



# **BHUVAN - SUVIDHA**

**- Geospatial Content Management System**

-Multi-Node Hosting Made Easy

# BHUVAN- SUVIDHA

Online platform for creating and sharing geospatial data and maps for non-gis experts

**User  
controlled**

- SUVIDHA is an online platform that facilitates the creation, sharing and collaborative use of geospatial data
- A new approach to spatial data infrastructure focused around users and collaboration

User Friendly  
Interface

Responsive  
web  
application

## Unique Features

- Makes publishing easy
- Upload data through the web
- Style the uploaded data online
- Edit data and metadata in the same place
- Restrict access if you need to and many more

Create Maps  
with Uploaded  
data & Existing  
Layers

SDI focused on  
Users &  
Collaboration

Ratings  
&  
Comments



# BHUVAN- SUVIDHA

## Facilities

- Uploading of Spatial-data
- Editing/Creation of features
- Graphical User Interface for Styling the Data
- Adding Meta data
- Create Maps with Uploaded data and Existing layers
- Sharing of datasets in various modes - public/private/groups/specific users
- Upload and Linking of Non –spatial(Documents)
- Uploading OGC SLD(Style Layer Descriptor) file along spatial data
- Downloading of datasets and corresponding styles
- Querying the data based on attributes (Query Shell)
- Comments , Rating on datasets
- Sharing visualization links with Social Networking sites like Face Book, Twitter, etc.
- Embedding the datasets along with Bhuvan Base Layers to integrate in third party applications
- Catalogue search ( Extent, Regions, Keywords, Categories, Date, Owners)
- Map Composer and tools for map management

# BHUVAN- SUVIDHA

## Why BHUVAN – SUVIDHA ?

- ✓ A new approach to spatial data infrastructure focused around users and collaboration
- ✓ Minimizes the time that GIS analysts spend locating updated data.
- ✓ Online platform for creating, editing, styling, visualization and sharing geospatial data on an integrated dynamic map in near real time.
- ✓ Facilitates data standardization with various organizations by providing a clear process for uploading spatial data, compiling metadata, styling data and maps.
- ✓ Configure and Publish web mapping applications directly from the browser.
- ✓ Few quick steps for creating map, publishing, styling and sharing as easy as blogging.
- ✓ Allows rating - for quality control of the data.
- ✓ Reduces barrier for participation as much as possible.



# Objectives

- Facility to Upload, Edit, Style, Share and work with spatial data as easy as blogging
  - Reduce barriers to participation as much as possible
  - Easy-to-use interface allowing non-specialized users to share data and create interactive maps.
  - Make it as transparent as possible
  - Allow rating - for quality control of the data
  - Make few quick steps for creating map, publishing and sharing
- Make users to contribute back
- Make data sharing easy
  - Simple web based tool for Editing data and Meta data in same place
  - Make data sharing useful
  - Download data in variety of formats
  - Use existing datasets to create maps
  - Export datasets to other websites/create pdfs
  - Search data and metadata
- Make content portable
- Give full control to user on his uploaded data (View, Edit, Style, etc.)

# Uploading Spatial Data

Where should I upload my Spatial data Online?

Bhuvan – Geospatial Content Management System



Upload Layers

Login Required

Drop files here

or select them one by one:

Browse...

No files selected.

Files to be uploaded

Select the charset or leave default

UTF-8/Unicode

Clear

Upload Files

Permissions

Who can view it?

☒ Anyone

The following users:

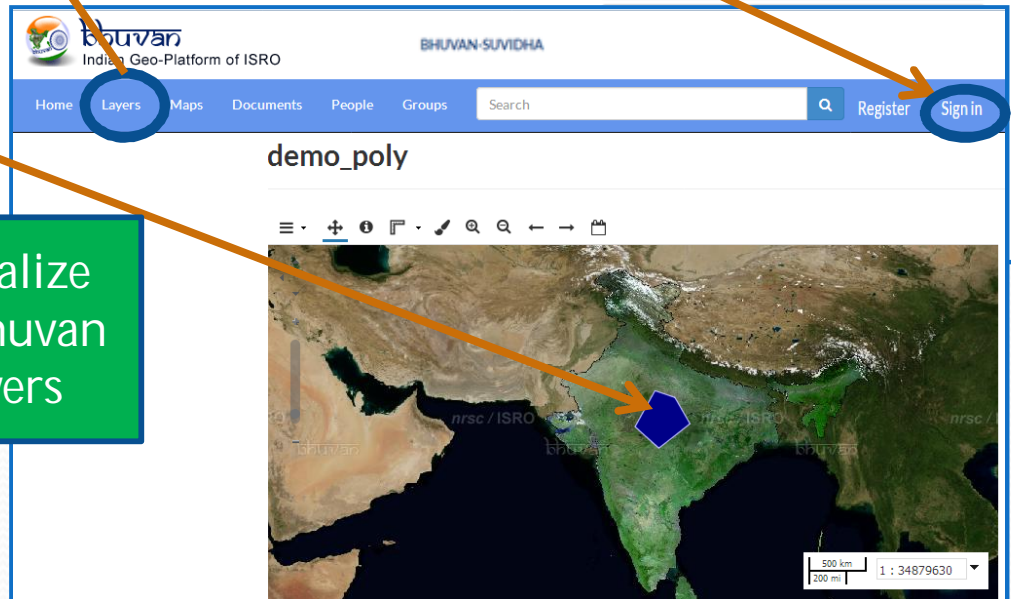
Choose users...

The following groups:

Choose groups...

- demo\_poly.dbf Remove
- demo\_poly.prj Remove
- demo\_poly.shp Remove
- demo\_poly.shx Remove

Visualize on Bhuvan Layers

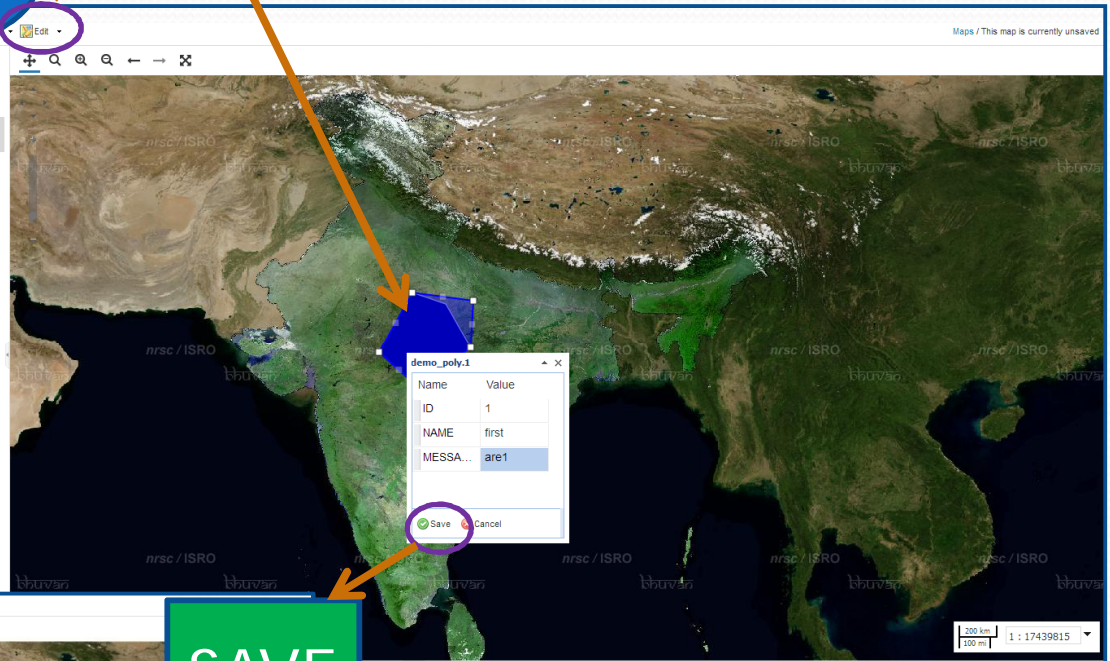
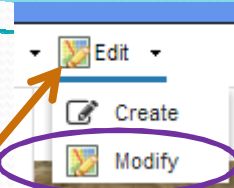




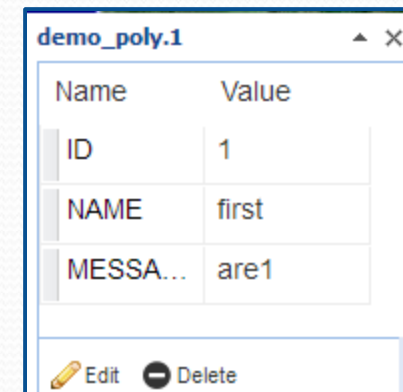
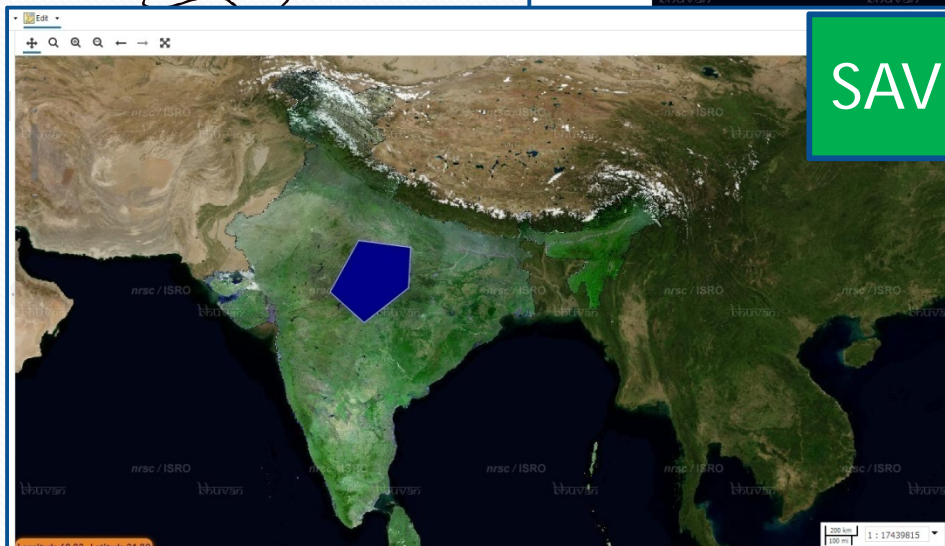
# Editing Uploaded Spatial Data

Oho..! Some thing went wrong in Uploaded data?  
May I edit?

