

MISLAND Docs Documentation

version

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July 01, 2025

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MISLAND Docs

MISLAND is a free and open-source software, licensed under the [GNU General Public License, version 2.0 or later](#).

There are a number of components to the MISLAND tool. The first is a QGIS plugin supporting calculation of indicators, access to data, and production of print maps. The code for the plugin, and further instructions on installing it if you want to modify the code, are in [MISLAND Github repository](#).

The second is a MISLAND Mobile application that enables on the fly calculation of indicators, access to data and visualization of statistical data. It works similar to the [Web Service Geoservice](#).

QGIS Plugin

Registration and Settings

Registration

The toolbox is free to use, but you should register an email address to facilitate computation of large areas as the results may have to be sent to the email address.

To register your email address and obtain a free account, select the **settings** icon highlighted . This will open the **settings** dialog.

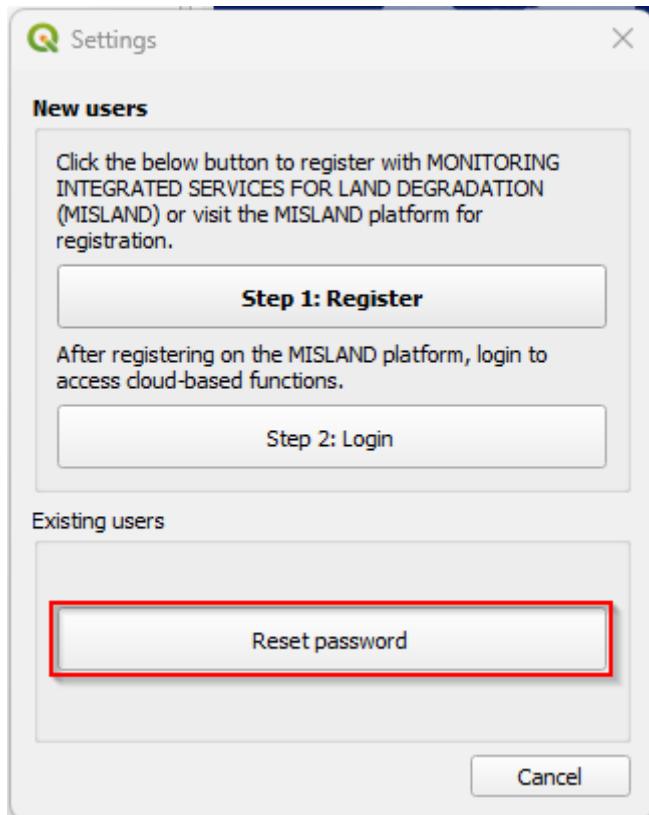


Figure 1: Settings dialog

To register, click the Step 1: Register button. This will lead you to the [MISLAND-Africa registration page](#). Provide all the details required on the platform and signup.

Note

If you have already registered on the platform, you can proceed to login on QGIS.

Login

To login, click on the Step 2: Login button. This will open the Login dialog.

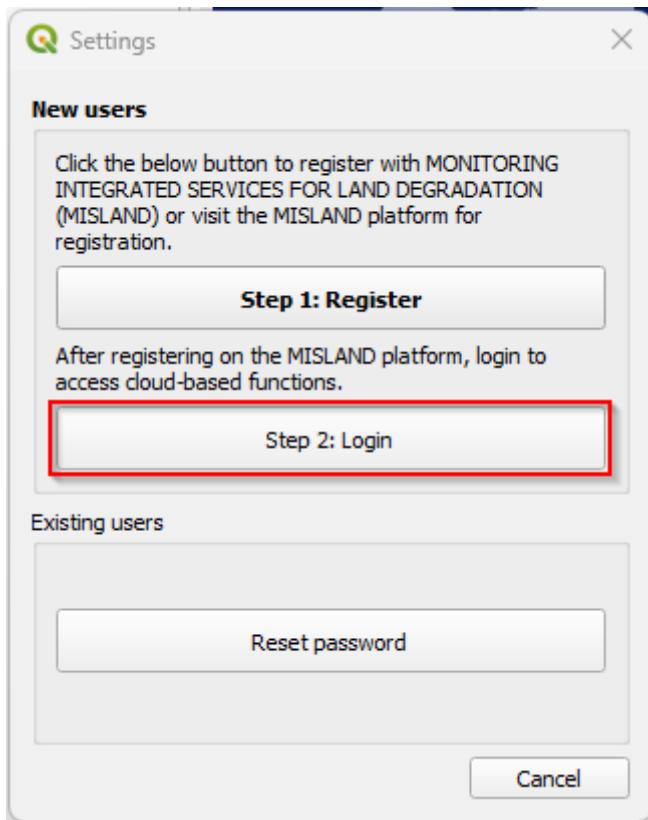


Figure 2: Settings with login button highlighted

Provide your email and password to login. Upon successful registration, your details will be saved by QGIS.

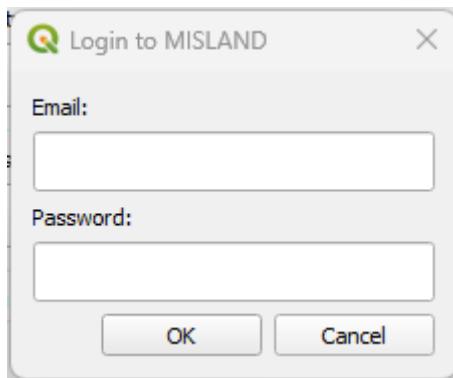


Figure 3: Login Dialog

Reset Password

If you wish to reset your password, click the Reset Password button. This will open [MISLAND-Africa reset password](#).

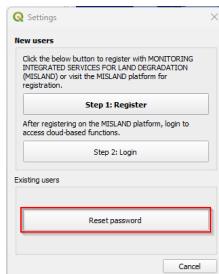


Figure 4: Settings dialog with reset password button highlighted

Proceed as guided on the platform to recover your account.

Calculate SDG 15.3.1

Sustainable Development Goal 15.3 intends to combat desertification, restore degraded land and soil, including land affected by desertification, drought and floods, and strive to achieve a land degradation-neutral world by 2030. In order to assess the progress to this goal, the agreed-upon indicator for SDG 15.3 (proportion of land area degraded) is a combination of three sub-indicators: change in land productivity, change in land cover and change in soil organic carbon.

Land Productivity

Land productivity is computed from vegetation indices using three measures of change i.e trajectory, state and performance. Any of the three sub-indicators measures of change as well as the productivity can be computed as illustrated below.

1. To start the land productivity analysis, click the **calculate** icon highlighted . This will open the calculate dialog.

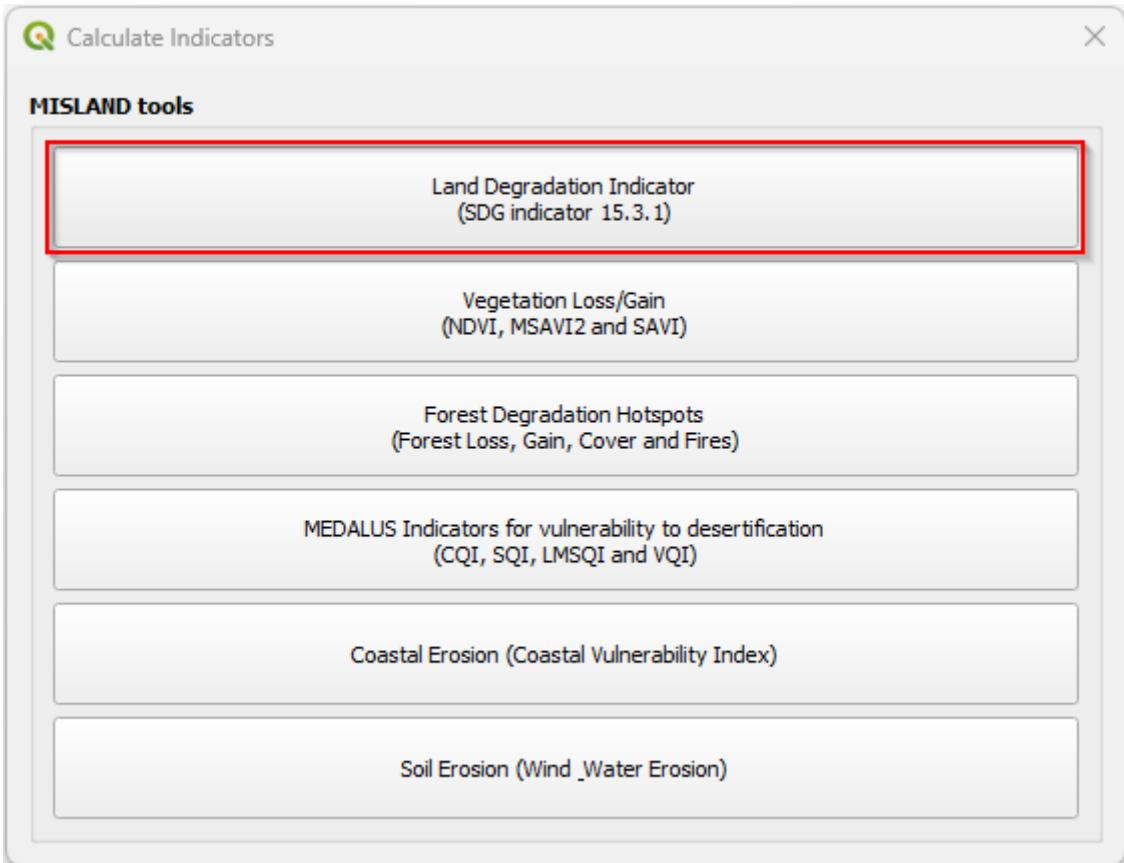


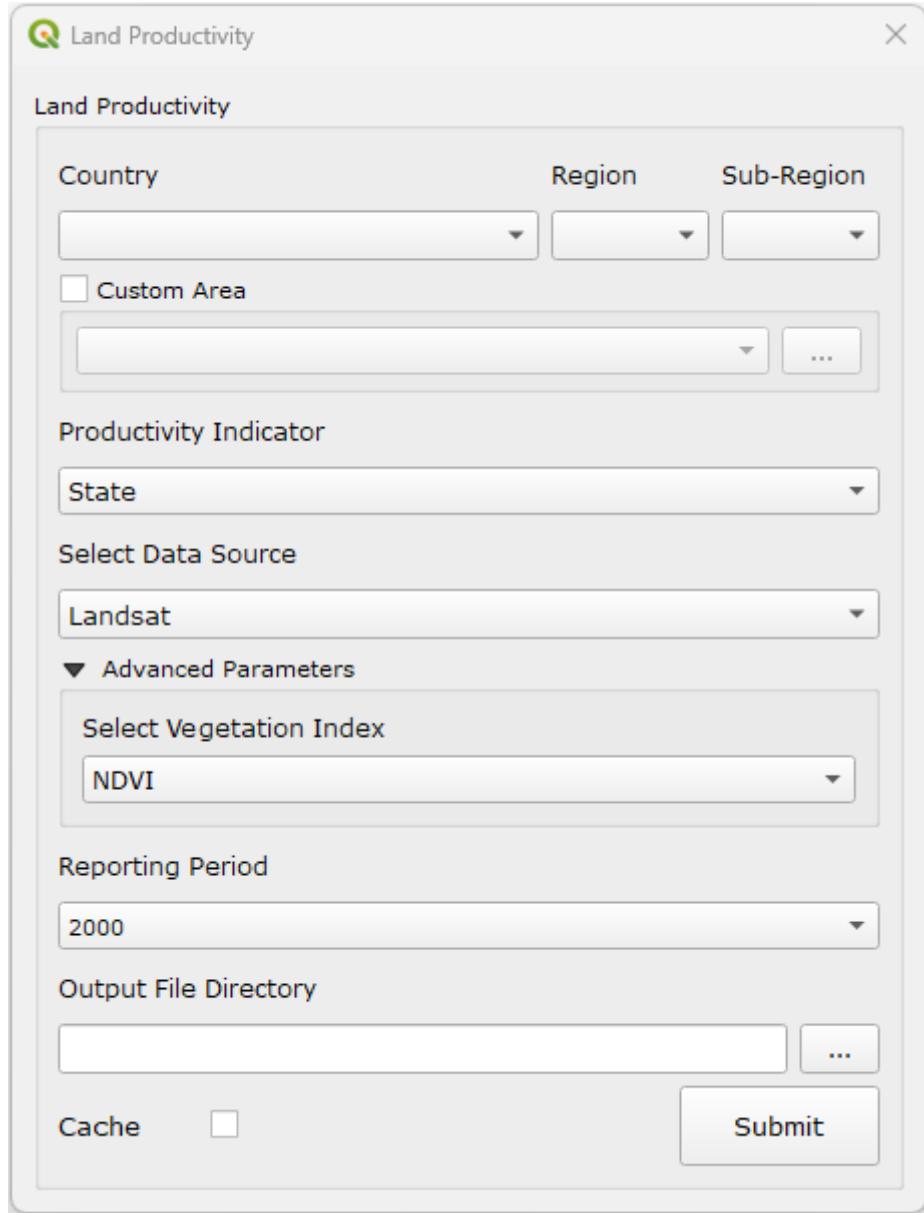
Figure 5: Calculate Dialog

2. From here, click on the Land Degradation Indicator button highlighted in red. This will open the SDG Dialog.



Figure 6: Land Degradation dialog

3. On the dialog click the Land Productivity button highlighted in red to open the Land Productivity Dialog.

*Figure 7: Land Productivity dialog*

4. Under the Productivity Indicator option on the pop-up menu, users can select either of the three land productivity sub-indicators i.e. State, performance, and trajectory or the final aggregated land productivity for their selected area of interest.

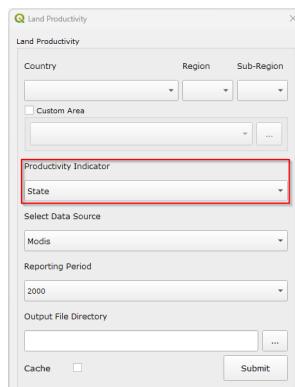


Figure 8: Land Productivity Indicator

Note

MISLAND allows users to assess vegetation using high resolution Landsat derived vegetation indices. If the selection of the data is landsat the option to specify the vegetation index .i.e NDVI, MSAVI or SAVI will appear under the Advanced Parameters option.

Important

Land Productivity Parameters :width: 100%

Parameters	Definition
Productivity Indicator	The Productivity Indicator of choice
Data Source	The data source of choice.
Vegetation Index	Vegetation Index of choice
Reporting year	Year of analysis

- Once the selection of datasets and reporting period is complete click on the Submit button at the bottom of the dialog. The results should be displayed as shown below.

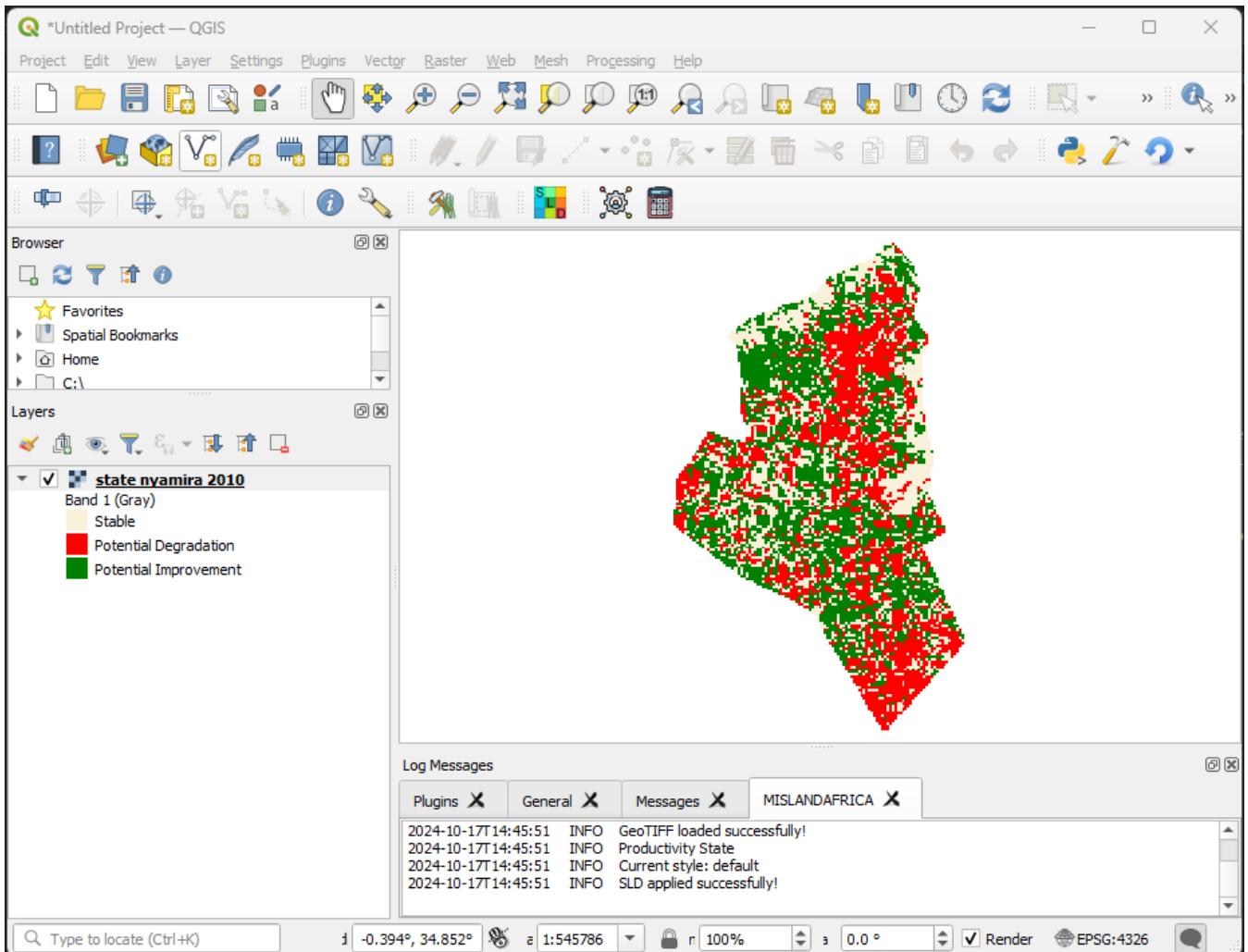


Figure 9: Land Productivity Result

Land Cover and Land Cover Change

Land Cover

1. To start the land cover analysis, click the **calculate** icon highlighted . This will open the **calculate dialog**.

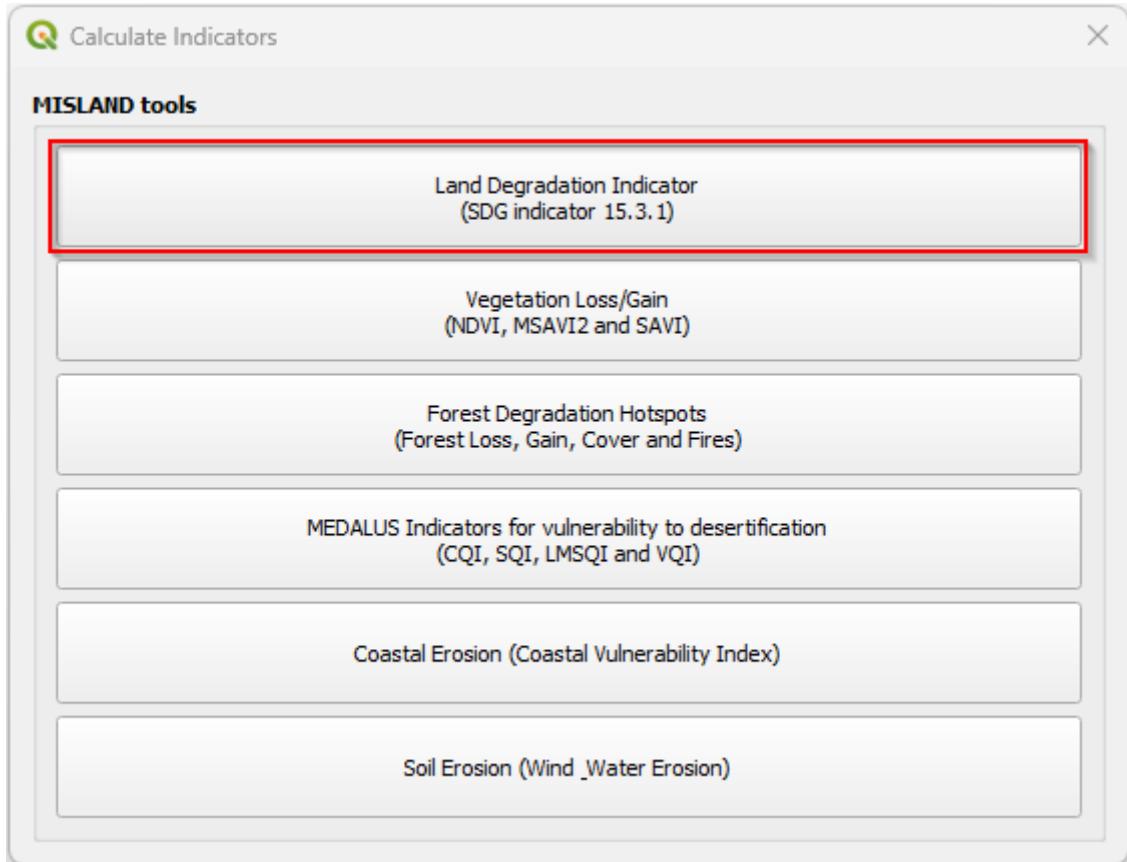


Figure 10: Calculate Dialog

2. From here, click on the **Land Cover Indicator** button highlighted in red. This will open the SDG Dialog.

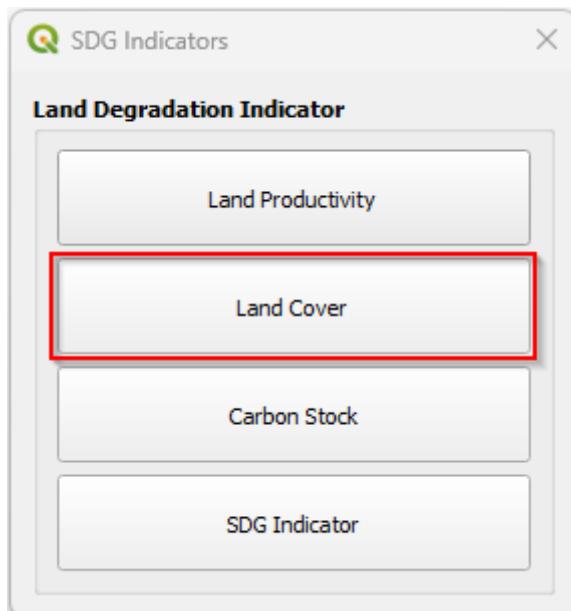


Figure 11: Land Degradation dialog

3. On the dialog, click the Land Cover button highlighted in red. This will open the Land Cover dialog.

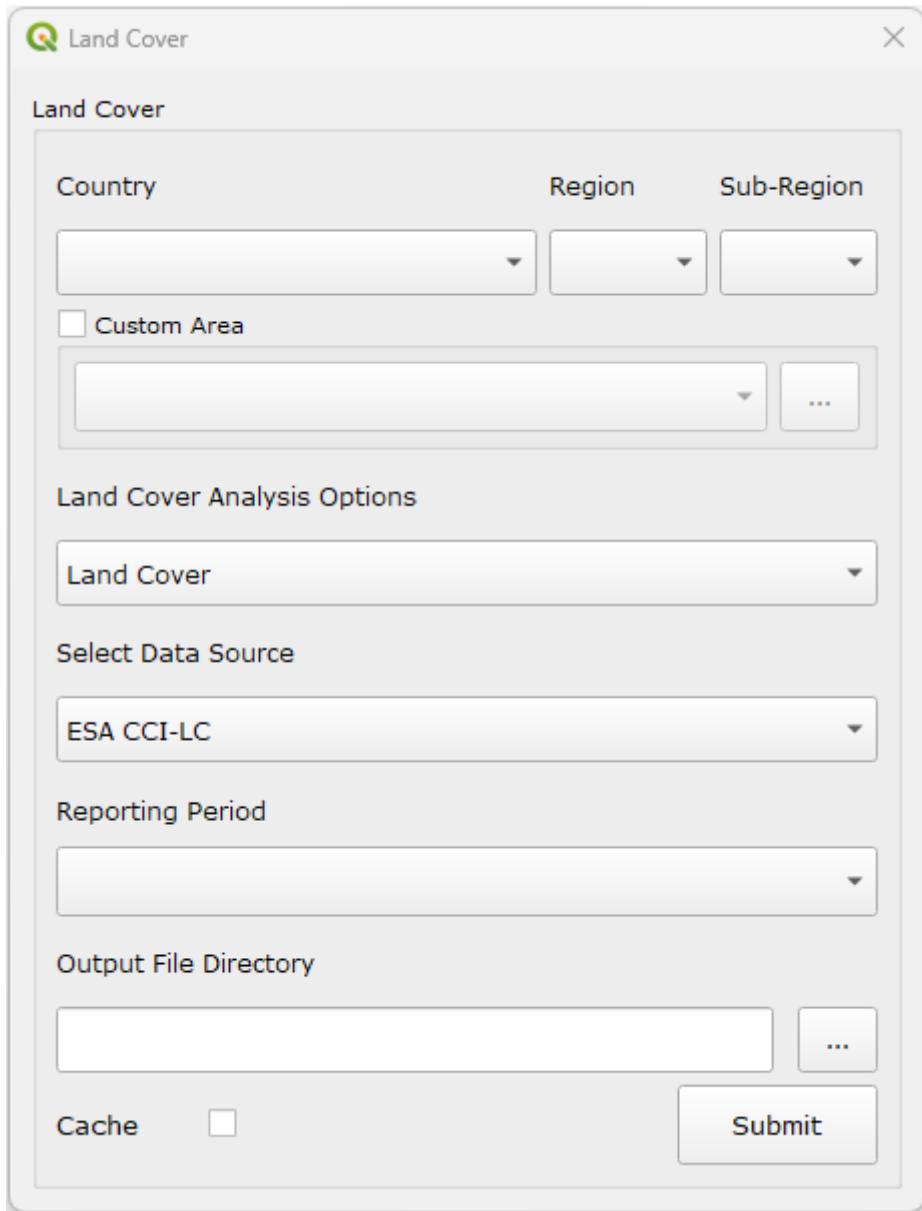


Figure 12: Land Cover Dialog

4. On the Land Cover Analysis Options select **Land Cover**.

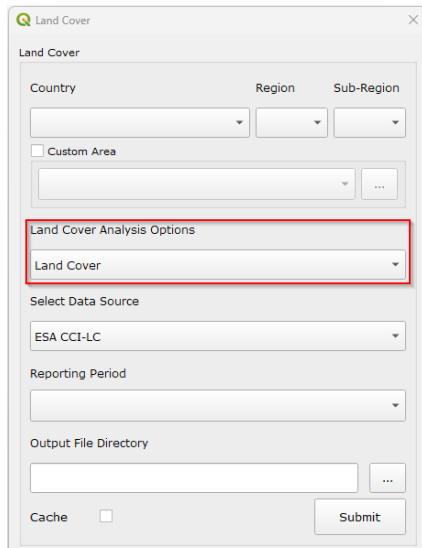


Figure 13: Land Cover Analysis Option

Important	
Land Cover Parameters	
Parameters	Definition
Land Cover Analysis Options	The Land cover analysis option of choice
Data Source	The data source of choice
Reporting period	Year of analysis

5. Provide all other parameters required in the dialog and click Submit. The results should be displayed as shown below.

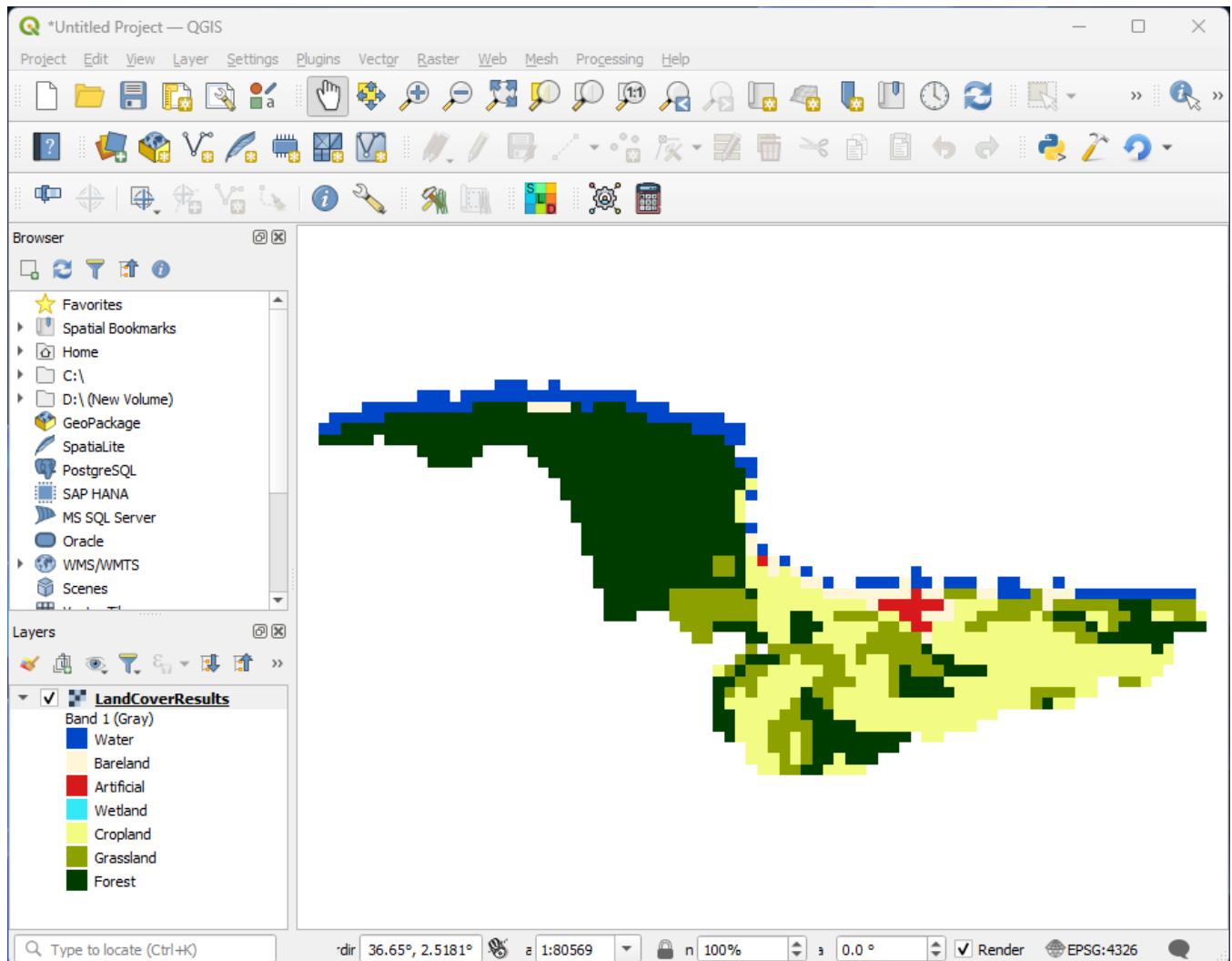


Figure 14: Land Cover Results

Land Cover Change

1. On the Land Cover dialog, select Land Cover Change as the Land Cover Analysis Option. In this section you will have to provide a Start year and an end year.

Figure 15: Land Cover Change Analysis Option

Important

Land Cover Change Parameters

Parameters	Definition
Land Cover Analysis Options	The Land cover analysis option of choice
Data Source	The data source of choice
Start year	Base year/Start year
End year	Comparison year/end year

2. Provide all other parameters required in the dialog and click Submit. The results should be displayed as shown below.

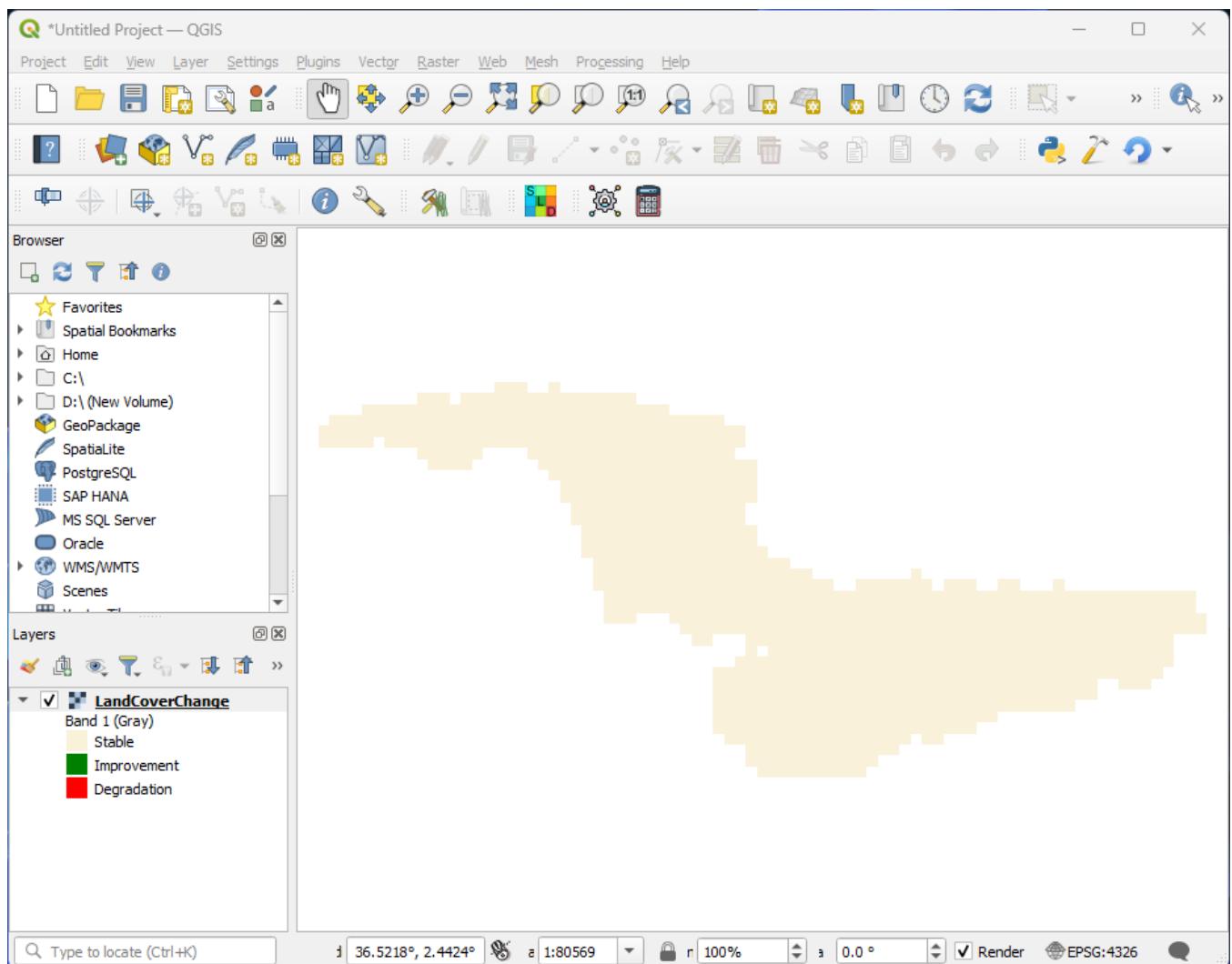


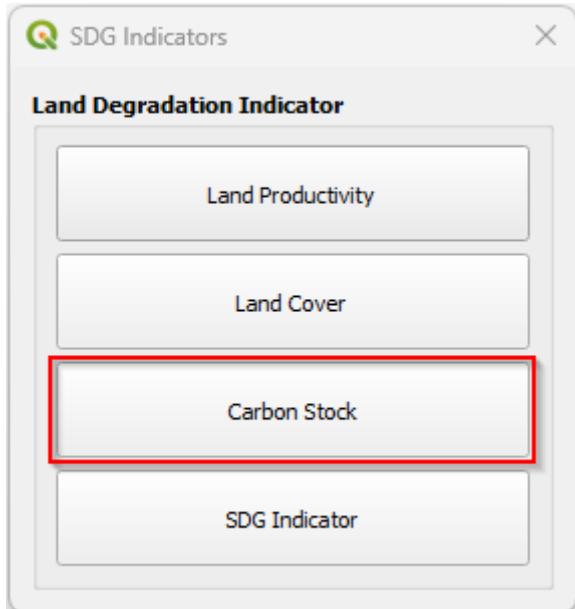
Figure 16: Land Cover Change Results

Carbon Stock

1. To start the carbon stock analysis, click the calculate icon highlighted . This will open the calculate dialog.

Figure 17: Calculate Dialog

2. From here, click on the Carbon Stock button highlighted in red. This will open the Carbon Stock Dialog.

*Figure 18: Land Degradation dialog*

3. Proceed to provide all the required parameters and click Submit to compute Carbon Stock.

A screenshot of the "Carbon Stock" dialog. It includes fields for "Country", "Region", and "Sub-Region" with dropdown menus. There's a checkbox for "Custom Area" and a "Select Data Source" dropdown set to "ESA CCI-LC". A "▼ Advanced Parameters" section contains a "SOC Reference" dropdown set to "2000". The "Reporting Year" is set to "2000". An "Output File Directory" field with a browse button "...". A "Cache" checkbox and a "Submit" button at the bottom right.

Figure 19: Carbon stock dialog

Important

Land Cover Parameters	
Parameters	Definition
Data Source	The data source of choice
SOC reference	Soil Organic Carbon Reference Raster
Reporting period	Year of analysis

4. The result will be as shown below.

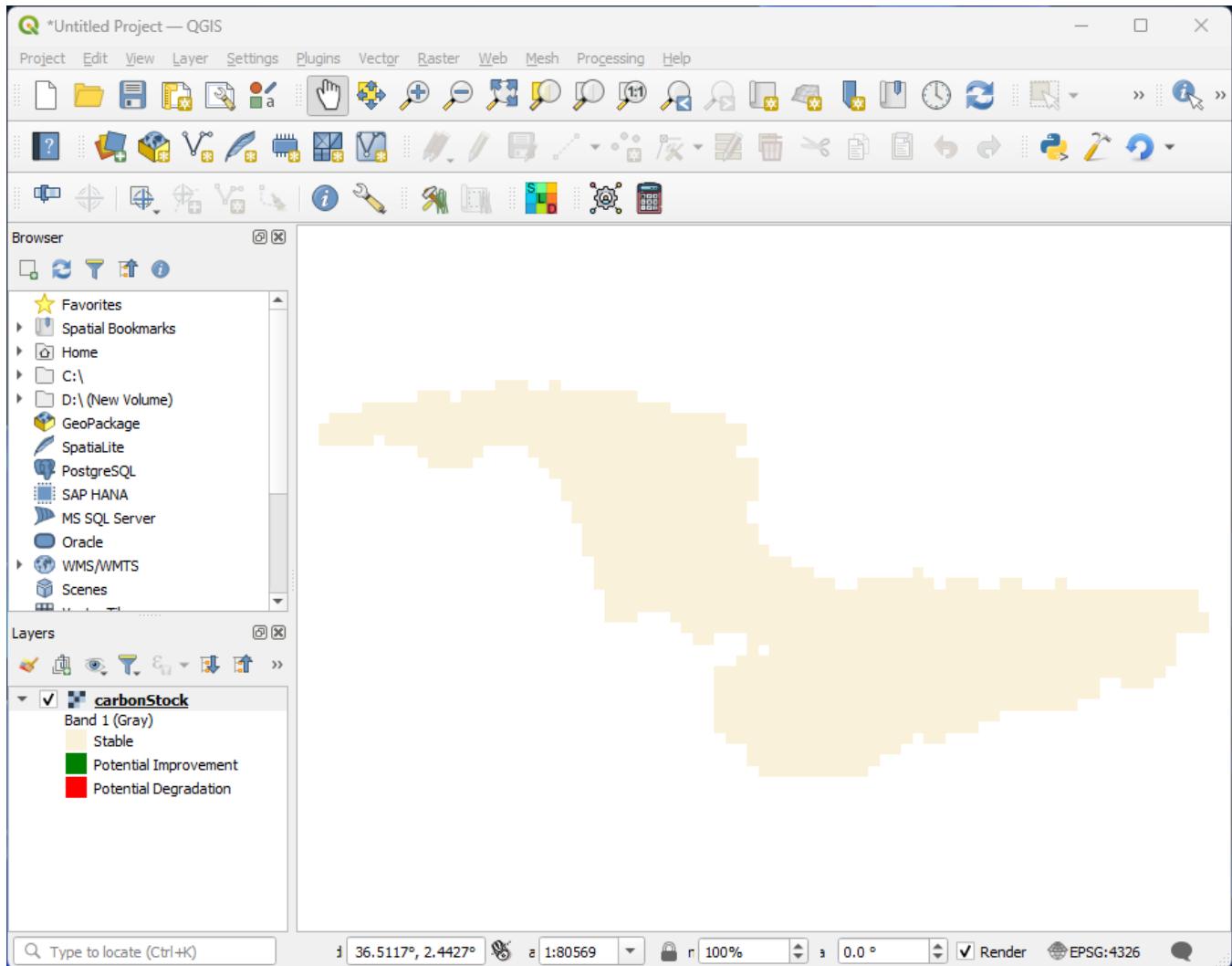


Figure 20: Carbon Stock Results

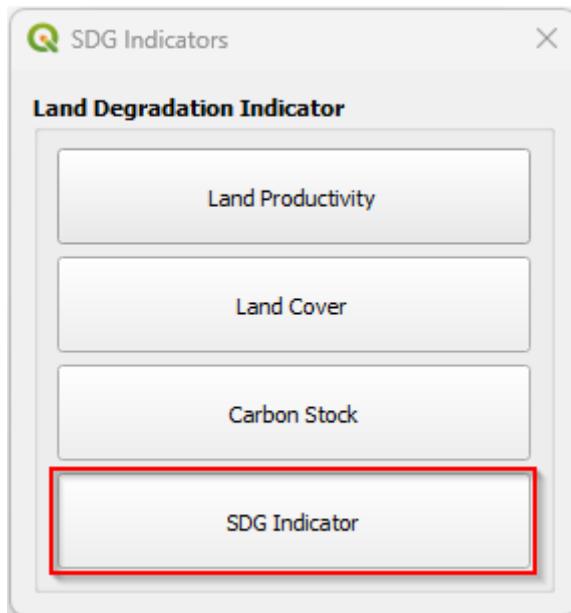
SDG 15.3.1

1. To start the SDG Indicator analysis, click the calculate icon highlighted . This will open the calculate dialog.



Figure 21: Calculate Dialog

2. From here, click on the SDG Indicator button highlighted in red. This will open the SDG Indicator Dialog.

*Figure 22: Land Degradation dialog*

3. Proceed to provide all the parameters as required on the dialog and click Submit.

Country	Region	Sub-Region

Custom Area

Select Data Source: Modis

Advanced Parameters

Select Vegetation Index: NDVI

Ecological Data Source: 2000

SOC Reference: 2000

Reporting Year: 2000

Output File Directory:

Cache

Submit

Figure 23: SDG 15.3.1 dialog

Note

The **Advanced Parameters** section provides more options to select the vegetation index of choice, the ecological unit dataset and the soil organic carbon reference raster.

Important

SDG 15.3.1 Parameters

Parameters	Definition
Data Source	The data source to users
Vegetation index	Vegetation Index of choice
Ecological Data Source	The Ecological Unit dataset
SOC reference	Soil Organic Carbon reference raster
Reporting year	Year of analysis

4. The result will be as shown below.

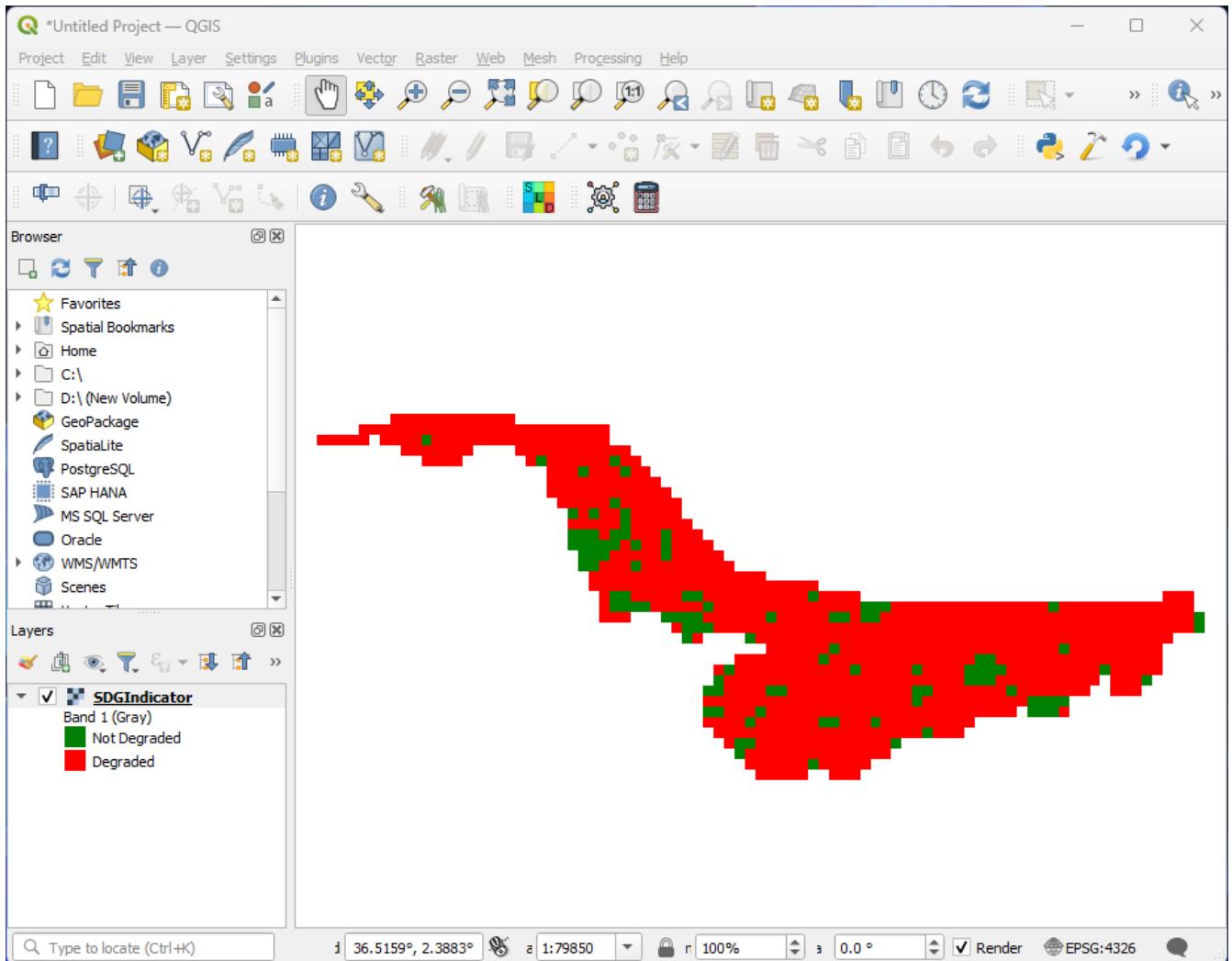


Figure 24: SDG 15.3.1 Results

Vegetation Loss/Gain

1. To start the vegetation degradation analysis, click the **calculate** icon highlighted . This will open the **calculate** dialog.

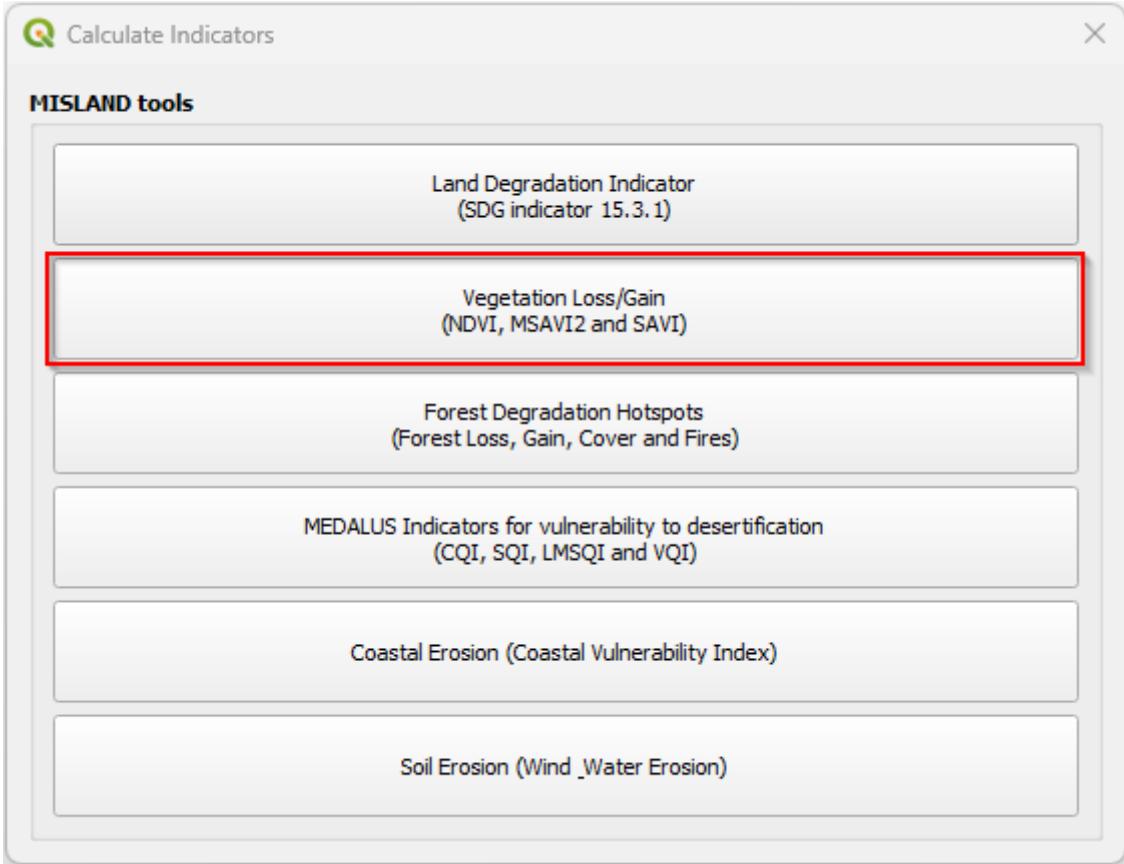


Figure 25: Calculate Dialog

2. From here, click on the Vegetation Loss/Gain button highlighted in red. This will open the Vegetation Loss/Gain Dialog. Provide all parameters as required in the dialog and click Submit.

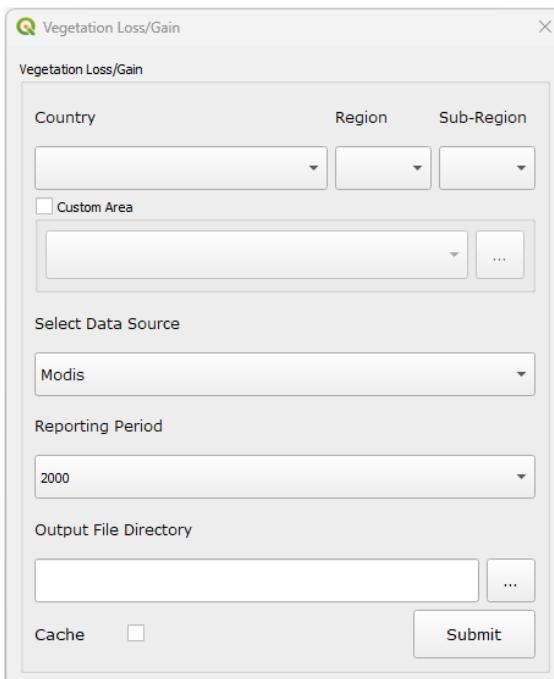
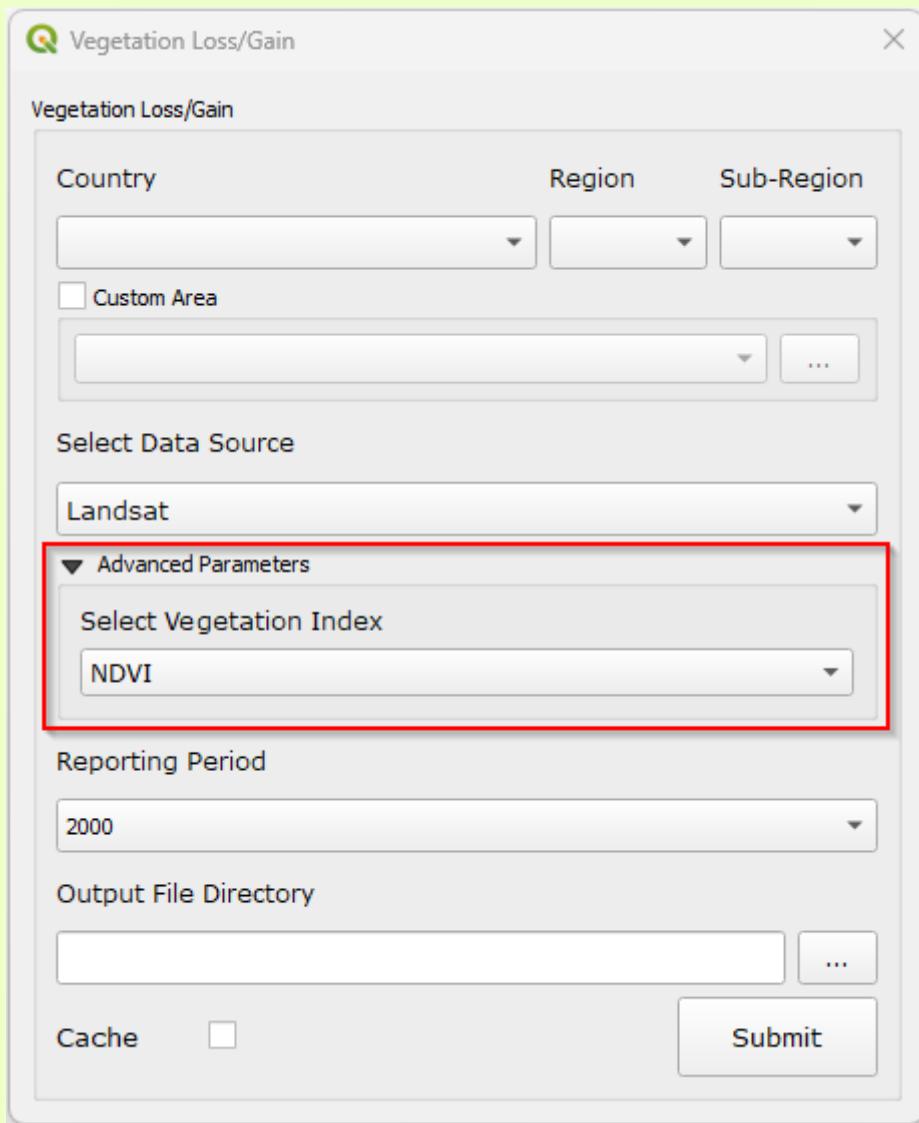


Figure 26: Vegetation Loss/Gain Dialog

Note

MISLAND allows users to assess vegetation using high resolution Landsat derived vegetation indices. If the selection of the data is **Landsat** the option to specify the vegetation index i.e NDVI, MSAVI or SAVI will appear under the Advanced Parameters option.



Important

Vegetation Loss/Gain Parameters

Parameters	Definition
Data Source	The data source to users
Vegetation index	Vegetation Index of choice
Reporting year	Year of analysis

4. The result will be as shown below.

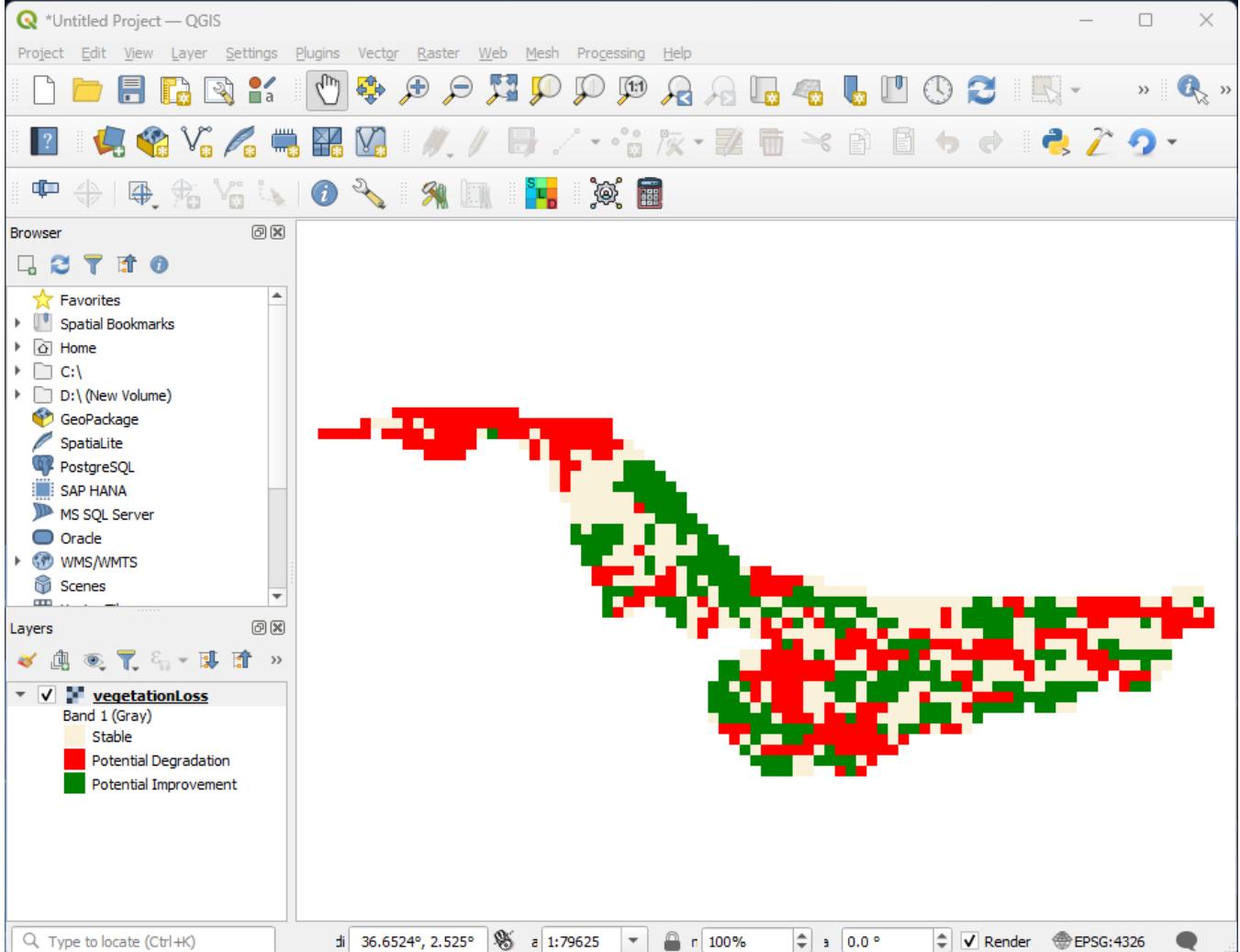


Figure 27: Vegetation Loss/Gain Results

Forest Degradation Monitoring

Forest Loss

1. To start the forest loss analysis, click the **calculate** icon highlighted . This will open the calculate dialog.

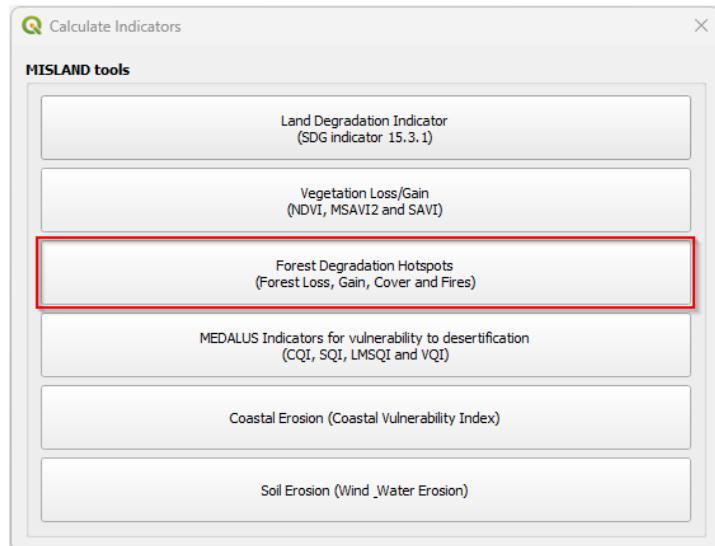
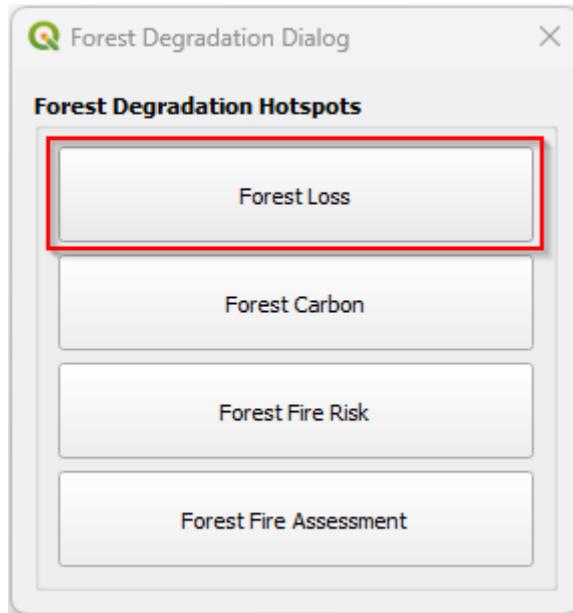


Figure 28: Calculate Dialog

- 2.** Click on the Forest Degradation Hotspots button highlighted in red to open the Forest Degradation Dialog.

*Figure 29: Forest Degradation dialog*

- 3.** Click on the Forest Loss button to open the Forest Loss Dialog. Provide all the parameters as required in the dialog and click Submit.

Figure 30: Forest Loss Dialog

Important

Forest Loss Parameters

Parameters	Definition
Data Source	The data source of choice
Reporting period	Year of analysis

4. The result should be as shown below.

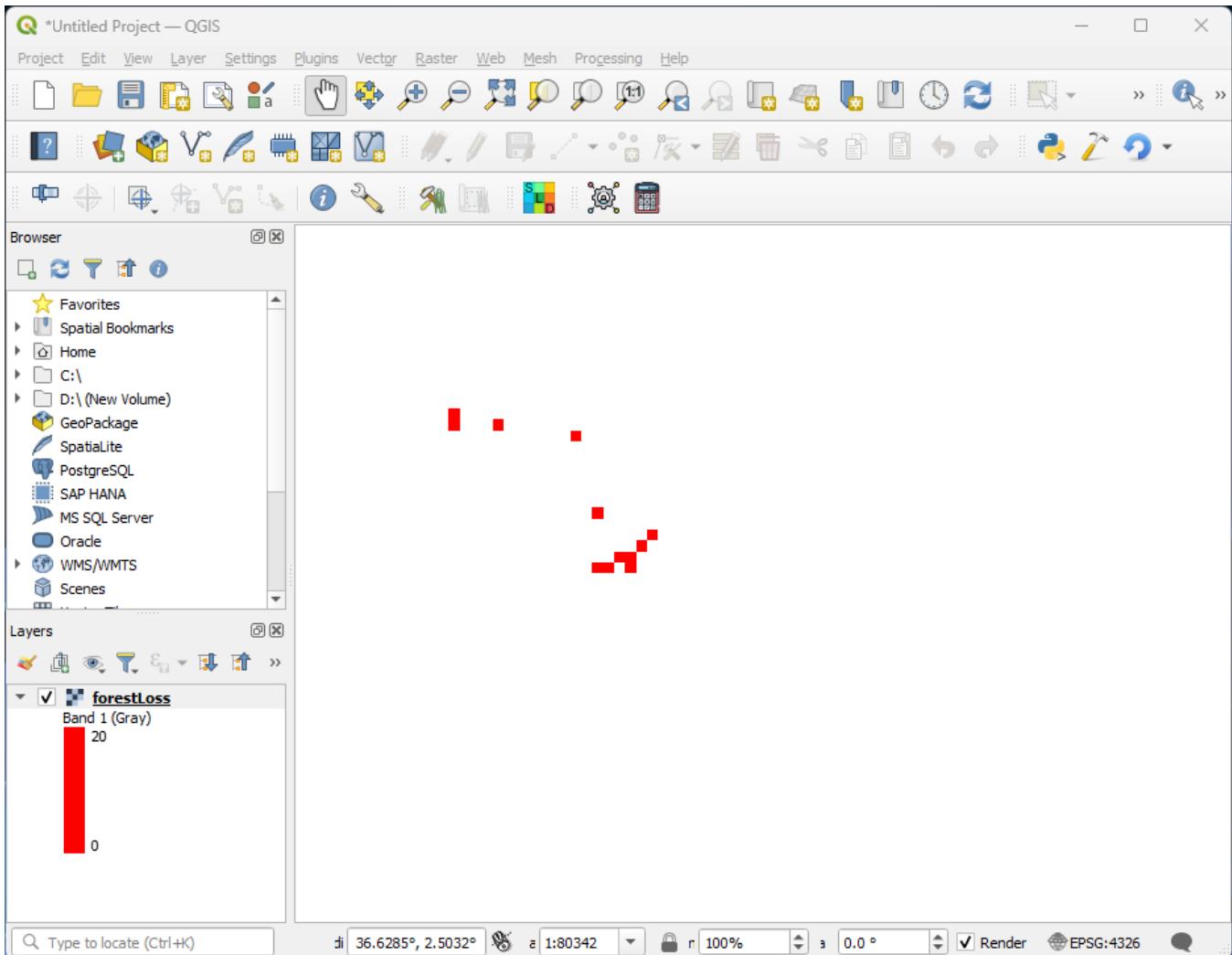


Figure 31: Forest Loss Results

Forest Carbon Emission

1. To start the forest carbon emission analysis, click the **calculate** icon highlighted . This will open the calculate dialog.

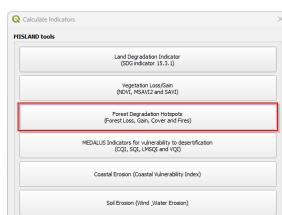
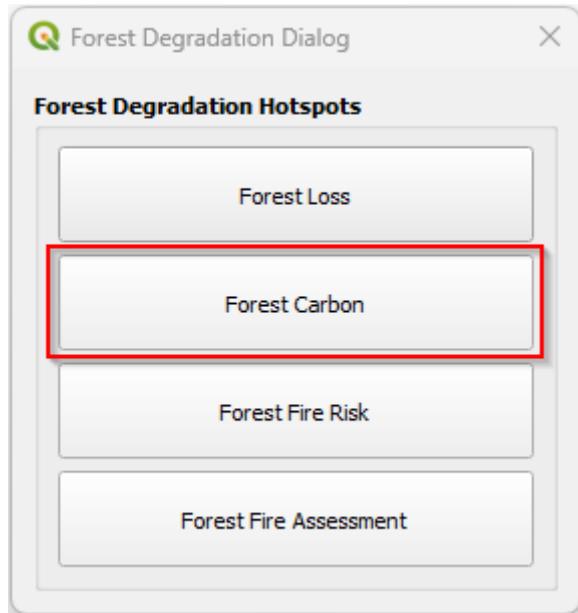


Figure 32: Calculate Dialog

2. Click on the Forest Degradation Hotspots button highlighted in red to open the Forest Degradation Dialog.

*Figure 33: Forest Degradation dialog*

3. Click on the Forest Carbon button to open the Forest Carbon Emission Dialog. Provide all the parameters as required in the dialog and click Submit.

Figure 34: Forest Carbon Emission Dialog

Important

Forest Carbon Emmission Parameters

Parameters	Definition
Tree Cover Loss Data Source	Tree cover loss data source
Select year	Year of analysis
Minimum Forest Unit	Minimum Forest Unit
Tree Cover Threshold	Tree Cover Threshold
Forest Carbon Stock	Forest Carbon Stock
Proportion Emitted by Degradation	Proportion Emitted by Degradation in percentage(%)

4. The result should be as shown below.

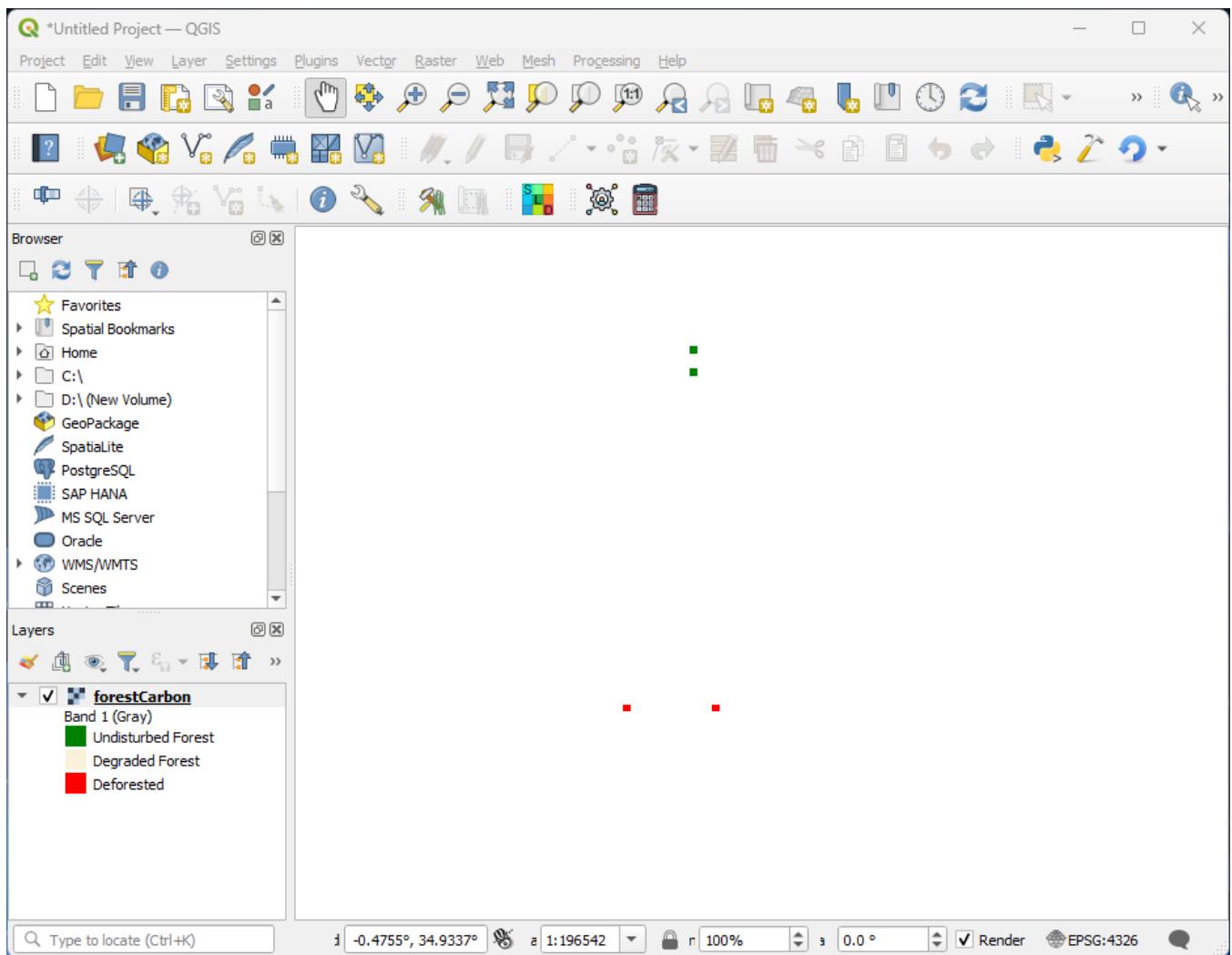


Figure 35: Forest Carbon Emission Results

Forest Fire Risk

1. To start the forest fire risk analysis, click the **calculate** icon highlighted  This will open the calculate dialog.

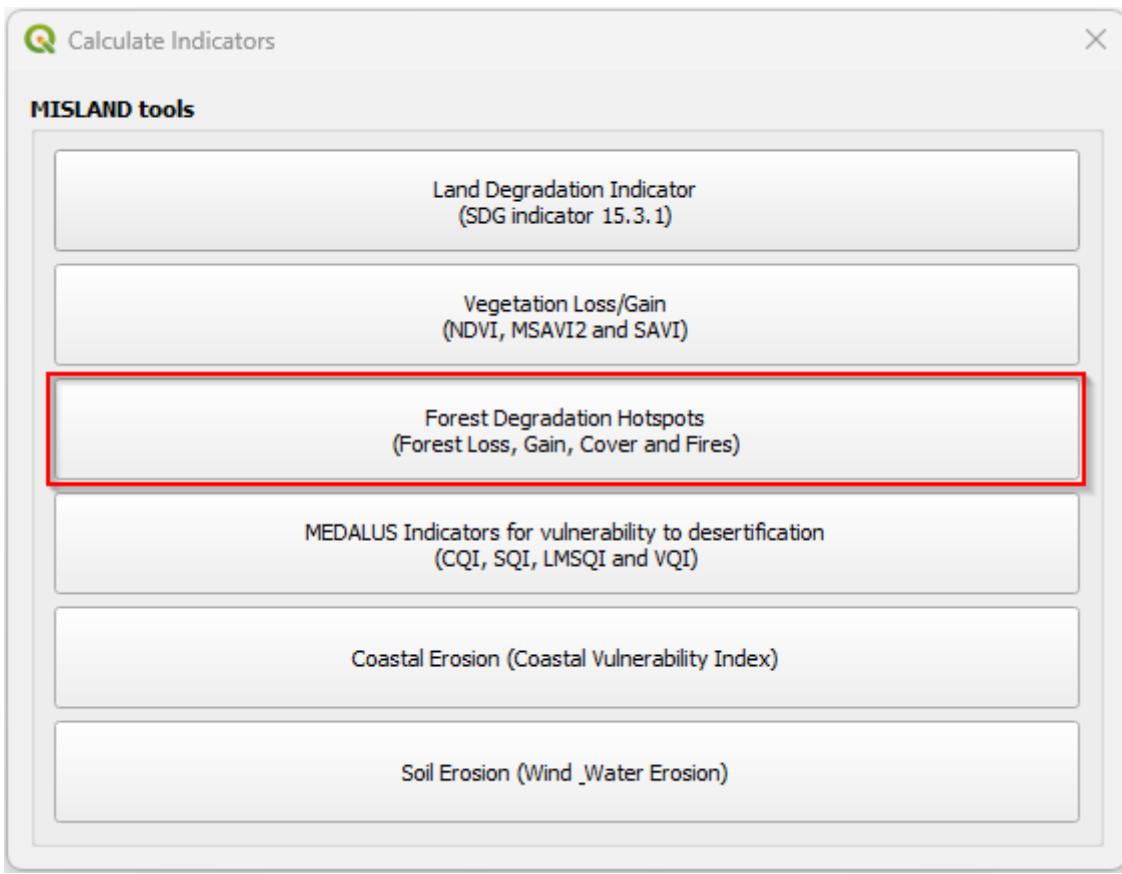


Figure 36: Calculate Dialog

2. Click on the Forest Degradation Hotspots button highlighted in red to open the Forest Degradation Dialog.

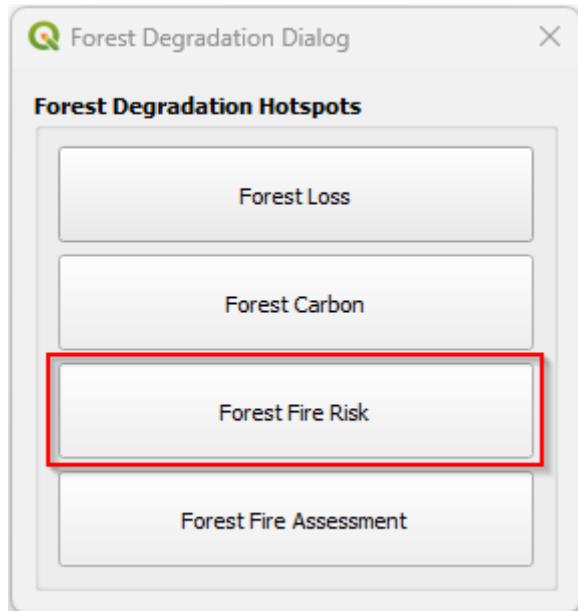


Figure 37: Forest Degradation dialog

3. Click on the Forest Fire Risk button to open the Forest Fire Risk Dialog. Provide all the parameters as required in the dialog and click Submit.



Figure 38: Forest Fire Risk Dialog

Important

Forest Carbon Emmission Parameters

Parameters	Definition
Start Date	Start Date
End Date	End Date

4. The result should be as shown below.

Forest Fire Assessment

1. To start the forest fire assessment analysis, click the **calculate** icon highlighted . This will open the calculate dialog.

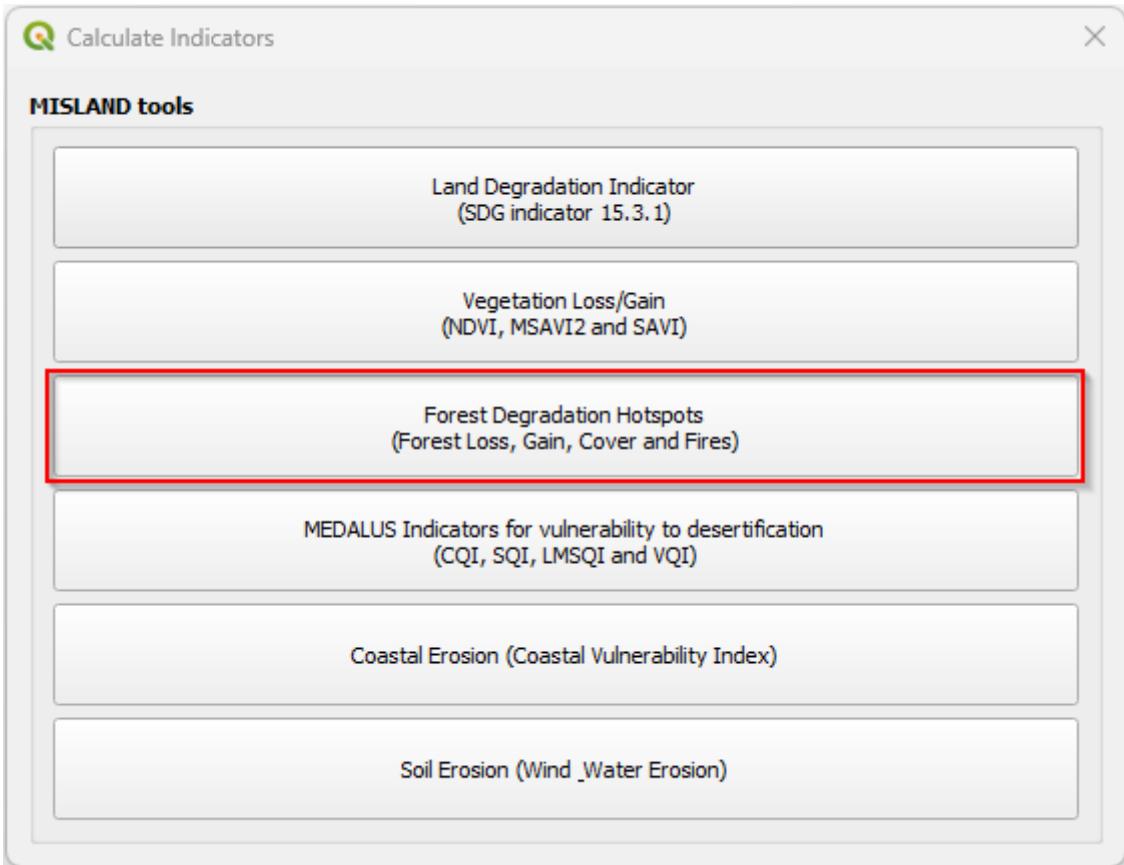


Figure 40: Calculate Dialog

2. Click on the Forest Degradation Hotspots button highlighted in red to open the Forest Degradation Dialog.

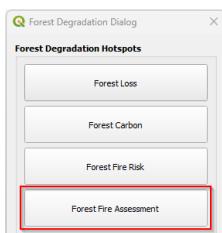
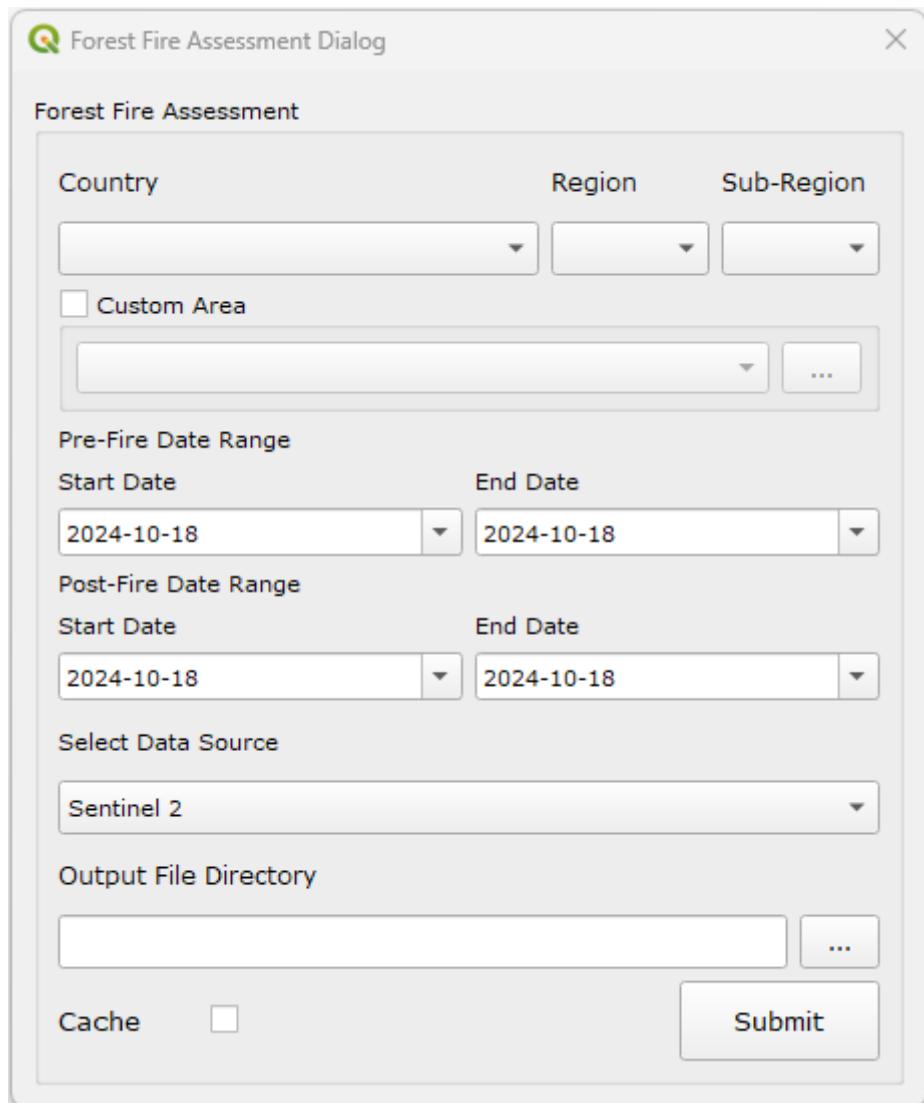


Figure 41: Forest Degradation dialog

- 3.** Click on the Forest Fire Assessment button to open the Forest Fire Assessment Dialog. Provide all the parameters as required in the dialog and click Submit.

*Figure 42: Forest Fire Assessment Dialog*

Important

Forest Carbon Emission Parameters

Parameters	Definition
Pre-Fire Date Range	The date range before the fire happened
Post-Fire Date Range	The date range after the fire happened

- 4.** The result should be as shown below.

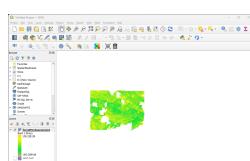


Figure 43: Forest Fire Assessment Results

Mediterranean Desertification and Land Use (MEDALUS)

- To start the MEDALUS Desetification analysis, click the **calculate** icon highlighted . This will open the **calculate** dialog.

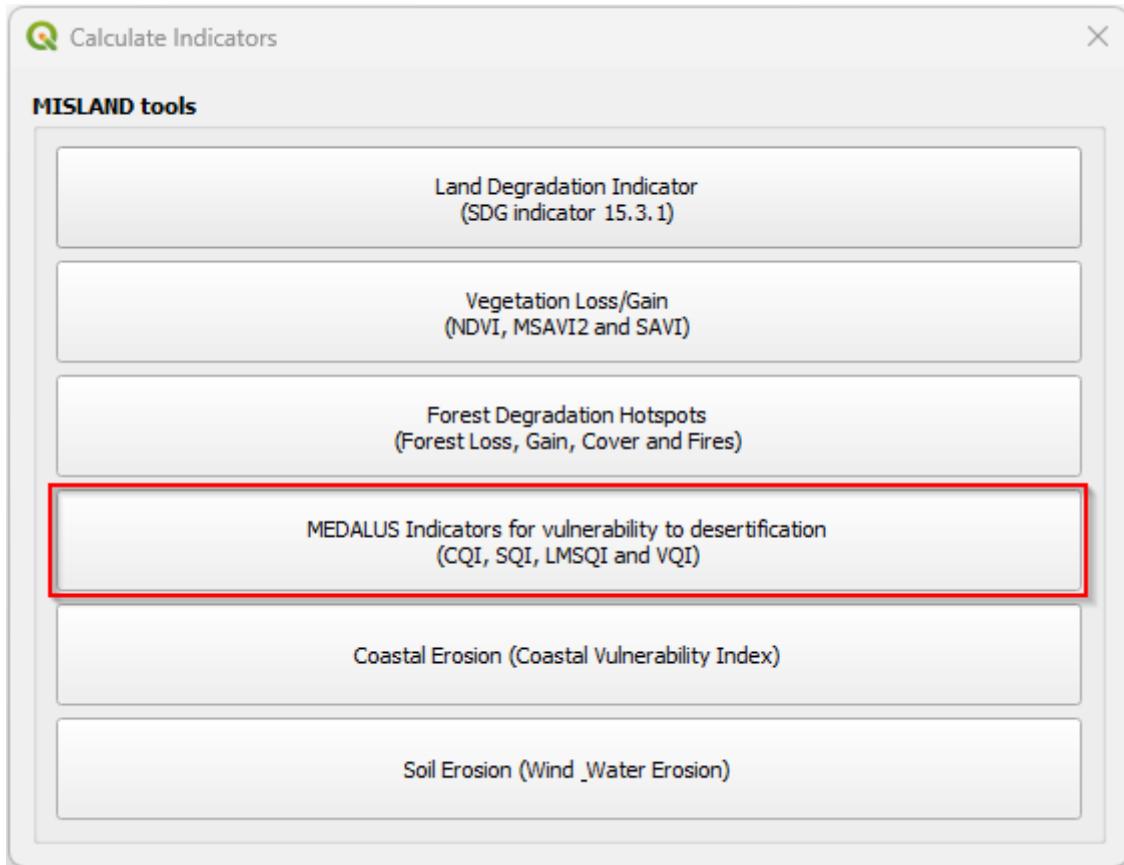


Figure 44: Calculate Dialog

- From here, click on the MEDALUS button highlighted in red. This will open the MEDALUS Desertification Dialog. Provide all parameters as required in the dialog and click Submit.

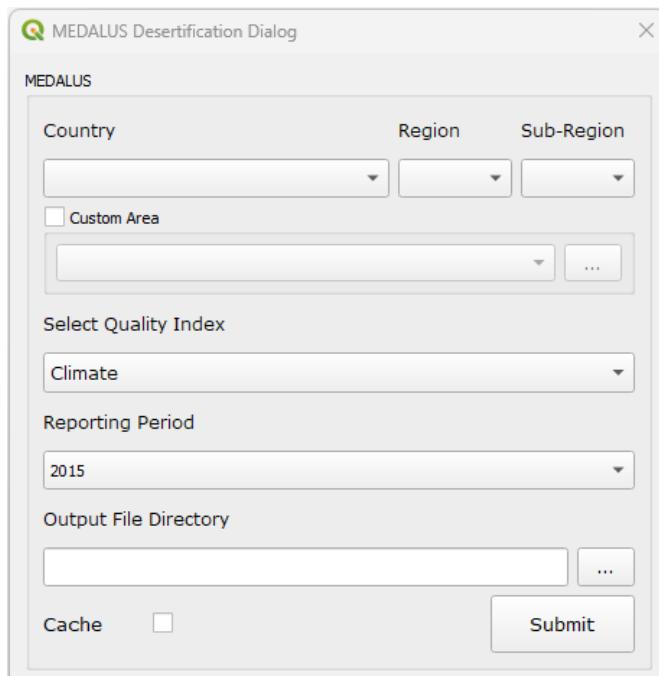


Figure 45: MEDALUS Desertification Dialog

Important

MEDALUS Desertification Parameters

Parameters	Definition
Quality Index	The Desertification Quality Index
Reporting period	Year of analysis

4. The result will be as shown below.

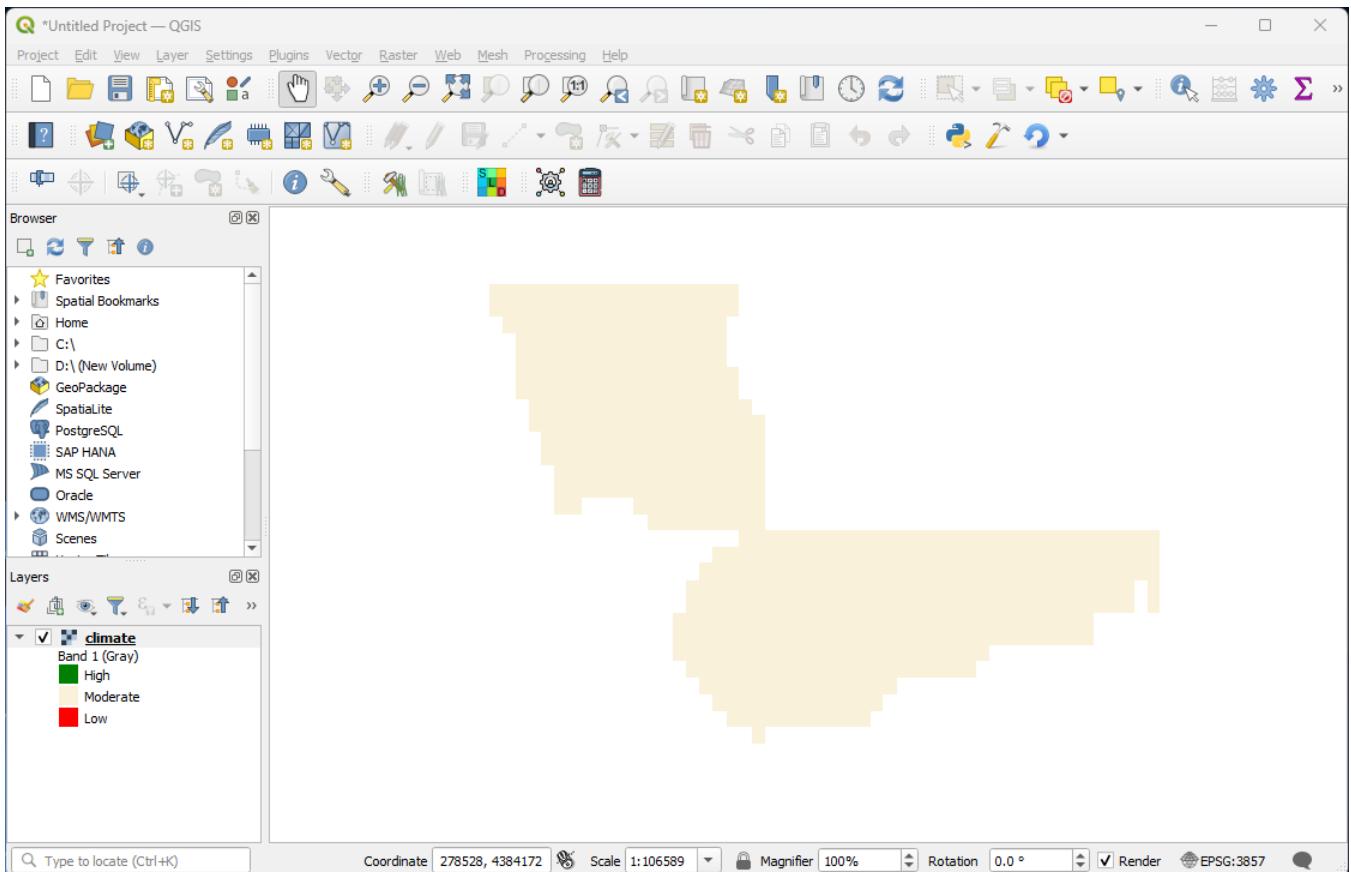


Figure 46: MEDALUS Results

Soil Erosion

Water Erosion (RUSLE Model)

1. To start the water erosion analysis, click the calculate icon highlighted . This will open the calculate dialog.

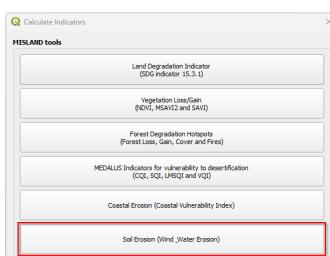
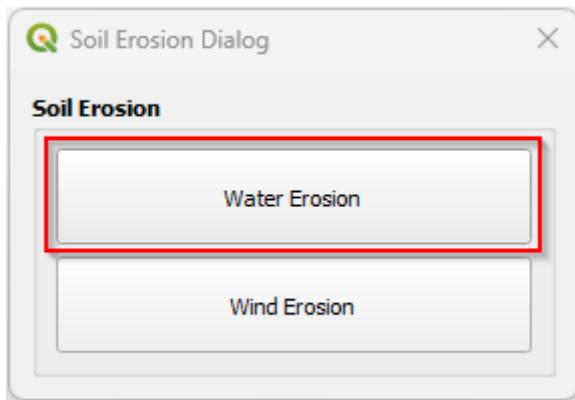


Figure 47: Calculate Dialog

2. Click on the Soil Erosion button highlighted in red to open the Soil Erosion Dialog.

*Figure 48: Soil Erosion Dialog*

3. Click on the Water Erosion button to open the Water Erosion Dialog. Provide all the parameters as required in the dialog and click Submit.

Country	Region	Sub-Region
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/> Custom Area	<input type="text"/> ...	
Water Erosion Factor		
<input type="text"/> Rainfall Erosivity		
Reporting Period		
<input type="text"/> 2015		
Output File Directory		
<input type="text"/> ...		
Cache	<input type="checkbox"/>	<input type="button" value="Submit"/>

Figure 49: Water Erosion Dialog

Important

Water Erosion Parameters

Parameters	Definition
------------	------------

Water Erosion Factor	Water Erosion Factor
Reporting Period	Year of analysis

4. The result should be as shown below.

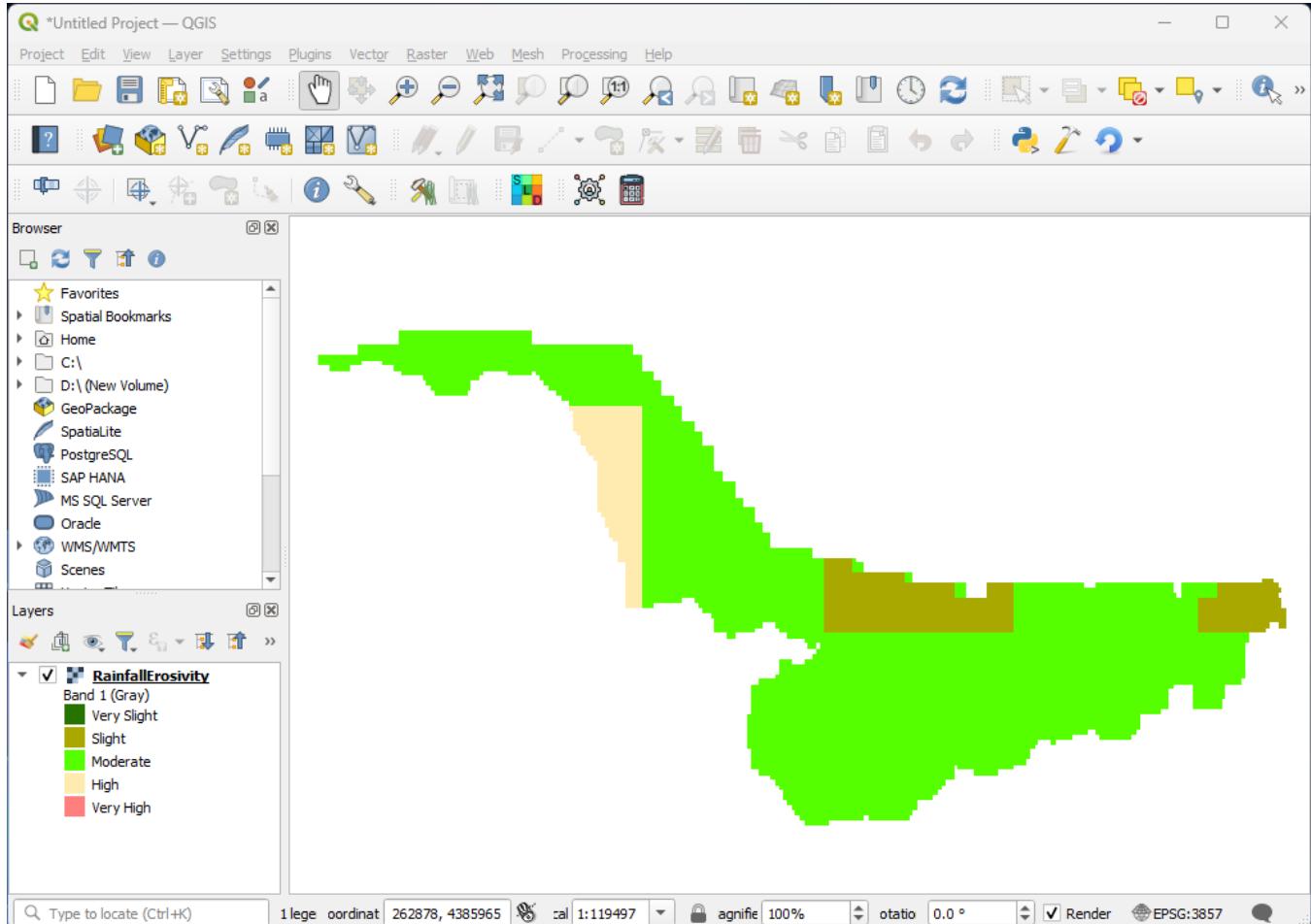


Figure 50: Water Erosion Results

Wind Erosion (ILSWE)

1. To start the wind erosion analysis, click the calculate icon highlighted . This will open the calculate dialog.

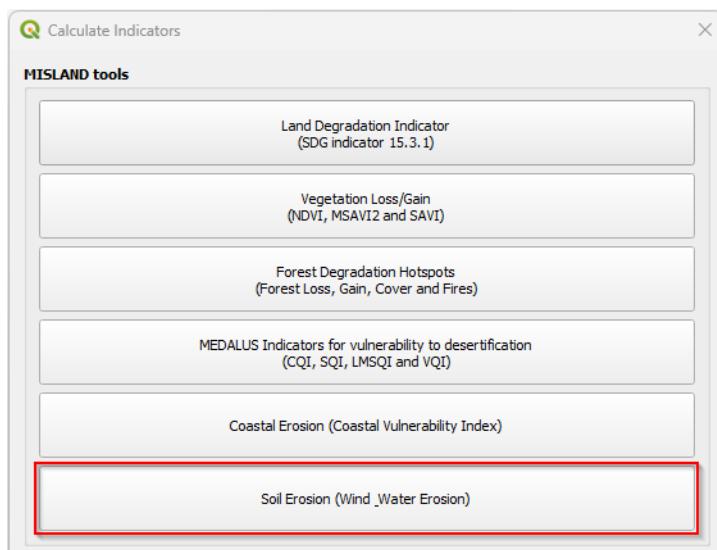
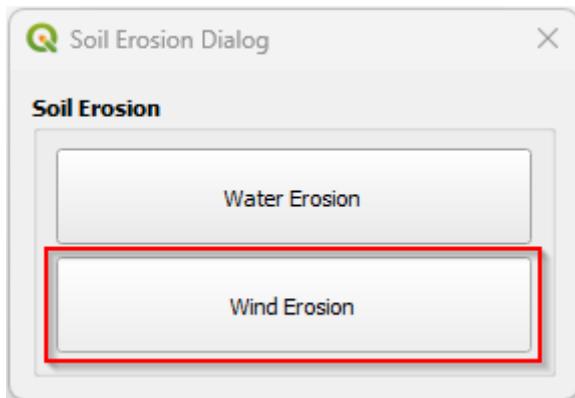


Figure 51: Calculate Dialog

- 2.** Click on the Soil Erosion button highlighted in red to open the Soil Erosion Dialog.

*Figure 52: Soil Erosion Dialog*

- 3.** Click on the Wind Erosion button to open the Wind Erosion Dialog. Provide all the parameters as required in the dialog and click Submit.

 A screenshot of the 'Wind Erosion Dialog' window. The title bar shows the window icon and a close button. The main area is titled 'Wind Erosion'. It contains several input fields and dropdown menus:

- Country:** A dropdown menu with a dropdown arrow.
- Region:** A dropdown menu with a dropdown arrow.
- Sub-Region:** A dropdown menu with a dropdown arrow.
- Custom Area:** A checkbox labeled 'Custom Area' with an unchecked square.
- Wind Erosion Sensitivity Maps:** A dropdown menu with a dropdown arrow.
- Climate Erosivity:** A dropdown menu with a dropdown arrow.
- Reporting Period:** A dropdown menu with a dropdown arrow, currently showing '2015'.
- Output File Directory:** An input field with a browse button (ellipsis) and a clear button (trash can).
- Cache:** A checkbox labeled 'Cache' with an unchecked square.
- Submit:** A button labeled 'Submit'.

Figure 53: Wind Erosion Dialog

Important

Wind Erosion Parameters

Parameters	Definition
------------	------------

Water Erosion Sensitivity Maps	Water Erosion Sensitivity maps
Reporting Period	Year of analysis

4. The result should be as shown below.

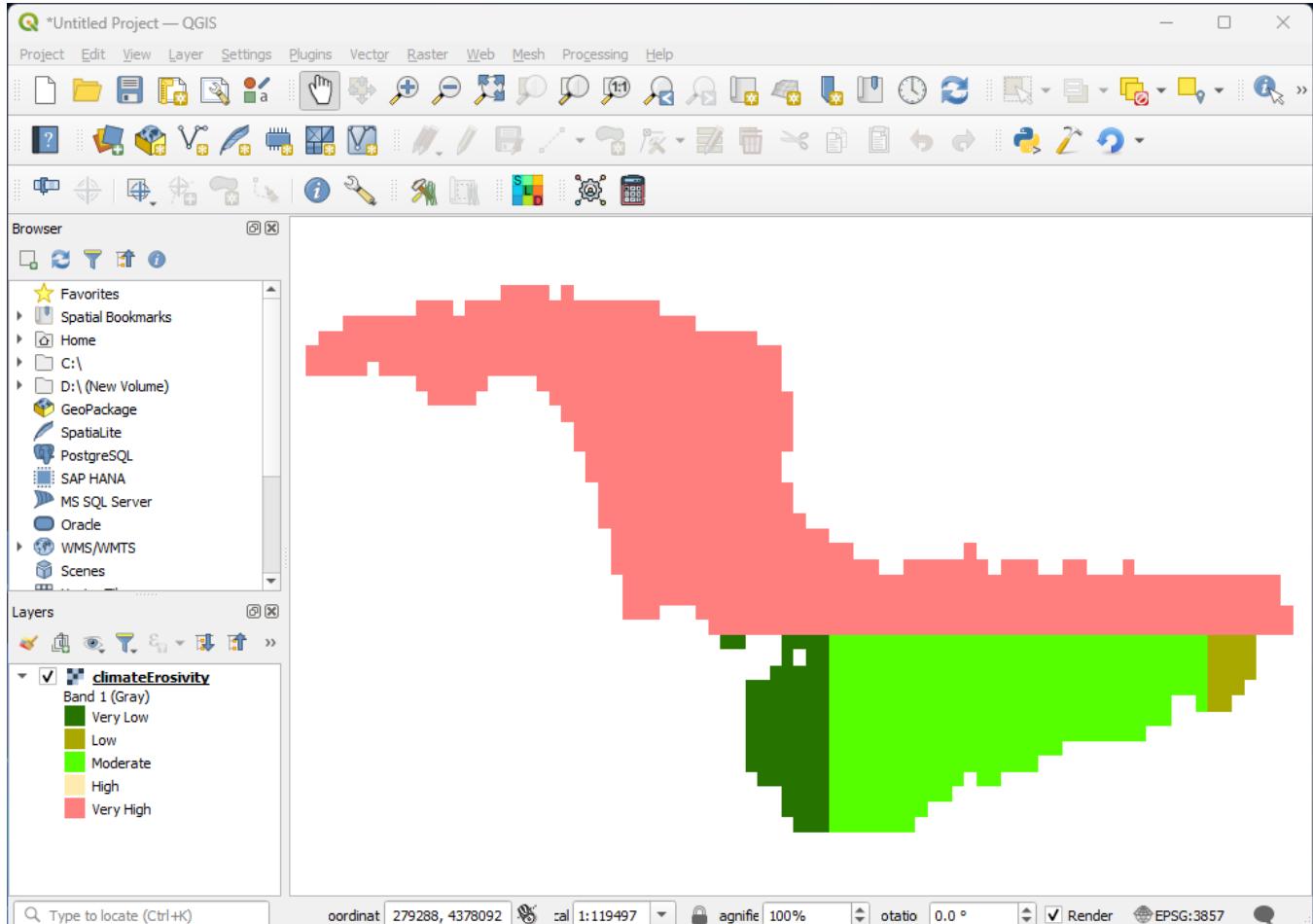


Figure 54: Wind Erosion Results

Coastal Vulnerability Index

1. To start the coastal erosion analysis, click the calculate icon highlighted . This will open the calculate dialog.

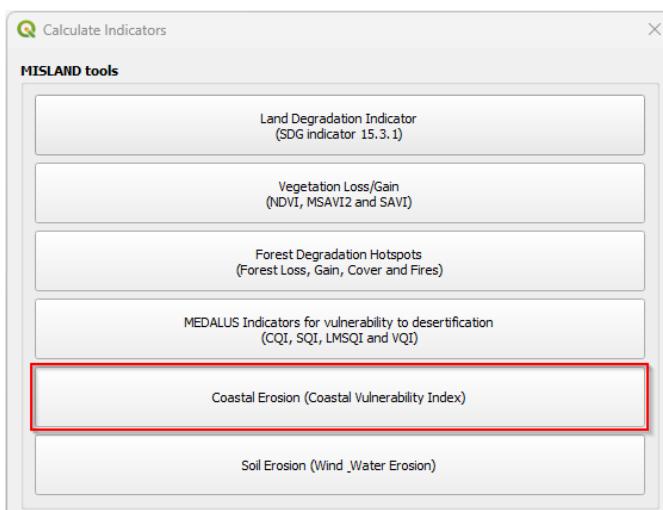


Figure 55: Calculate Dialog

2. From here, click on the Coastal Erosion button highlighted in red. This will open the Coastal Erosion Dialog. Provide all parameters as required in the dialog and click Submit.

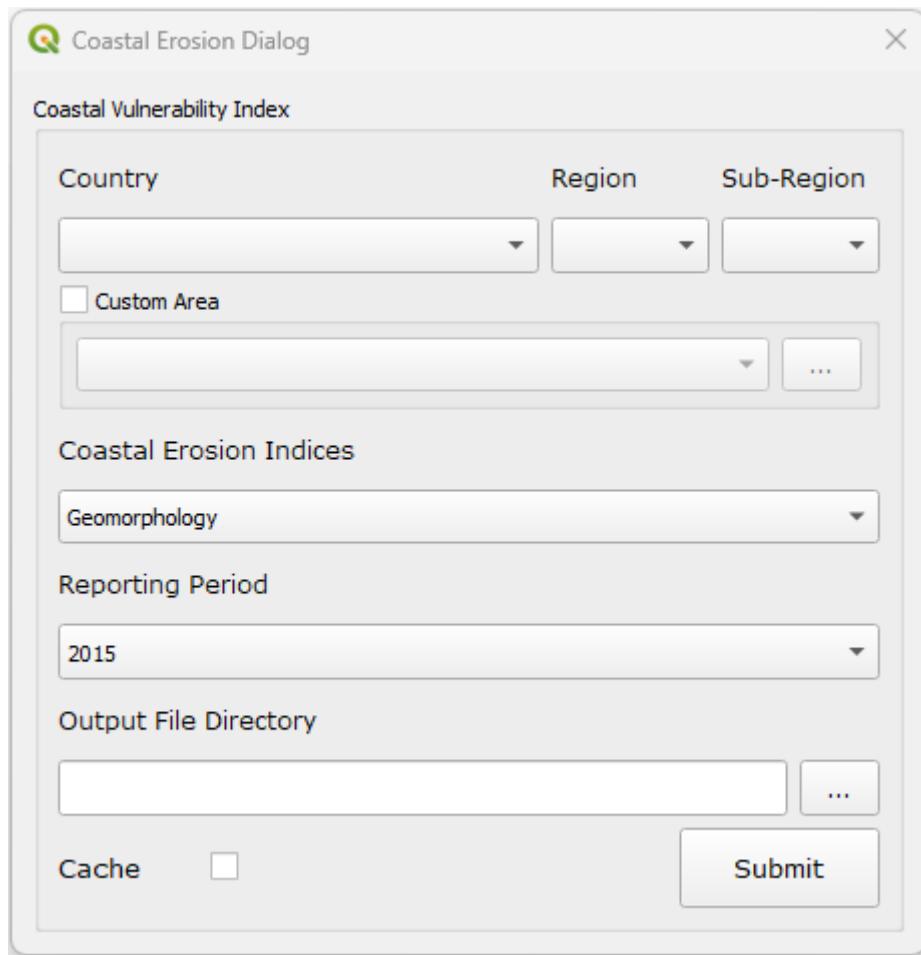


Figure 56: Coastal Erosion Dialog

Important

Coastal Erosion Parameters

Parameters	Definition
Coastal Erosion Indices	Coastal Erosion Indices
Reporting period	Year of analysis

4. The result will be as shown below.

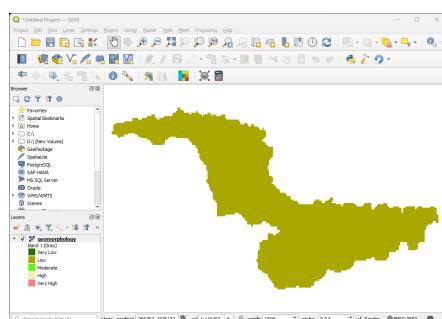


Figure 57: Coastal Erosion Results

Mobile Application

User Management

Like the plugin, the mobile app is free to use, but you should register an email address to facilitate computation of large areas as the results may have to be sent to the email address. However, a guest mode is provided for those who wish to explore the app without registering or logging in.



Splash Screen

Guest mode

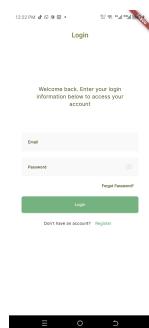
To proceed with guest mode click Use as guest to open the dashboard without logging in or registering.

Note

For large-area calculation, you will be required to login so that results can be sent to your email.

Login

To login, click I have an account on the splash screen to proceed to the login page. Provide your email and password to proceed to the dashboard. If you have previously visited the [Misland Geoportal](#), or the QGIS plugin, use the same credentials to login.



Login

Registration

To register an account, click Get started to open the registration page. Provide all the required details and click Next to proceed to the password page. Fill in your password and click Create account. A verification email will be sent to your email from where you can login and proceed to the dashboard.

Note

The account created here can be used both on the QGIS Plugin and the [Misland Geoportal](#).

Password Retrieval

To retrieve your account, follow the following procedure.

1. On the login page, click the `Forgot Password` text button to open the password reset page.
2. Provide your email and click `Reset Password`. A verification email with a guide on how to reset your account will be sent to your email.

Dashboard

Tutorial

To see what each button on the dashboard does, click the `Tutorials` button . This will change the dashboard's mode to tutorials mode labelling all buttons with what they do.

Selecting an Area of Interest

To select an area of interest, click the `Select Location` button . This will open a dialog from where you can select a country, region and subregion.

Drawing a Custom Area of Interest

To draw a custom area of interest, follow the procedure below.

1. Click the `Custom Draw` button .
2. Click the `Draw Polygon` button  to activate drawing mode.
3. Tap on the dashboard and a polygon will be drawn automatically with the vertices being the points you tapped on the screen.



Dashboard with custom AOI

Note

To erase the polygon, click the `Erase` button  and the polygon will be erased automatically. A minimum of three points is required to create a polygon.

Selecting an indicator

To select a layer, click the `Indicators` button  to open the indicators dialog.

Indicators Dialog

Note

An area of interest must be selected before selecting an indicator.

Visualizing statistics

To visualize statistics, click the Statistics button  to open the statistics dialog.



Statistics dialog

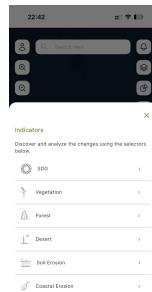
Note

An indicator must have been selected before visualizing the statistics.

SDG 15.3.1

Land Productivity

1. To start the Land Productivity analysis, click the Indicators button  to open the indicators dialog.



Indicators dialog

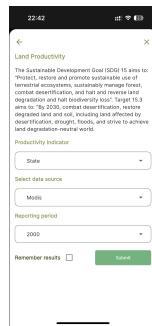
2. Click the SDG button to open the SDG Indicators dialog.



Mobile Application

SDG Indicators dialog

- 3 . Click the Land Productivity button to open the Land Productivity dialog.



Land Productivity dialog

- 4 . Provide all the required details on the dialog and click submit.



Sample Land Productivity Result

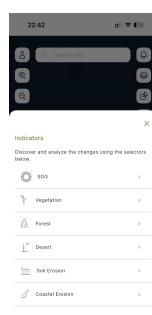
- 5 . Visualize statistics on the dashboard by clicking the Statistics button



Sample Land Productivity Statistics

Land Cover

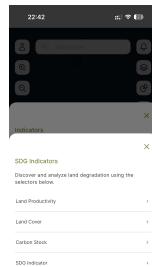
- 1 . To start the Land Cover analysis, click the Indicators button



Indicators dialog

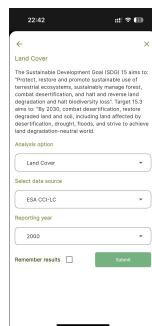
Mobile Application

- 2 . Click the SDG button to open the SDG Indicators dialog.



SDG Indicators dialog

- 3 . Click the Land Cover button to open the Land Cover dialog.



Land Cover dialog

- 4 . Provide all the required details on the dialog and click submit.



Sample Land Cover Result

- 5 . Visualize statistics on the dashboard by clicking the Statistics button



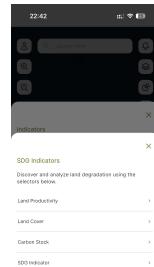
Sample Land Cover Statistics

Carbon Stock

- 1 . To start the Carbon Stock analysis, click the Indicators button to open the indicators dialog.

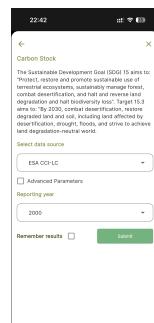
Indicators dialog

- Click the SDG button to open the SDG Indicators dialog.



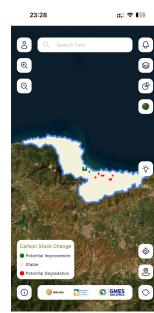
SDG Indicators dialog

- Click the Carbon Stock button to open the Carbon Stock dialog.



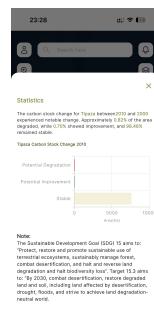
Carbon Stock dialog

- Provide all the required details on the dialog and click submit.



Sample Carbon Stock Result

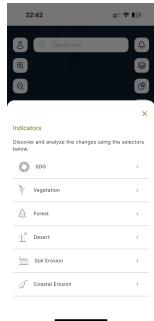
- Visualize statistics on the dashboard by clicking the Statistics button



Sample Carbon stock statistics

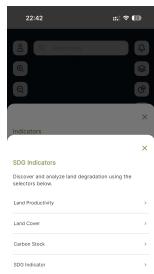
SDG 15.3.1

- To start the SDG 15.3.1 analysis, click the Indicators button  to open the indicators dialog.



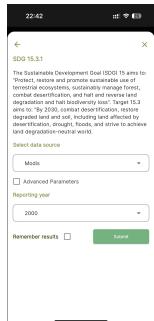
Indicators dialog

- Click the SDG button to open the SDG Indicators dialog.



SDG Indicators dialog

- Click the SDG Indicator button to open the SDG 15.3.1 dialog.



SDG 15.3.1 dialog

- Provide all the required details on the dialog and click submit.



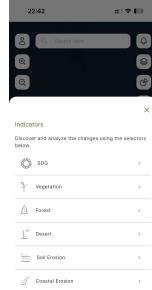
Sample SDG 15.3.1 Result

- Visualize statistics on the dashboard by clicking the Statistics button .

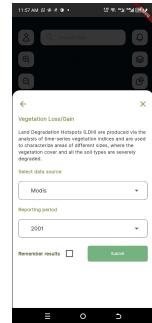


*Sample SDG 15.3.1 Statistics***Vegetation****Vegetation Loss/Gain**

- To start the vegetation loss/gain analysis, click the **Indicators** button  to open the indicators dialog.

*Indicators dialog*

- On the indicators modal click the **Vegetation** button to open the vegetation loss/gain dialog

*Vegetation Loss/Gain dialog*

- Provide all the required details on the dialog and click **submit**.

*Sample Vegetation Loss and Gain Result*

- Visualize statistics on the dashboard by clicking the **Statistics** button .

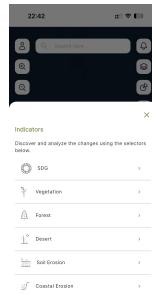


Sample Vegetation Loss and Gain Statistics

Forest

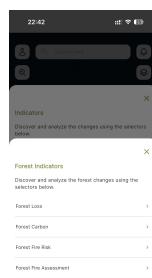
Forest Loss

- 1 . To start the forest loss analysis, click the **Indicators** button  to open the indicators dialog.



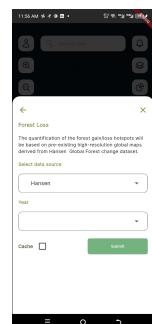
Indicators dialog

- 2 . On the indicators modal click the **Forest** button to open the forest indicators dialog



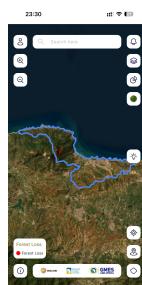
Forest Indicators dialog

- 3 . On the indicators modal click the **Forest Loss** button to open the forest loss dialog



Forest Loss dialog

- 4 . Provide all the required details on the dialog and click **submit**.



Sample Forest Loss Result

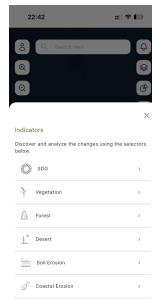
5 . Visualize statistics on the dashboard by clicking the Statistics button .



Sample Forest Loss statistics

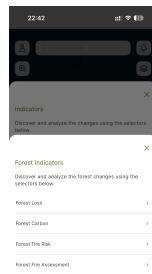
Forest Carbon

1 . To start the forest carbon emission analysis, click the Indicators button  to open the indicators dialog.



Indicators dialog

2 . On the indicators modal click the Forest button to open the forest indicators dialog



Forest Indicators dialog

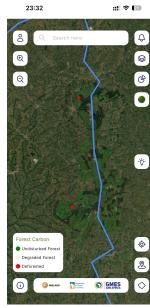
3 . On the indicators modal click the Forest Carbon button to open the forest carbon dialog



Forest carbon dialog

Mobile Application

- 4 . Provide all the required details on the dialog and click submit.



Sample Forest Carbon Result

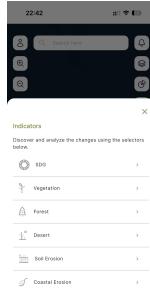
- 5 . Visualize statistics on the dashboard by clicking the Statistics button .



Sample Forest Carbon statistics

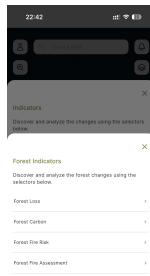
Forest Fire Risk

- 1 . To start the forest fire risk analysis, click the Indicators button  to open the indicators dialog.



Indicators dialog

- 2 . On the indicators modal click the Forest button to open the forest indicators dialog



Forest Indicators dialog

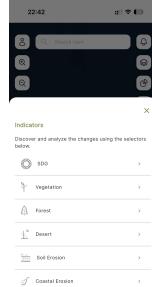
- 2 . On the indicators modal click the Forest Fire Risk button to open the forest fire risk dialog

Forest Fire Risk dialog

- 3 . Provide all the required details on the dialog and click submit.
- 4 . Visualize statistics on the dashboard by clicking the Statistics button .

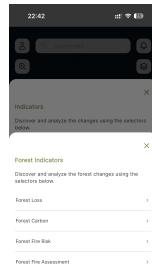
Forest Fire Assessment

- 1 . To start the forest fire assessment analysis, click the Indicators button  to open the indicators dialog.



Indicators dialog

- 2 . On the indicators modal click the Forest button to open the forest indicators dialog



Forest Indicators dialog

- 3 . On the indicators modal click the Forest Fire Assessment button to open the forest fire assessment dialog



Forest Fire Assessment dialog

- 4 . Provide all the required details on the dialog and click submit.
- 5 . Visualize statistics on the dashboard by clicking the Statistics button .

Desertification

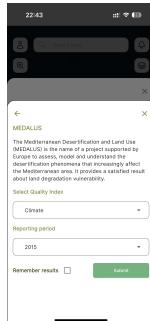
MEDALUS

- 1 . To start the MEDALUS desertification analysis, click the Indicators button  to open the indicators dialog.

Mobile Application

Indicators dialog

- 2 . Click the Desert button to open the MEDALUS dialog.



MEDALUS dialog

- 3 . Provide all the required details on the dialog and click submit.



Sample Desertification Result

- 4 . Visualize statistics on the dashboard by clicking the Statistics button .



Sample Desertification Statistics

Soil Erosion

Water Erosion

- 1 . To start the Water Erosion analysis, click the Indicators button  to open the indicators dialog.



Mobile Application

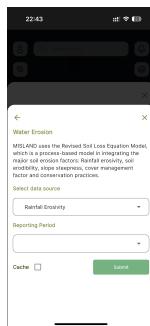
Indicators dialog

2 . Click the Soil Erosion button to open the Soil Erosion dialog.



Soil Erosion dialog

3 . Click the Water Erosion button to open the Water Erosion dialog.



Water Erosion dialog

4 . Provide all the required details on the dialog and click submit.



Sample Water Erosion Result

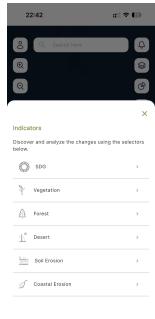
5 . Visualize statistics on the dashboard by clicking the Statistics button



Sample Water Erosion statistics

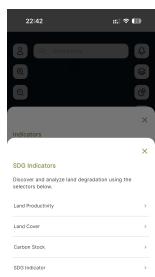
Wind Erosion

- To start the Wind Erosion analysis, click the Indicators button  to open the indicators dialog.



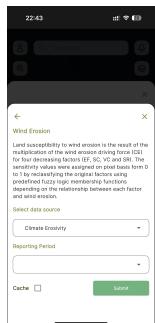
Indicators dialog

- Click the Soil Erosion button to open the Soil Erosion dialog.



Soil Erosion dialog

- Click the Wind Erosion button to open the Wind Erosion dialog.



Wind Erosion dialog

- Provide all the required details on the dialog and click submit.



Sample Wind Erosion Result

- Visualize statistics on the dashboard by clicking the Statistics button .

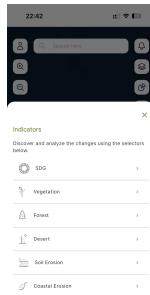


Sample wind Erosion statistics

Coastal Erosion

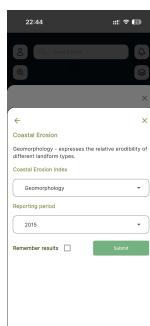
Coastal Vulnerability Index

- 1 . To start the Coastal Erosion analysis, click the Indicators button  to open the indicators dialog.



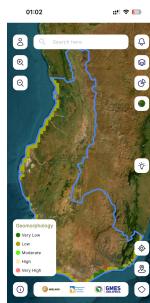
Indicators dialog

- 2 . Click the Coastal Erosion button to open the Coastal Vulnerability Index dialog.



Coastal Erosion dialog

- 3 . Provide all the required details on the dialog and click submit.



Sample Coastal Erosion Result

- 4 . Visualize statistics on the dashboard by clicking the Statistics button .



Sample Coastal Erosion Statistics