
MOUNTING	Ground
EDITOR	dnat60054214
DATE_CREAT	2020-03-11 00:00:00
ASSET_CAT	Distribution

Draw

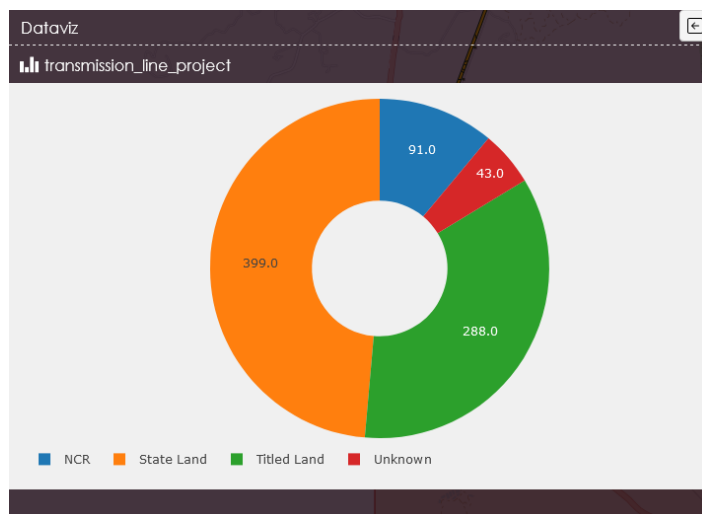
1 : 141

0 2.5 m 5 m

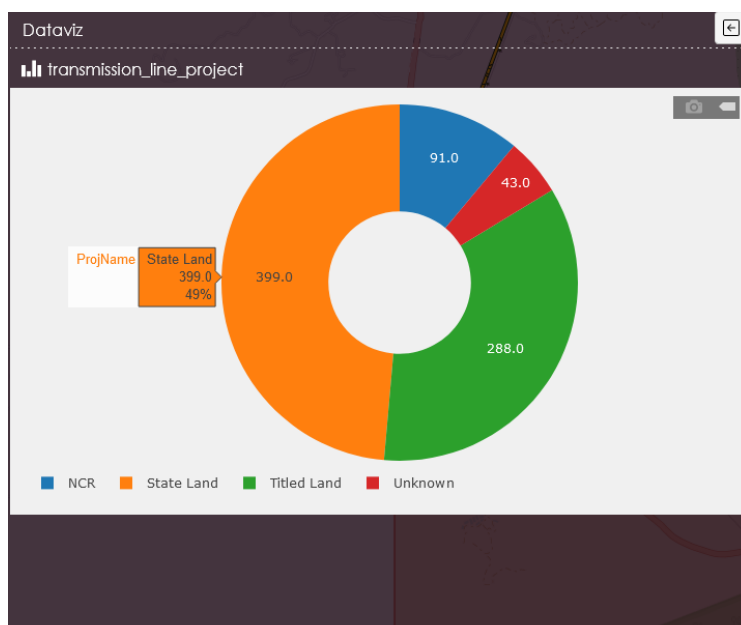
111.91714 2.30527 Degrees

Powered by 3Liz

Dataviz



The Dataviz panel is the last option in the toolbox – this can be used to view any visualisations that may be relevant to the map being used. You may mouse over any of the sectors to view detailed stats