YES



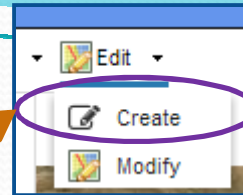
SAVE



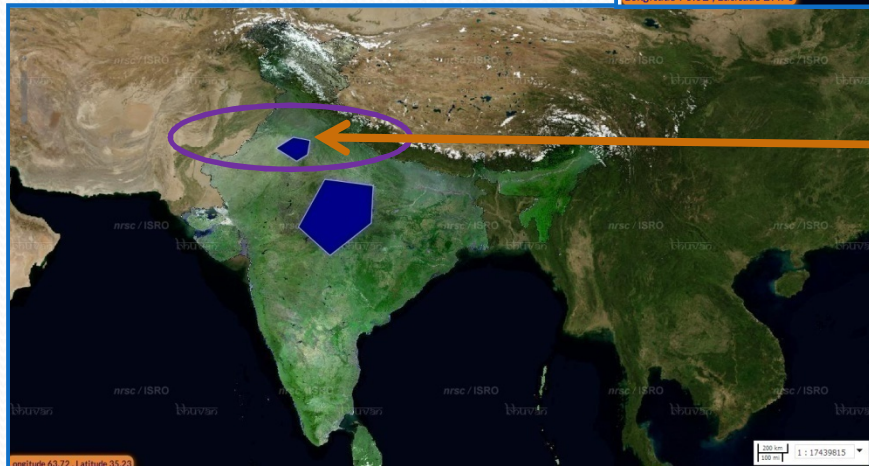
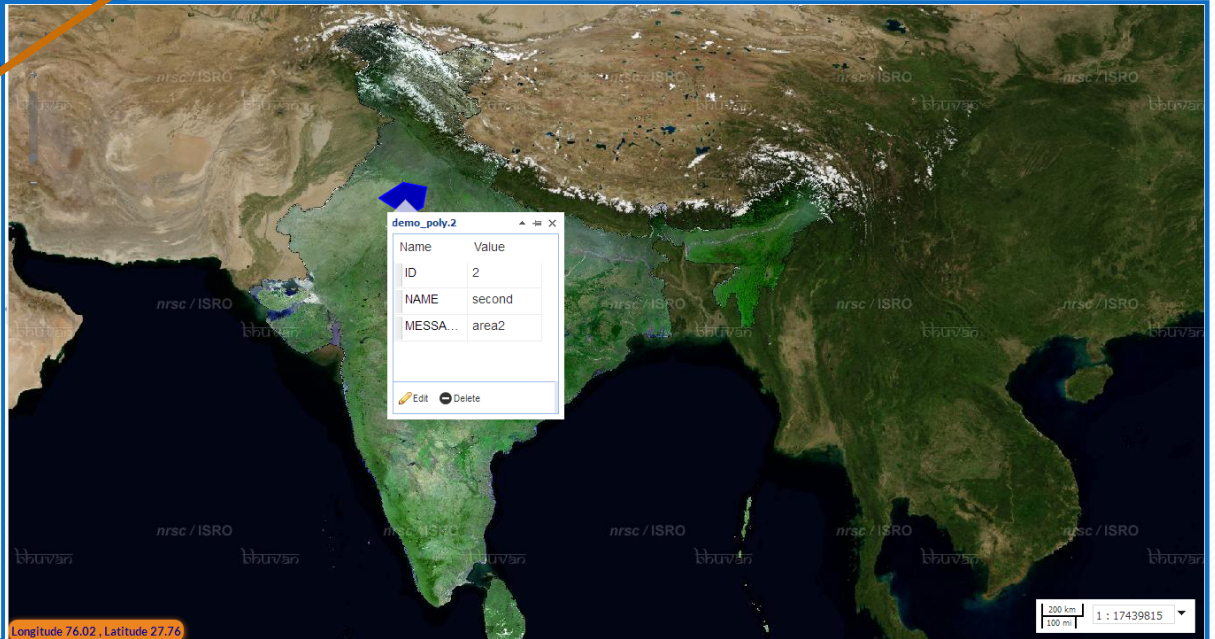


# Editing Uploaded Spatial Data

May I create new feature to Uploaded data



YES



Newly Created Feature

Fill the Attribute values

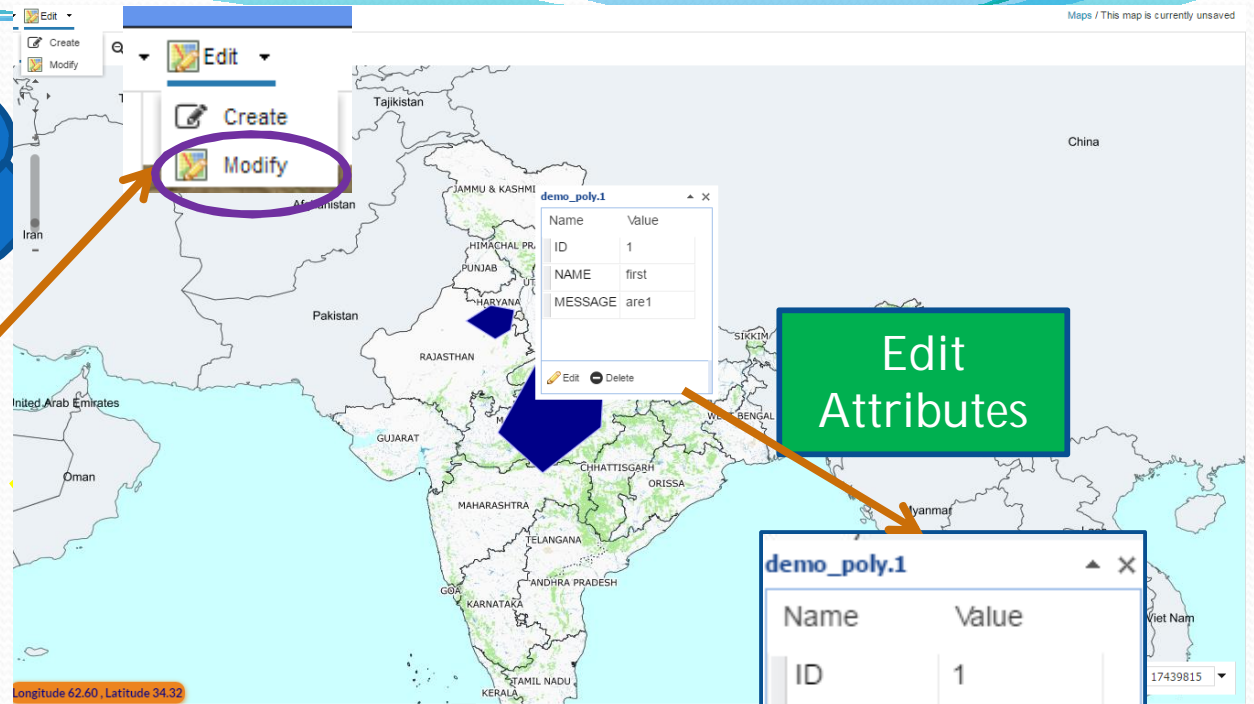
A screenshot of the 'demo\_poly.2' attribute table. It has two columns: 'Name' and 'Value'. The rows are: ID (2), NAME (second), and MESSA... (area2). Below the table are 'Edit' and 'Delete' buttons. An orange arrow points from the 'Fill the Attribute values' text box to the 'ID' field.

Name	Value
ID	2
NAME	second
MESSA...	area2

# Editing Uploaded Spatial Data Feature Attributes

Oho! some thing  
went wrong in  
Attribute values?  
May I modify  
attributes ?

YES



Edit  
Attributes

demo\_poly.1

Name	Value
ID	1
NAME	first
MESSAGE	are1

Edit Delete

After Edit

demo\_poly.1

Name	Value
ID	1
NAME	first
MESSAGE	AREA1

Save Cancel



# Create/Edit Styling for Uploaded Spatial Data

Oho! May I style data ?

YES

Rule 1

Bhuvan Indian Geo-Platform of ISRO

BHUVAN SUMIDHA

National Remote Sensing Centre

Home Layers Maps Documents People Groups Search

Map Print Identify Query Measure Edit

LAYERS

- Overlays
  - demo\_poly
- Base Maps
  - Bhuvan Base Map
  - world\_fri
  - world\_final

Layers Styles

Choose style: demo\_poly

Add Remove Edit Duplicate

Rules

Untitled 1

Save Edit Duplicate

LAYERS » DEMO\_POLY » RULE1

BASIC Labels Advanced

Name: Rule1

Fill

Color: #FAF31B

Opacity: 1.0

Stroke

Style: solid

Color: #bbbbff

Width: 0.7

Opacity: 1.0

LAYERS » DEMO\_POLY » RULE1

Basic LABELS Advanced

Label Features

Label values: MESSAGE

Font color and opacity

Color: #1B5E8B

Opacity: 1.0

Graphic

Halo

Label positioning

Priority

Label options

LAYERS » DEMO\_POLY » NEW RULE

Basic Labels ADVANCED

Limit by scale

Limit by condition

Match all of the following:

the\_geom > ID

NAME

MESSAGE

Limit by scale

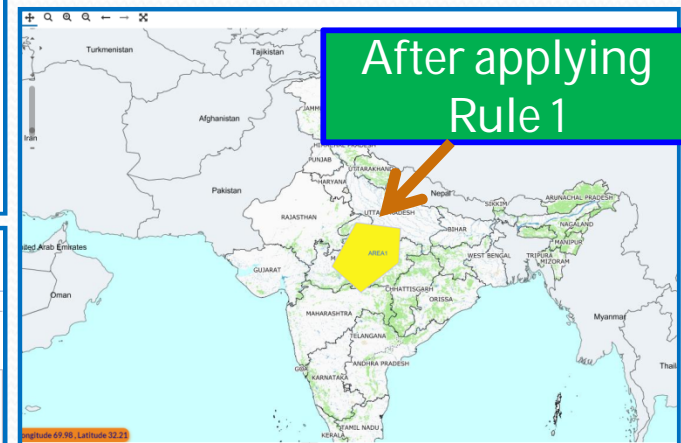
Limit by condition

Match all of the following:

MESSAGE = AREA1

add condition add group

After applying Rule 1





# Create/Edit Styling for Uploaded Spatial Data



**bhuvan**  
Indian Geo-Platform of ISRO

BHUVAN-SUVIDHA

National Remote Sensing Centre

Home Layers Maps Documents People Groups Search

Map Print Identify Query Measure Edit

**LAYERS » DEMO\_POLY**

Styles

Choose style: demo\_poly

Rules

Rule1

After applying Rule 1

Rule 2

After applying Rule 1 & 2

**LAYERS » DEMO\_POLY » RULE2**

BASIC Labels Advanced

Name: Rule2 Symbol: [Green Square]

☒ Fill

Color: #26FB1B

Opacity: [Slider]

☒ Stroke

Style: dash

Color: #000000

Width: 1

Opacity: [Slider]

**LAYERS » DEMO\_POLY » RULE2**

Basic LABELS Advanced

☒ Label Features

Label values: ID

Serif Size: 10 B I U

Font color and opacity

Color: #6C1BF8

Opacity: [Slider]

☐ Graphic

☐ Halo

☐ Label positioning

☐ Priority

☐ Label options

**LAYERS » DEMO\_POLY » RULE2**

Basic Labels ADVANCED

☐ Limit by scale

☒ Limit by condition

Match all of the following:

the\_geom ID NAME MESSAGE

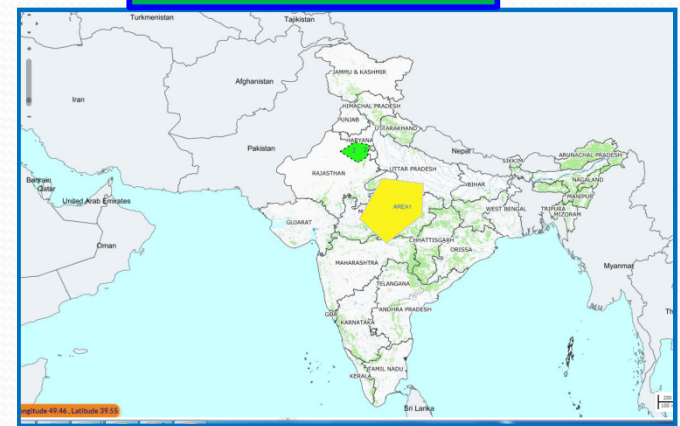
Limit by scale

☒ Limit by condition

Match any of the following:

MESSAGE = area2

add condition add group

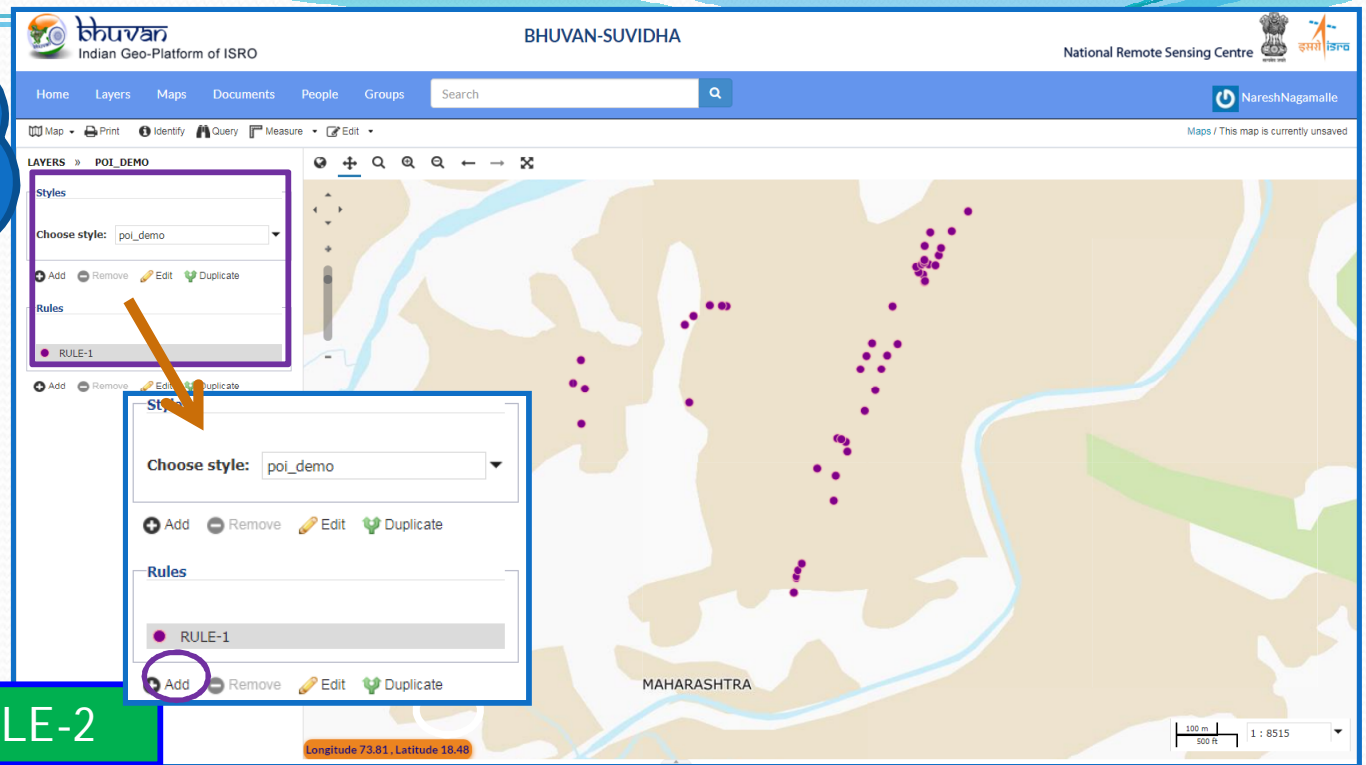


# Create/Edit Styling for Uploaded Spatial Data

Oho! May I  
add external  
symbol with  
GUI for  
Styling POI?


YES

RULE-2



**BASIC** | Labels | Advanced

Name:

Symbol: 

Symbol:

Size:

Rotation:

URL:

opacity:

Basic | **LABELS** | Advanced

☒ Label Features

Label values:

Arial  Size:  **B** *I* U

☐ Graphic

☐ Halo

☐ Label positioning

☐ Priority

☐ Label options

Basic | Labels | **ADVANCED**

☐ Limit by scale

☒ Limit by condition

Match  of the following:

☐ amenity

# Create/Edit Styling for Uploaded Spatial Data

After applying Rule 2

The screenshot displays the Bhuvan web application interface. At the top, the header includes the Bhuvan logo, the text "Indian Geo-Platform of ISRO", and the title "BHUVAN-SUVIDHA". On the right, it shows the "National Remote Sensing Centre" logo and the user name "NareshNagamalle".

The main interface features a navigation bar with links for Home, Layers, Maps, Documents, People, and Groups, along with a search bar. Below this, a toolbar contains icons for Map, Print, Identify, Query, Measure, and Edit.

The left sidebar, titled "LAYERS » POI\_DEMO", contains a "Styles" section with a "Choose style:" dropdown set to "poi\_demo" and buttons for Add, Remove, Edit, and Duplicate. Below this is a "Rules" section where "RULE-2" is selected and highlighted with a purple border. It also includes buttons for Add, Remove, Edit, and Duplicate.

The main map area shows a map of Maharashtra with several purple dots representing spatial data points. Two points are labeled "fast\_food". The map includes a scale bar (100 m / 500 ft) and a scale ratio of 1 : 8515. The coordinates "Longitude 73.82, Latitude 18.48" are displayed at the bottom left.

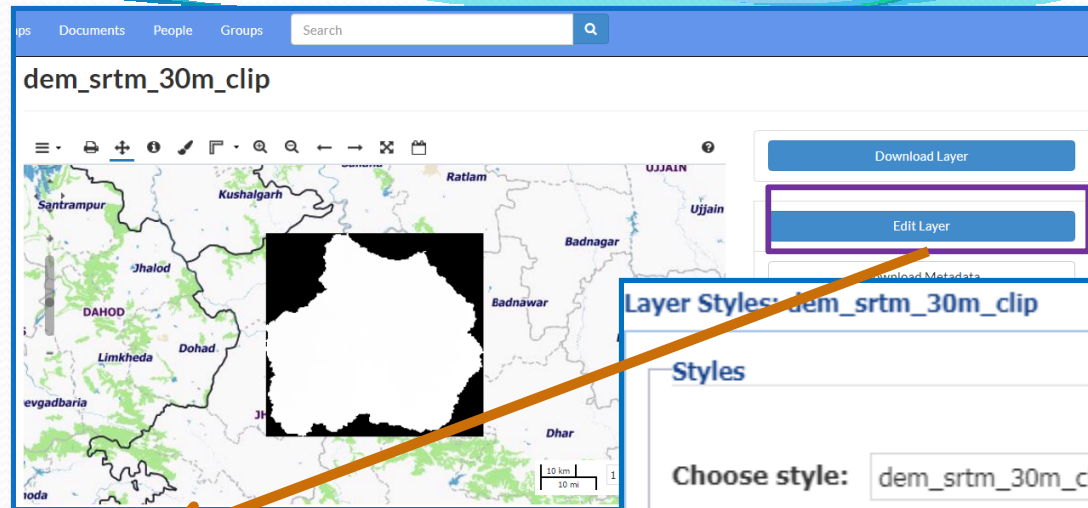


# Create/Edit Styling for Raster Data

Oho! May I  
style Raster  
data ?

YES

Defining color



Edit Layer

Metadata

Styles

Edit

Layer Styles: dem\_srtm\_30m\_clip

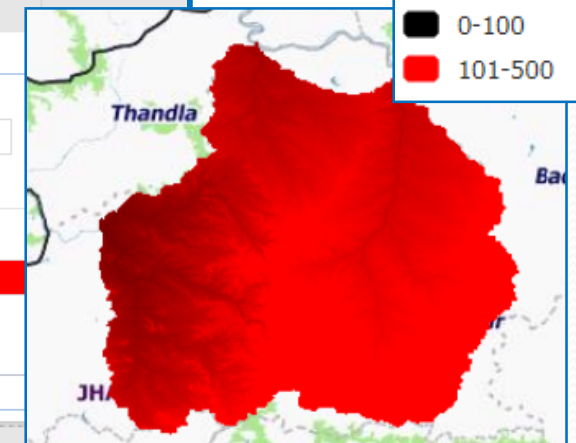
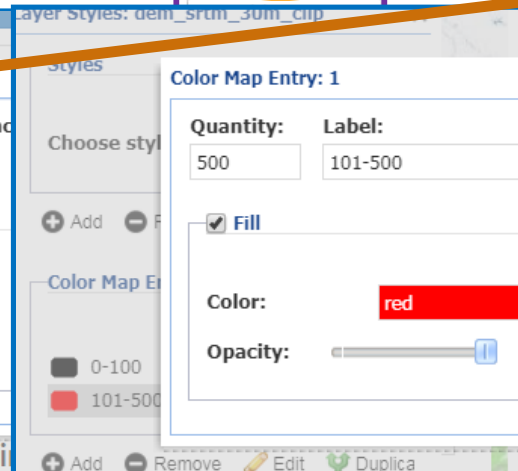
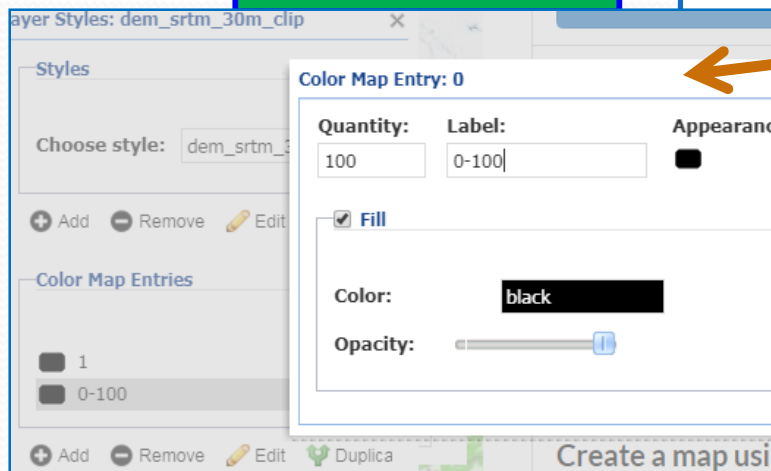
Styles

Choose style: dem\_srtm\_30m\_cli

+ Add - Remove Edit Duplicate

Color Map Entries

After applying  
Style





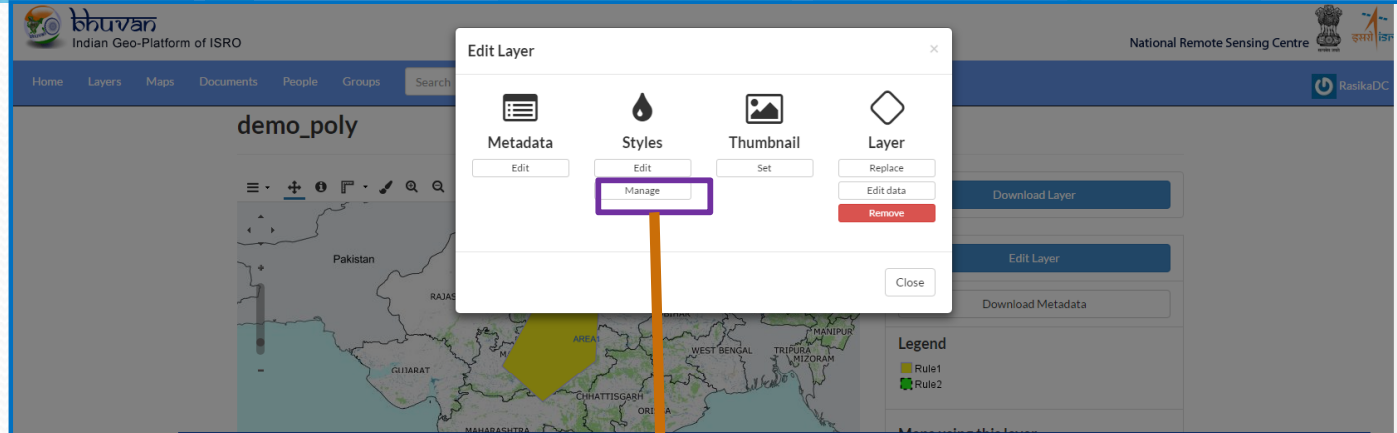
# Upload /Replace SLD for Uploaded Spatial Data

Is any other  
Styles  
available ?  
Can I Use to  
My data?

YES

Can I Upload  
SLD while  
uploading  
data?

- first\_poly.dbf Remove
- first\_poly.prj Remove
- first\_poly.shp Remove
- first\_poly.shx Remove
- **first\_poly.sld Remove**



## Manage Styles

Manage Available Styles for **geonode:demo\_poly**

Layer Default Style

demo\_poly ▼

### Available styles

Click on an available style in the upper box to assign it to this layer. Selected styles appear in the lower box.

Azure square point  
style  
A yellow polygon  
style  
Default Line  
Default Point  
Default Polygon  
Default Raster  
**demo\_poly2**

demo\_poly

Update Available Styles

# Meta Data for Uploaded Spatial Data

May I add  
Meta Data??

YES

## Standards

- Atom
- DIF
- Dublin Core
- ebRIM
- FGDC
- ISO

Edit Layer

Metadata Styles Thumbnail Layer

Edit Edit Set Replace Edit data Remove

## Edit Metadata

Editing details for geonode:demo\_poly

Update

Owner  
RasikaDC

Title  
demo\_poly

Date  
2017-04-25 01:01 PM

Date type  
Publication

## Other Options

- Keywords
- Regions
- Data Quality Statement
- Spatial Extent
- Temporal Extents
- Restrictions
- License
- Maintenance Frequency

Edition

Abstract  
No abstract provided

Purpose

Maintenance frequency

### Point Of Contact

RasikaDC

### Metadata Author

RasikaDC

### Category

- ☐ Imagery Base Maps Earth Cover
- ☐ dummy category
- ☐ Economy
- ☐ Environment
- ☐ Hospital
- ☐ Geoscientific Information
- ☐ Inland Waters
- ☐ Structure
- ☐ Intelligence Military
- ☐ Climatology Meteorology Atmosphere
- ☐ Society
- ☐ dummy2
- ☐ Utilities Communication
- ☐ Oceans
- ☐ Elevation
- ☐ Planning Cadastre
- ☒ Boundaries
- ☐ Transportation
- ☐ Location
- ☐ Farming

# Sharing Uploaded Spatial Data

May I share  
my data with  
others?

YES

The screenshot shows the Bhuvan interface with a map of India. A yellow polygon is drawn on the map, labeled 'demo\_poly'. The 'Permissions' dialog box is open, showing the 'demo\_poly' layer details. The 'Who can view it?' section is highlighted, showing the 'Anyone' option selected. The 'Who can download it?' section is also visible, showing the 'Anyone' option selected. The 'Who can change metadata?' section is also visible, showing the 'Anyone' option selected. The 'Who can edit data for this layer?' section is also visible, showing the 'Anyone' option selected. The 'Who can edit styles for this layer?' section is also visible, showing the 'Anyone' option selected. The 'Who can manage it? (update/publish/unpublish it)' section is also visible, showing the 'Anyone' option selected. The 'Apply Changes' button is at the bottom right.

demo\_poly

Permissions

Click the button below to change the permissions of this layer.

Change Layer Permissions

Maps using this layer

This layer is not currently used in any maps.

Create a map using this layer

Click the button below to generate a new map based on this layer.

Create a map

Styles

The following styles are associated with this layer. Choose a style to view it in the preview map.

(default style) demo\_poly

Permissions

Click the button below to change the permissions of this layer.

Change Layer Permissions

Set permissions for this resource

Who can view it?

☐ Anyone

The following users:

x RasikaDC

The following groups:

Who can download it?

Who can change metadata?

Who can edit data for this layer?

Who can edit styles for this layer?

Who can manage it? (update/publish/unpublish it)

Who can view it?

Please write us an e-mail to [bhuvan@nrs.gov.in](mailto:bhuvan@nrs.gov.in) with layer details to make this layer available for Public View

The following users:

x demo

The following groups:

Cancel Apply Changes

## Sharing Options

- Registered Users of Bhuvan
- Groups
- Private
- **Public** (Not available for all the users vary on privileges)

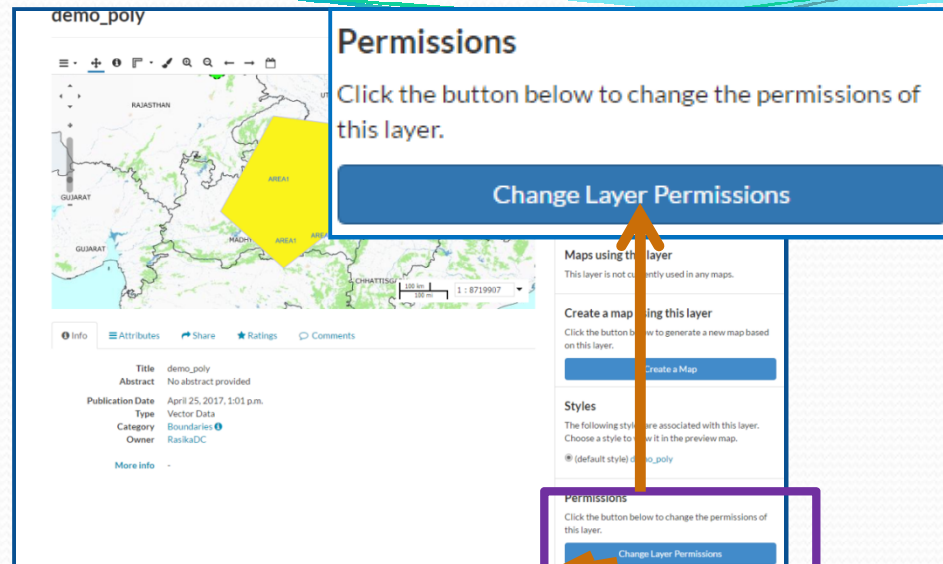
**People not having option of Public may request Bhuvan to make Public**



# Download Permission for Uploaded Spatial Data

May I allow others to download data

YES



**demo\_poly**

**Permissions**

Click the button below to change the permissions of this layer.

**Change Layer Permissions**

**Maps using this layer**

This layer is not currently used in any maps.

**Create a map using this layer**

Click the button below to generate a new map based on this layer.

**Styles**

The following styles are associated with this layer. Choose a style to view it in the preview map.

\* (default style) demo\_poly

**Permissions**

Click the button below to change the permissions of this layer.

**Change Layer Permissions**

## Set permissions for this resource

### Who can view it?

### Who can download it?

☐ Anyone

The following users:

\* RasikaDC

The following groups:

Who can change metadata for it?

Who can edit data for this layer?

Who can edit styles for this layer?

Who can manage it? (update, delete, publish/unpublish it)

### Who can download it?

Please write us an e-mail to [bhuvan@nrsc.gov.in](mailto:bhuvan@nrsc.gov.in) with layer details to make this layer available for Public Download

The following users:

\* demo

The following groups:

Cancel

Apply Changes

## Permission for Download

- Registered Users of Bhuvan
- Groups
- Private
- **Public** (Not available for all the users vary on Privileges)

People Not having option of making download for all may request Bhuvan for allow to download all




# Permission for Uploaded Spatial Data

May I allow  
others to edit  
data

YES

demo\_poly



Permissions

Click the button below to change the permissions of this layer.

Change Layer Permissions

Maps using this layer

This layer is not currently used in any maps.

Create a map using this layer

Click the button below to generate a new map based on this layer.

Create a Map

Styles

The following styles are associated with this layer. Choose a style to view it in the preview map.

(default style) demo\_poly

Permissions

Click the button below to change the permissions of this layer.

Change Layer Permissions

## Permissions

Viewing  
Download  
Edit data  
Edit Style  
Manage

### Who can change metadata for it?

The following users:

× demo

The following groups:

### Who can edit data for this layer?

The following users:

× demo

The following groups:

### Who can edit styles for this layer?

The following users:

× demo

The following groups:

### Who can manage it? (update, delete, change permissions, publish/unpublish it)

The following users:

× demo

The following groups:

# Query on Uploaded Spatial Data

May I query  
on My data?

YES

BHUVAN-SUVIDHA

Indian Geo-Platform of ISRO

National Remote Sensing Centre

Home Layers Maps Documents People Groups Search

Map Print Info Query Measure Edit

LAYERS

Overlays

Rule1

Rule2

Base Maps

Bhuvan Base Map

world\_fr

Gray Polygon with Black Outline

Gray2 Polygon with Black Outline

guffs

dp\_OLD

Forest: Level-2

Builtup: Level-2

apudicate\_poly

Forest: Level-2

Builtup: Level-2

AR

Forest: Level-2

Builtup: Level-2

as

Forest: Level-2

Builtup: Level-2

BR

Forest: Level-2

Query

Query by current map extent

Query by attributes

Match all of the following:

MESSAGE = AREA1

Table

ID	NAME	MESSAGE
1	first	AREA1

Query

Query by current map extent

Query by attributes

Match all of the following:

MESSAGE = AREA1

Table

ID	NAME	MESSAGE
1	first	AREA1

# Linking/Uploading Documents to Uploaded Spatial Data

May I Link  
my  
documents/re  
ports to My  
data?

YES

**bhuvan**  
Indian Geo-Platform of ISRO

**BHUVAN-SUVIDHA**

National Remote Sensing Centre

Home Layers Maps Documents People Groups Search

**Upload Documents** [Explore Documents](#)

Allowed document types:  
.doc .docx .gif .jpg .jpeg .ods .odt .odp .pdf .png .ppt .pptx .rar .sld .tif .tiff

Title:  
name by which the cited resource is known

File:  
[Choose File](#) No file chosen

URL:  
The URL of the document if it is external.

Link to:  
Select layer, map or empty  
dem  
**demo\_poly2**  
demo\_poly  
my\_demo\_line map  
demo\_map2  
demo2

**Permissions**

Who can view it?  
☒ Anyone  
The following users:  
[Choose users...](#)  
The following groups:  
[Choose groups...](#)

Who can download it?

Who can change metadata for it?

Who can manage it? (update, delete, change permissions, publish/unpublish it)

## Upload Documents

Allowed document types:

.doc .docx .gif .jpg .jpeg .ods .odt .odp .pdf .png .ppt .pptx .rar .sld .tif .tiff

Title:

name by which the cited resource is known

File:

[Choose File](#) No file chosen

URL:

The URL of the document if it is external.

Link to:

Select layer, map or empty

dem

**demo\_poly2**

demo\_poly

my\_demo\_line map

demo\_map2

demo2

## Permissions

### Who can view it?

☒ Anyone

The following users:

[Choose users...](#)

The following groups:

[Choose groups...](#)

### Who can download it?

### Who can change metadata for it?

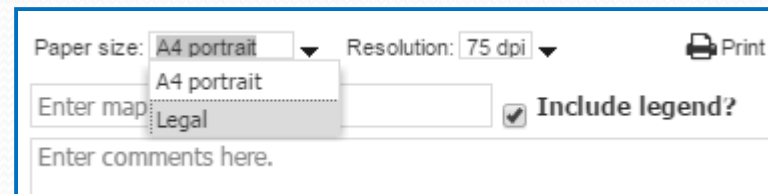
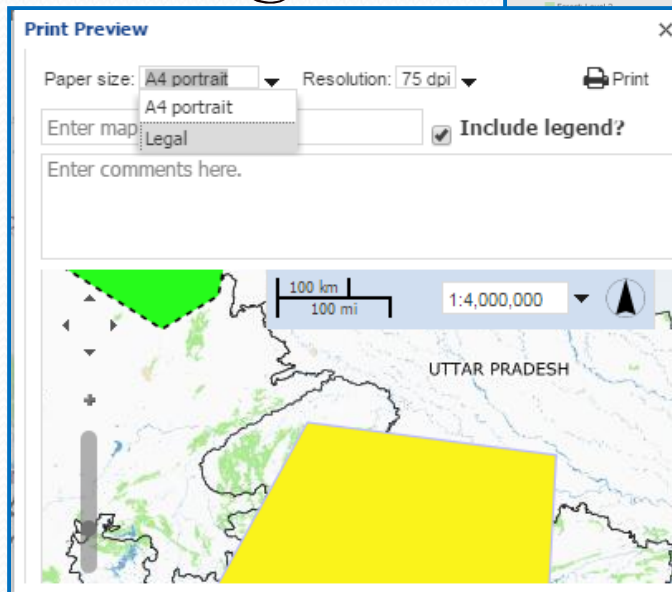
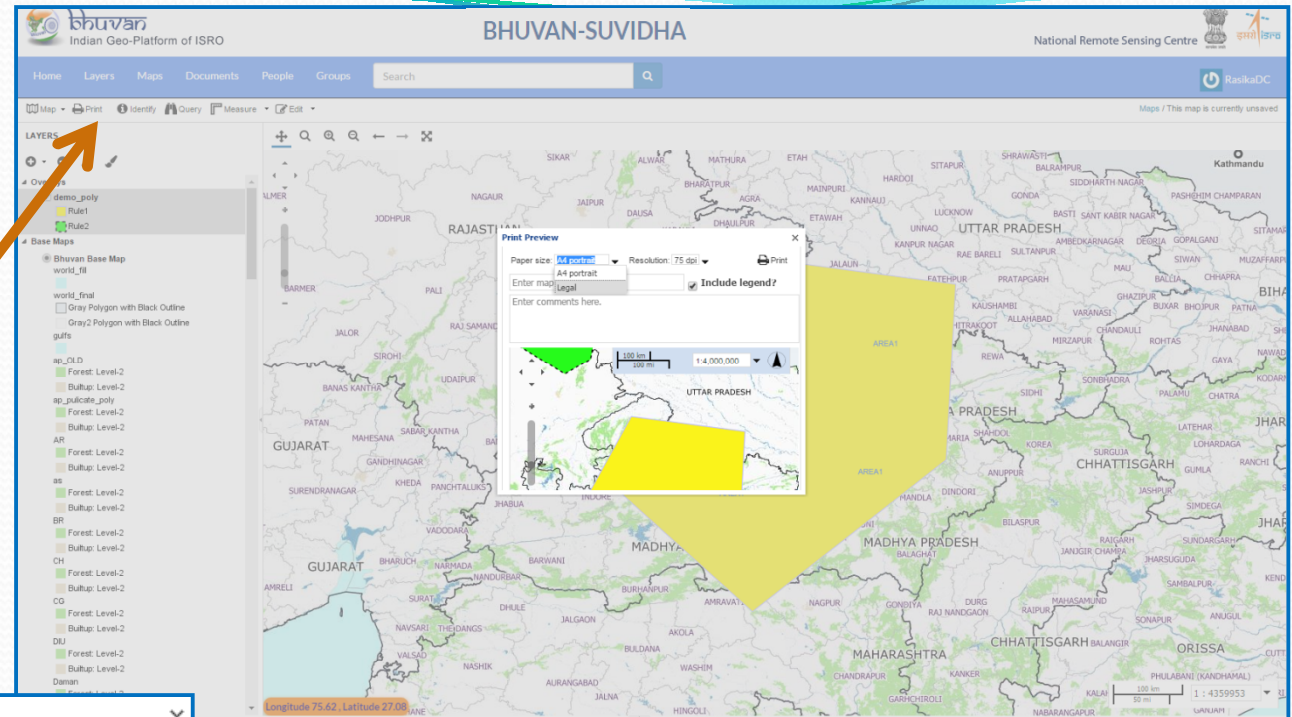
Who can manage it? (update, delete, change permissions, publish/unpublish it)



# PDF /Print - Uploaded Spatial Data along with Bhuvan Layers

May I  
Generate  
PDF with  
My data?

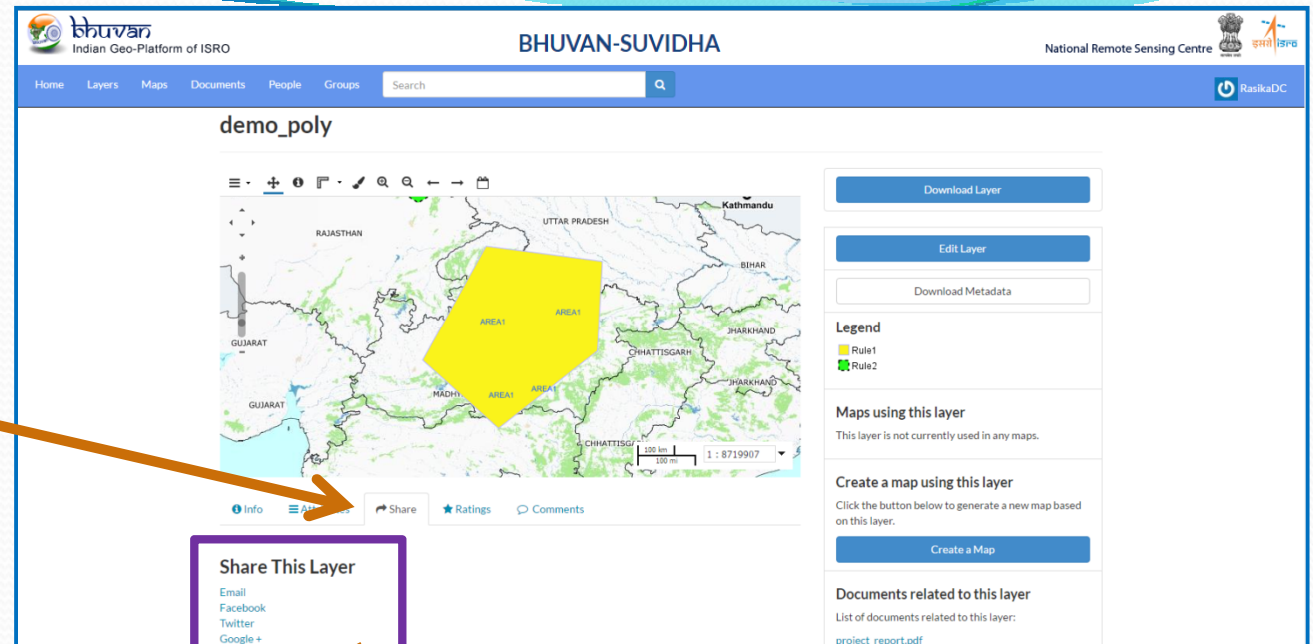
YES



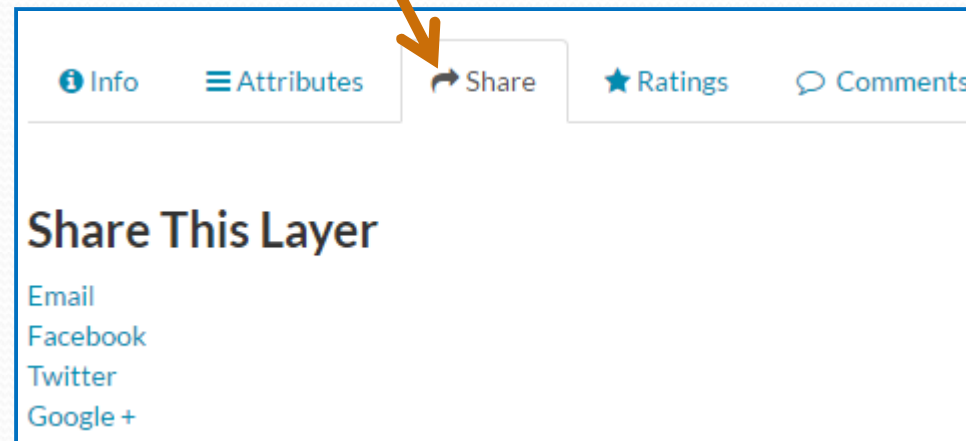
# Sharing Uploaded Spatial Data in Social Networking Sites

May I Share  
with Social  
Networking  
Sites?

YES



The screenshot shows the BHUVAN-SUVIDHA web interface. The main map displays a yellow polygon over a region in India. The interface includes a navigation bar with links for Home, Layers, Maps, Documents, People, and Groups. A search bar is present. On the right side, there are buttons for Download Layer, Edit Layer, and Download Metadata. A legend shows two rules: Rule1 (yellow) and Rule2 (green). Below the map, there are buttons for Info, Share, Ratings, and Comments. The 'Share This Layer' button is highlighted with a purple box.



The screenshot shows the 'Share This Layer' dialog box. It has tabs for Info, Attributes, Share, Ratings, and Comments. The 'Share' tab is selected, showing options to share via Email, Facebook, Twitter, and Google+.

# Create Maps with Uploaded Data and Existing Layers

May I Create  
Maps With  
my data and  
other layers  
in GeoNode?

YES

Explore Layers

Total: 10

demo\_poly

clip\_point\_1\_1

Set Permissions Create a map

TEXT

Search by text

TYPE

Vector

CATEGORIES

KEYWORDS

OWNERS

DATE

REGIONS

EXTENT

demo\_poly2

No abstract provided

demo 25 Apr 2017 0 0 0 0 Create a Map

clip\_point\_1\_1

No abstract provided

demo 25 Apr 2017 0 0 0 0 Create a Map

clip\_point\_1

No abstract provided

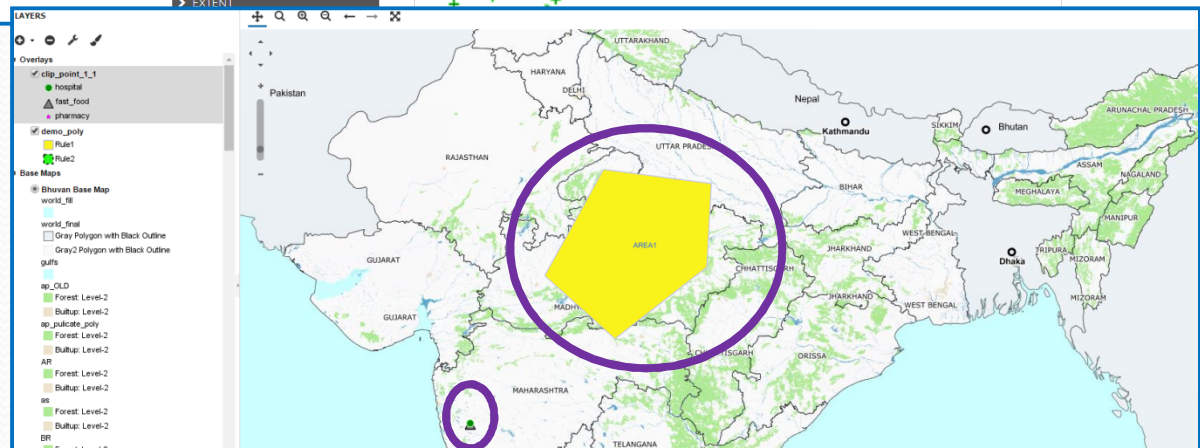
demo 25 Apr 2017 0 0 0 0 Create a Map

Cart

demo\_poly

clip\_point\_1\_1

Set Permissions Create a map



Selection Options like e-commerce sites



# Make Content Portable

Add the snippet of Code to webpage for integrating into other websites

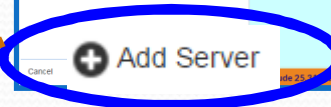
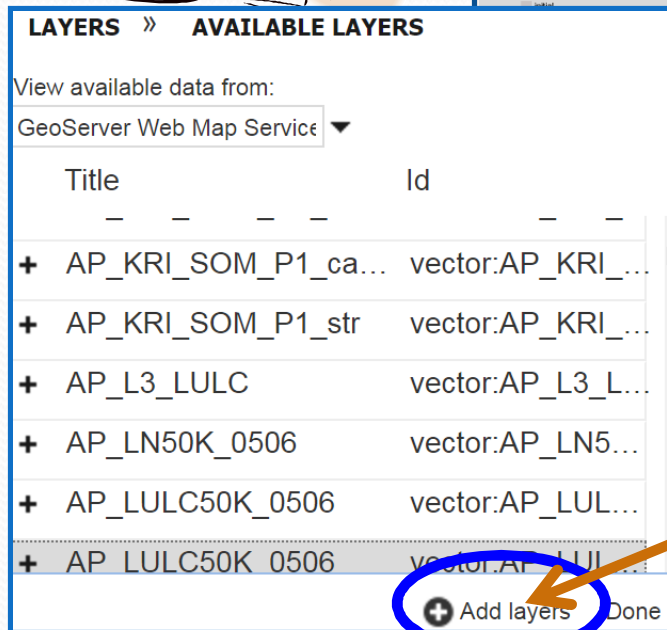
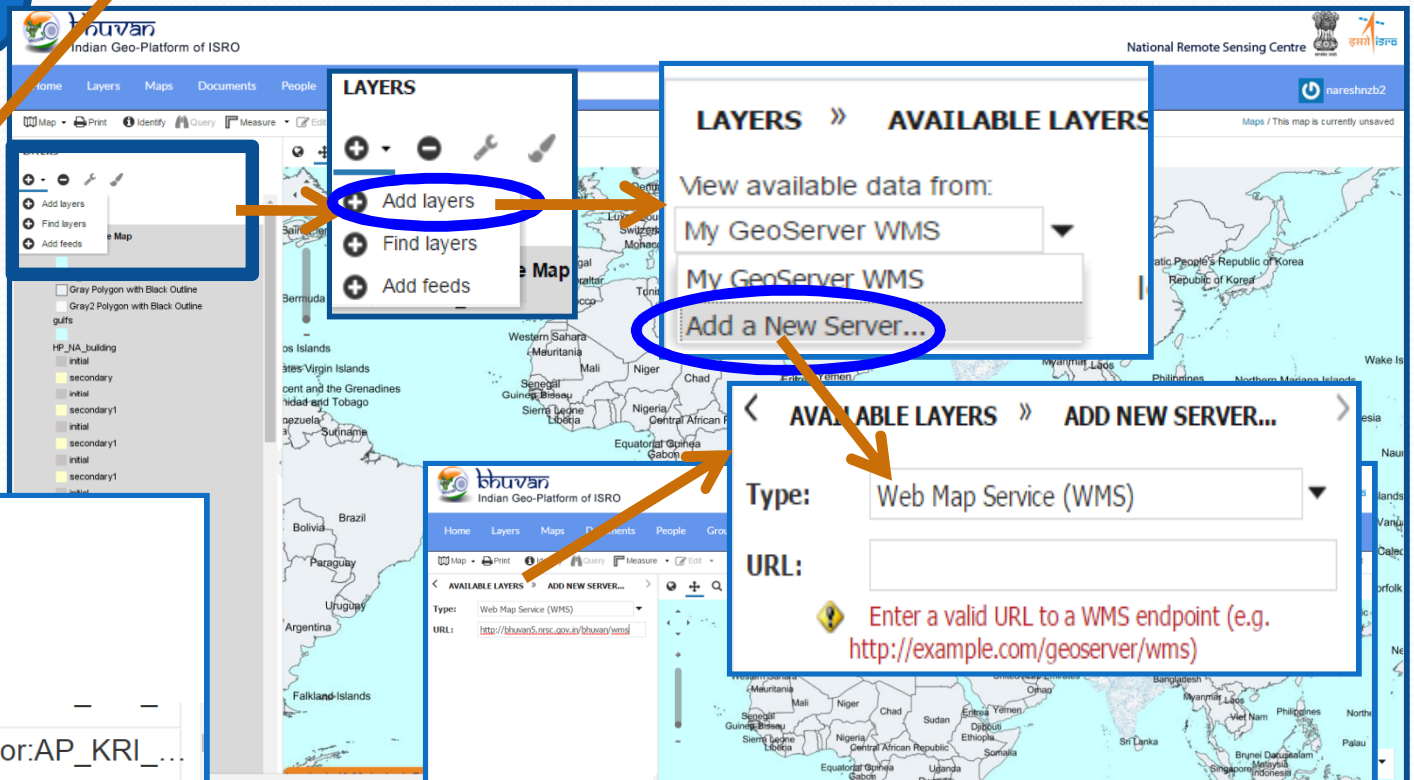
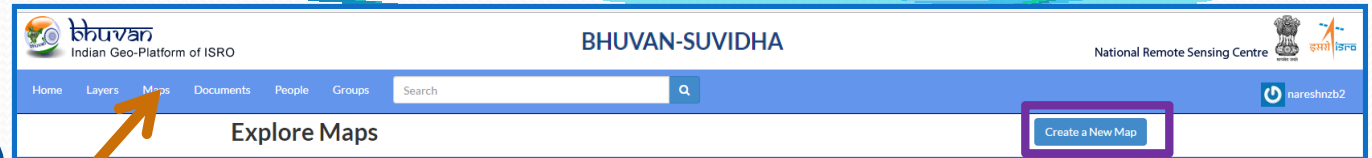


**The data uploaded by user B now can be used by other user to publish on their web pages by simply adding above `<iframe>` tag in their html page**

# Add External WMS Layers

May I add  
WMS  
Layers?

YES



# Ratings/Comments on Uploaded Data

Based on Rating other users may know quality of the data

The image shows a screenshot of a data upload interface with two main sections. The top section, titled 'Rate this Map', includes a star rating system (5 stars) and an 'Average Rating' section showing 5 stars and 0 reviews. The bottom section, titled 'Comments (1 total)', shows a comment from 'naresh87' dated 'Mar 23, 2017' with the text 'Some attributes are missing from metadata. Please upload the correct data-set.' and a 'Delete' button. A blue box labeled 'Quality of Data' has an arrow pointing to the 'Ratings' tab in the top section. A hand icon is also pointing to the 'Ratings' tab. A blue box at the bottom contains the text: 'User can rate the dataset .If users notice mistakes in the metadata. They can notify owner by adding comments and giving it a low rating.'

Info Share ★ Ratings ○ Comments

Rate this Map

★★★★★

Average Rating

★★★★★ (0)

Rate this layer

★★★★★

Average Rating

★★★★★ (3)

Info Share ★ Ratings ○ Comments

Comments (1 total)

Add Comment

Some attributes are missing from metadata. Please upload the correct data-set.  
By naresh87 on Mar 23, 2017

Delete

Quality of Data

User can rate the dataset .If users notice mistakes in the metadata. They can notify owner by adding comments and giving it a low rating.



# Download Request for Datasets Uploaded by other Users

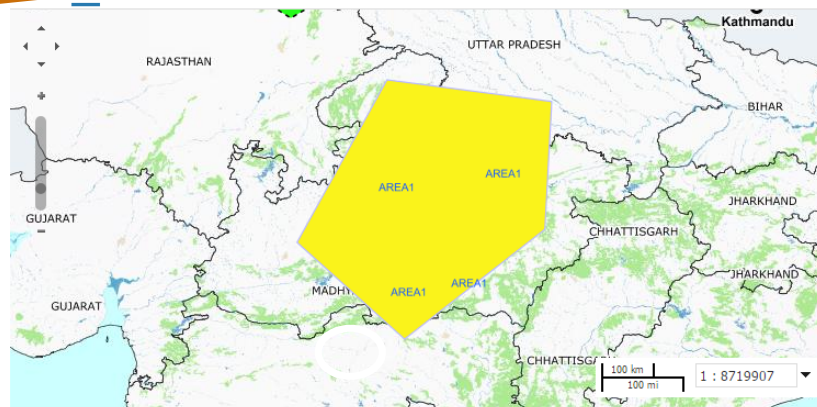
May I  
Request  
Download of  
the layers  
available?

YES

Success!

Permission to download the resource requested to resource owner.

demo\_poly



Request Download

Download Metadata

Legend

Rule1  
Rule2

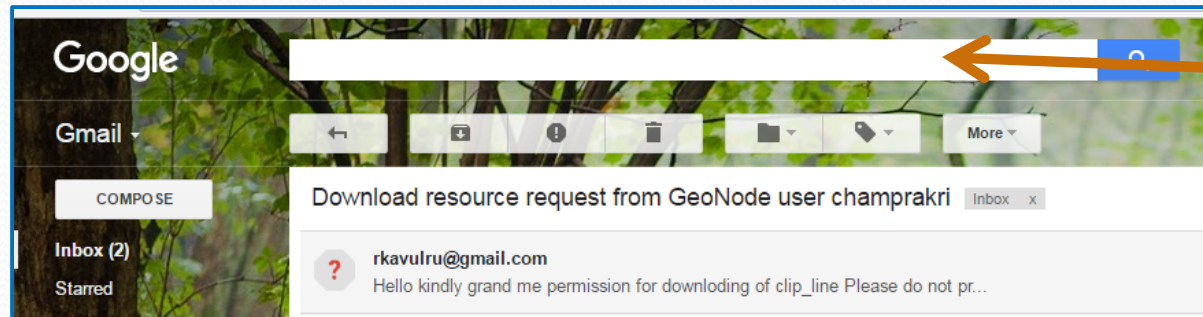
Maps using this layer

This layer is not currently used in any maps.

Create a map using this layer

Click the button below to generate a new map based on this layer.

On click of Request  
Download  
Automatically  
Sending mail to  
Owner of the dataset



# Search Datasets - Catalogue search

Filters Clear

▼ TEXT

Search by text Q

▼ TYPE

Raster 1

Vector 11

► CATEGORIES

► KEYWORDS

► OWNERS



► DATE







► REGIONS

Total: 2 1/2

**demo\_polygon** ×


No abstract provided







 

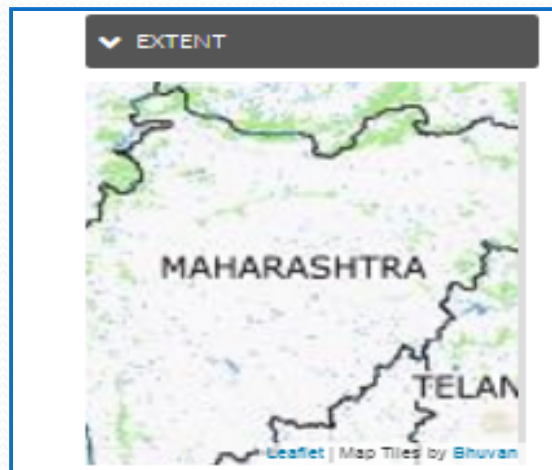
 RasikaDC  17 Mar 2017  4  0  0  Create a Map

**TM\_WORLD\_BORDERS\_0\_3** ×

No abstract provided



 admin  17 Nov 2016  49  0  0  Create a Map



**Search by extent**

▼ DATE

Date begins after:


2017-03-22

Date ends before:



2017-03-25


**Search by date**

# Create Groups

 **bhuvan**  
Indian Geo-Platform of ISRO

BHUVAN-SUVIDHA


National Remote Sensing Centre  



Home Layers Maps Documents People **Groups** Search 


nareshnzb2

Explore Groups

Create a New Group

 **bhuvan**  
Indian Geo-Platform of ISRO

National Remote Sensing Centre  

Home Layers Maps Documents People Groups Search 

nareshnzb2

### Create a Group

**Title**

**Logo**

Choose File No file chosen

**Description**

**Email**

Email used to contact one or all group members, such as a mailing list, shared email, or exchange group.

**Access**

Public  
Public  
Public (invite-only)  
**Private**

Private: Registered users cannot see any details about the group, including membership. Only invited users can join.

**Keywords**

A space or comma-separated list of keywords

Create

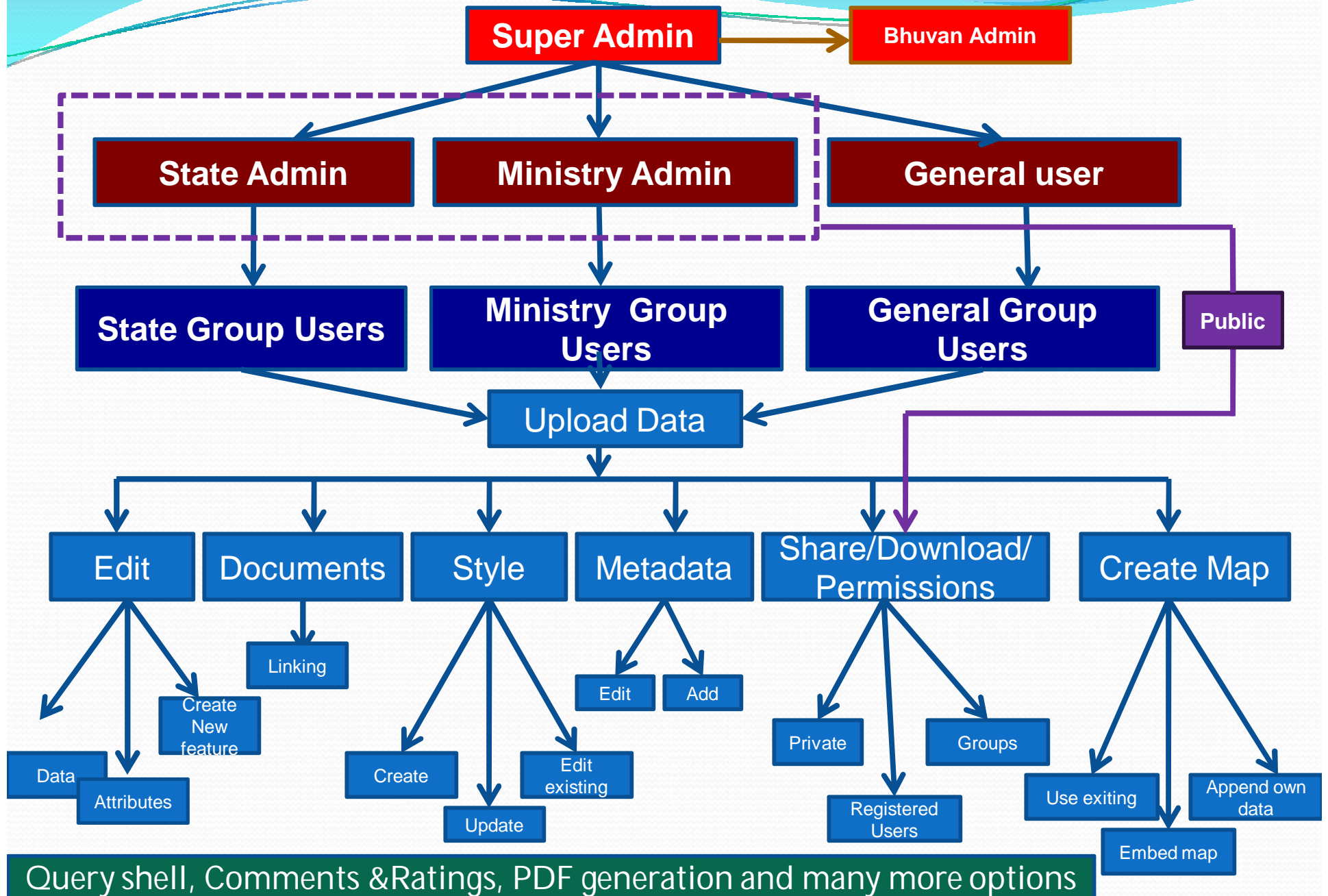
Public (invite-only): Any registered user can view the group. Only invited users can join.

Private: Registered users cannot see any details about the group, including membership. Only invited users can join.


**Keywords**





# Hierarchy of Users & Functions



# SUVIDHA Dashboard

 **bhuvan**  
Indian Geo-Platform of ISRO


BHUVAN-SUVIDHA

National Remote Sensing Centre  

[Home](#) [Layers](#) [Maps](#) [Documents](#) [People](#) [Groups](#)  [Register](#) [Sign in](#)

## BHUVAN - SUVIDHA


web application for creating and sharing geospatial data and maps for non-gis experts



### 7 Layers

Click to search for geospatial data published by other users, organizations and public sources. Download data in standard formats.


[Explore layers »](#)



### 15 Maps

Data is available for browsing, aggregating and styling to generate maps which can be shared publicly or restricted to specific users only.

[Explore maps »](#)



### 28 Users





Registered users to easily upload geospatial data in shapefile and GeoTiff. And users can also create/edit/style the features using GUI

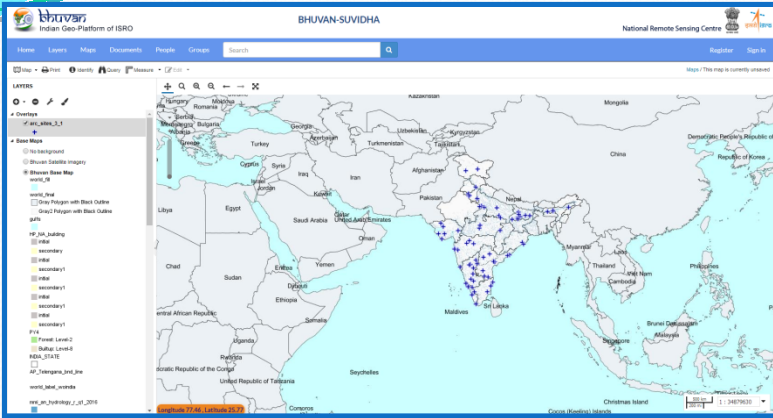
[See users »](#)

Powered by [GeoNode](#) | [Bhuvan](#) | [Help](#) | [Terms](#) | [Disclaimer](#)

**Resides on Every Node for Geospatial Content Management**

# BHUVAN- SUVIDHA



- Uploading of spatial data in shapefile and Geotiff
- Restriction of Data Upload per User -25 MB
- Recommended Naming convention for data  
State code\_theme\_(source)\_(yyyymmdd)
- Re -commended Projection : EPSG: 4326

➤ **Important:**

You (or your agency) is responsible for the upkeep of the information you upload/publish. i.e. The reliability, timeliness, accuracy and data contained within your layers or documents must be managed/maintained by the user or group uploading information. Bhuvan/ISRO/NRSC is not responsible for quality, accuracy, correctness of user/partners uploaded information.

Read Terms and Disclaimer in SUVIDHA Portal





## **Contact Us**

### **Our Office**

Bhuvan Cell,  
National Remote Sensing Centre  
Indian Space Research Organisation  
Government of India  
Balanagar  
Hyderabad - 500 625,INDIA.  
Ph : +91-40-2388 4587/88/85  
Email : [bhuvan\[at\]nrsc\[dot\]gov\[dot\]in](mailto:bhuvan@nrsc.gov.in)

**THANKS**