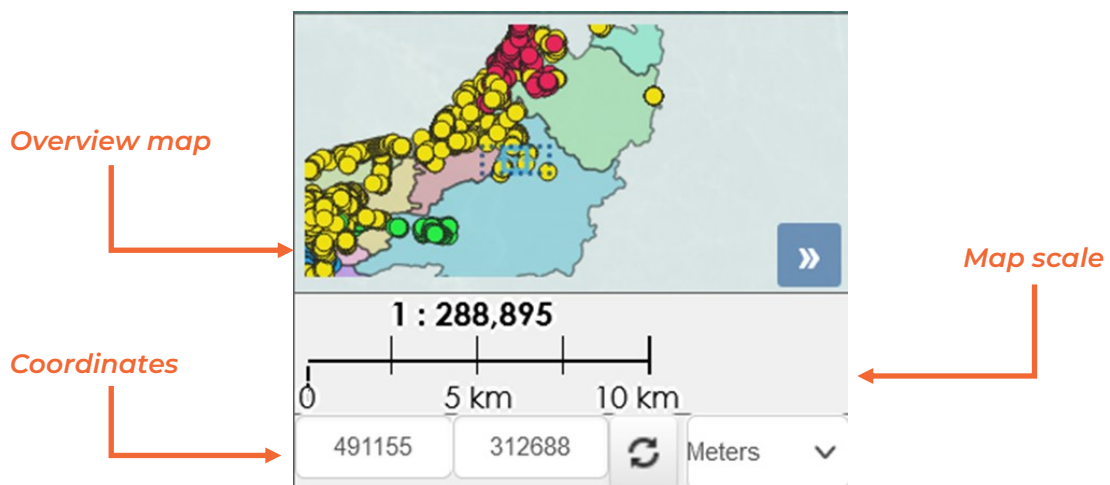
Query



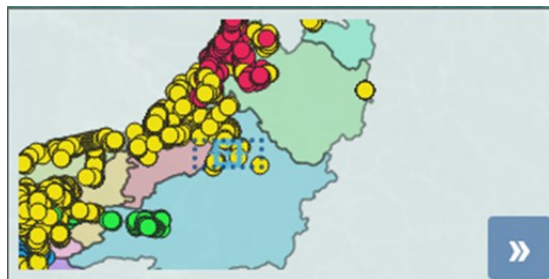
The Locating panel is open by default in the top right corner of the screen; should it be closed, it can be reopened by clicking on the Locating icon in the Toolbox. The Locating panel can be used to identify and isolate a certain plot of land or group of plots by specifying the details needed. The possible details specified can be land status, line kV and other similar particulars. When the details are specified, the relevant plot of land can be isolated and highlighted with



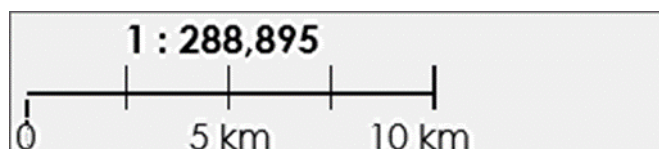
Overview Panel



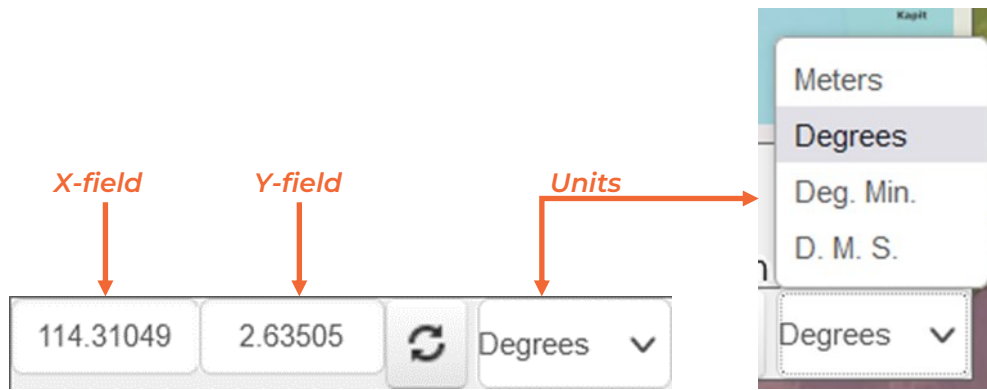
The Overview panel is in the bottom-right corner of the screen. This panel is used for a quick overview of the map briefly. The panel can be divided into the overview map, the map scale, and the current coordinates.



The overview map indicates the subdivisions of the map being detailed – these subdivisions can indicate details such as state division lines. The blue dotted rectangle on the overview map indicates the area of the map currently being viewed – you can pan and drag this rectangle to move the relevant area being viewed. The overview map can be hidden by clicking on the **light blue chevron**



The map scale is indicated here. This scale changes automatically according to the zoom level of the map.



You may enter coordinates into the **X and Y fields** in the Overview panel to view a particular point in the map. Upon entering these two coordinates into the panel, the relevant point is then highlighted with a yellow circle. The units used for the coordinates can also be changed by clicking on the drop-down menu – the following options are available: