

First Day 16<sup>th</sup> December,2023

Time:2:30-3:45 pm

# **HANDS ON EXCERSISE**

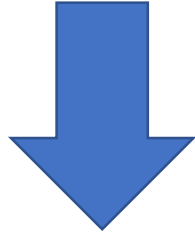
**1. Digital Map Making**

**2. Web GIS**

Digital Map Making  
i.e.,  
**DISTRICT NAINITAL**

# Digital Map Making

## STEPS TO BE FOLLOWED



1. Open District Nainital Data Base in the Software
2. Add District Boundary of Nainital
3. Add Block Boundaries of District Nainital
4. Add Villages of District Nainital
5. Add Roads of District Nainital
6. Add Rivers of District Nainital
7. Add Legend of the Map
8. Add Projection of the Map
9. Add North
10. Add Scale of the Map
11. Add Main Heading on the Map
12. Add Sub-Heading of the Map
13. Add Boundary through Paint

# Step -1:Open Database of District Nainital

The screenshot displays the QGIS desktop environment. The main window is titled '\*Untitled Project — QGIS'. The top menu bar includes Project, Edit, View, Layer, Settings, Plugins, Vector, Raster, Database, Web, Mesh, and Help. Below the menu is a toolbar with various icons for navigation and editing. The left sidebar contains the Browser and Layers panels. The Browser panel shows a tree view of data sources, with the 'Nainital Shapefile' folder selected and highlighted by a red arrow. The Layers panel shows a list of loaded layers: Rivers, Roads, Villages, Block\_Boundary, and District\_Boundary. The bottom status bar displays the coordinate (279709, 3279708), scale (1:398453), magnifier (100%), rotation (0.0°), and the EPSG:32644 projection.

Browser

- Chamoli Shapefile
- Champawat\_Shapefile
- Dehradun Shapefile
- Haridwar Shapefile
- Nainital Shapefile**
  - Administrative Units
    - Block\_Boundary.shp
    - District\_Boundary.shp
    - Tehsil\_Boundary.shp
    - Town\_Area.shp
  - Climatic\_Zones
    - Climatic\_Zones.shp
  - Education
  - Election
  - Employment Office
  - Health
  - IRRIGATION
  - Landuse
    - Landuse.shp
  - Ministry\_Welfare

Layers

- Rivers
- Roads
- Villages
- Block\_Boundary
- District\_Boundary

Coordinate 279709, 3279708 Scale 1:398453 Magnifier 100% Rotation 0.0° Render EPSG:32644

# Step -2: Add District Boundary

The screenshot displays the QGIS interface with the following components:

- Browser Panel:** A tree view of project files. The 'Administrative Units' folder is expanded, and 'District\_Boundary.shp' is selected. Other files include 'Block\_Boundary.shp', 'Tehsil\_Boundary.shp', and 'Town\_Area.shp'.
- Layers Panel:** A list of loaded layers. 'District\_Boundary' is checked and highlighted, indicating it is the active layer.
- Main Canvas:** A map showing a large, irregular black outline representing the district boundary.
- Status Bar:** Shows the current coordinate (361307, 3221830), scale (1:398453), magnification (100%), and rotation (0.0°).

# Step -3: Add Block Boundary

The screenshot shows the QGIS interface with the following components:

- Browser Panel:** A tree view of the project's data sources. The 'Administrative Units' folder is expanded, and 'Block\_Boundary.shp' is selected. Other folders include Chamoli Shapefile, Champawat\_Shapefile, Dehradun Shapefile, Haridwar Shapefile, Nainital Shapefile, Climatic\_Zones, Education, Election, Employment Office, Health, IRRIGATION, Landuse, and Ministry\_Welfare.
- Layers Panel:** A list of loaded layers. 'Block\_Boundary' and 'District\_Boundary' are checked, indicating they are visible on the map.
- Main Map:** A geographical outline of a region with several internal boundaries, representing the administrative units.
- Status Bar:** Shows the current coordinate (356352, 3223306), scale (1:398453), magnifier (100%), rotation (0.0°), and render status.

# Step -4: Add Villages (Point)

The screenshot displays the QGIS interface with the following components:

- Browser Panel:** Lists various shapefiles under 'Nainital Shapefile', including 'Administrative Units' (Block\_Boundary.shp, District\_Boundary.shp, Tehsil\_Boundary.shp, Town\_Area.shp), 'Climatic\_Zones', 'Education', 'Election', 'Employment Office', 'Health', 'IRRIGATION', 'Landuse', and 'Minority Welfare'.
- Layers Panel:** Shows the following layers:
  - Rivers
  - Roads
  - Villages
  - Block\_Boundary
  - District\_Boundary
- Map View:** Displays a map of a region with a thick black outline for the district boundary and thinner lines for block boundaries. Numerous small red dots representing villages are scattered across the map.
- Status Bar:** Shows 'Coordinate: 350554, 3221513', 'Scale: 1:398453', 'Magnifier: 100%', 'Rotation: 0.0 °', and 'Render: EPSG:32644'.

A red arrow originates from the title 'Step -4: Add Villages (Point)' and points to the 'Villages' layer in the Layers panel.

# Step -5: Add Roads

The screenshot displays the QGIS interface with the following components:

- Browser Panel:** Lists various shapefiles under 'Nainital Shapefile', including 'Administrative Units', 'Climatic\_Zones', 'Education', 'Election', 'Employment Office', 'Health', 'IRRIGATION', 'Landuse', and 'Municipality\_Welfare'.
- Layers Panel:** Shows a list of layers with checkboxes:
  - Rivers
  - Roads
  - Villages
  - Block\_Boundary
  - District\_Boundary
- Map View:** Displays a map of a region with a network of red roads, blue rivers, and black administrative boundaries. Labels on the map include 'Ramnagar haldwari', 'Basant Devidbura', 'Pangot', 'Ramnagar', 'Lwar', and various village codes like 'R12', 'R13', 'R14', 'R15', 'R16', 'R17', 'R18', 'R19', 'R20', 'R21', 'R22', 'R23', 'R24', 'R25', 'R26', 'R27', 'R28', 'R29', 'R30', 'R31', 'R32', 'R33', 'R34', 'R35', 'R36', 'R37', 'R38', 'R39', 'R40', 'R41', 'R42', 'R43', 'R44', 'R45', 'R46', 'R47', 'R48', 'R49', 'R50', 'R51', 'R52', 'R53', 'R54', 'R55', 'R56', 'R57', 'R58', 'R59', 'R60', 'R61', 'R62', 'R63', 'R64', 'R65', 'R66', 'R67', 'R68', 'R69', 'R70', 'R71', 'R72', 'R73', 'R74', 'R75', 'R76', 'R77', 'R78', 'R79', 'R80', 'R81', 'R82', 'R83', 'R84', 'R85', 'R86', 'R87', 'R88', 'R89', 'R90', 'R91', 'R92', 'R93', 'R94', 'R95', 'R96', 'R97', 'R98', 'R99', 'R100'.

# Step -6: Add Rivers

The screenshot displays the QGIS interface with a map of a region. The map shows a network of rivers (blue lines), roads (red lines), and administrative boundaries (black lines). The rivers are labeled with names such as Phika River, Dhela Nadi, Ramnagar Nadi, Baur Nadi, Bhakra Nadi, Gaulla Nadi, and Deobra River. The roads are labeled with numbers like NH 121, NH 87E, SH 1, and SH 2. The administrative boundaries are labeled with names like Ramnagar, Dabra, and Gaulla. The Layers panel on the left shows the following layers:

- Rivers
- Roads
- Villages
- Block\_Boundary
- District\_Boundary

A red arrow points from the title 'Step -6: Add Rivers' to the 'Rivers' layer in the Layers panel. The map also shows various geographical features like hills and valleys, and the overall shape of the region is outlined in black.

# Step -7 Goto Layouts

The screenshot shows the QGIS software interface. The 'Project' menu is open, and the 'New Print Layout...' option is highlighted with a red arrow. The main map area displays a geographical map with various features:

- Rivers:** Blue lines representing water bodies, including the Phlika River, Dhela Nadi, Ramnagar Nadi, Baur Nadi, Bhakra Nadi, Gaulia Nadi, and Deobaba River.
- Roads:** Red lines representing the road network, including NH 121, NH 87E, SH 5, SH 1, SH 14, SH 10, SH 11, SH 12, SH 13, SH 14, SH 15, SH 16, SH 17, SH 18, SH 19, SH 20, SH 21, SH 22, SH 23, SH 24, SH 25, SH 26, SH 27, SH 28, SH 29, SH 30, SH 31, SH 32, SH 33, SH 34, SH 35, SH 36, SH 37, SH 38, SH 39, SH 40, SH 41, SH 42, SH 43, SH 44, SH 45, SH 46, SH 47, SH 48, SH 49, SH 50, SH 51, SH 52, SH 53, SH 54, SH 55, SH 56, SH 57, SH 58, SH 59, SH 60, SH 61, SH 62, SH 63, SH 64, SH 65, SH 66, SH 67, SH 68, SH 69, SH 70, SH 71, SH 72, SH 73, SH 74, SH 75, SH 76, SH 77, SH 78, SH 79, SH 80, SH 81, SH 82, SH 83, SH 84, SH 85, SH 86, SH 87, SH 88, SH 89, SH 90, SH 91, SH 92, SH 93, SH 94, SH 95, SH 96, SH 97, SH 98, SH 99, SH 100.
- Villages:** Red dots representing village locations.
- Block Boundary:** A thick black line representing the boundary of a specific block.
- District Boundary:** A thin black line representing the boundary of a district.

The 'Layers' panel on the left shows the following layers:

- Employment Office
- Health
- IRRIGATION
- Landuse
- Landuse.shp
- Minority Welfare

The 'Layers' panel also shows the following checked layers:

- Rivers
- Roads
- Villages
- Block\_Boundary
- District\_Boundary

The status bar at the bottom shows the following information:

- Coordinate: 276230, 3249345
- Scale: 1:398453
- Magnifier: 100%
- Rotation: 0.0 °
- Render:
- EPSG: 32644

# Step -8 In Add Item-add Label

The screenshot shows the QGIS interface with the 'Add Item' menu open. The 'Add Label' option is highlighted. The main map area displays a 'District Nanital Map' with a legend, scale bar, and north arrow. The right sidebar shows the 'Items' panel with a list of map elements.

**Map Legend:**

- Rivers
- Roads
- Villages
- Block\_Boundary
- District\_Boundary

**Map Elements:**

- North Arrow
- <Scalebar>
- <Legend>
- District Nanital Map
- Map 1

**Item Properties:**

Page Size

Size: Custom

Orientation: Landscape

Width: 252.508 mm

Height: 185.962 mm

Exclude page from exports:

Background:

# Step -9 In Add Item-add Scale Bar

The screenshot shows the QGIS interface during the process of adding a scale bar to a map. The 'Add Item' menu is open, and 'Add Scale Bar' is highlighted. The main map area displays a map titled 'District Nainital Map' with a scale bar indicating 0, 10, and 20 km. The right sidebar shows the 'Items' panel with the scale bar item listed as '<Scalebar>'. Below it, the 'Item Properties' panel is visible, showing the 'Page Size' settings: Size is set to 'Custom', Orientation is 'Landscape', Width is 252.508 mm, and Height is 185.962 mm. The status bar at the bottom indicates the current page is 1 of 1, with a zoom level of 61.6%.

# Step -10 In Add Item-add North Arrow

The screenshot shows the QGIS interface during the process of adding a north arrow to a map. The 'Add Item' menu is open, and 'Add North Arrow' is highlighted. The main map area displays a map titled 'District Nanital Map' with a north arrow and a scale bar. The right sidebar shows the 'Items' panel with 'North Arrow' listed.

**Map Content:**

- Title: District Nanital Map
- Scale: 0, 10, 20 km
- Geographic Features: Phika River, Dhaula Nadi, Ramnagar, Baur Nadi, Bhaula Nadi, Deoria River, NH 121, NH 87E, SH 41, SH 4, SH 5, SH 10, SH 16, SH 17, SH 18, SH 19, SH 20, SH 21, SH 22, SH 23, SH 24, SH 25, SH 26, SH 27, SH 28, SH 29, SH 30, SH 31, SH 32, SH 33, SH 34, SH 35, SH 36, SH 37, SH 38, SH 39, SH 40, SH 41, SH 42, SH 43, SH 44, SH 45, SH 46, SH 47, SH 48, SH 49, SH 50, SH 51, SH 52, SH 53, SH 54, SH 55, SH 56, SH 57, SH 58, SH 59, SH 60, SH 61, SH 62, SH 63, SH 64, SH 65, SH 66, SH 67, SH 68, SH 69, SH 70, SH 71, SH 72, SH 73, SH 74, SH 75, SH 76, SH 77, SH 78, SH 79, SH 80, SH 81, SH 82, SH 83, SH 84, SH 85, SH 86, SH 87, SH 88, SH 89, SH 90, SH 91, SH 92, SH 93, SH 94, SH 95, SH 96, SH 97, SH 98, SH 99, SH 100.

**Software Interface:**

- Menu: Add Item, Atlas, Settings
- Items Panel: North Arrow, <Scalebar>, District Nanital Map, Map 1
- Item Properties Panel: Page Size (Size: Custom, Orientation: Landscape, Width: 252.508, Height: 185.962, mm)

# Step -11 In Add Item-add Legend

The screenshot shows the QGIS interface during the process of adding a legend to a map. The 'Add Item' menu is open, and 'Add Legend' is highlighted. The main map area displays a map titled 'District Nanital Map' with a legend, scale bar, and north arrow. The right sidebar shows the 'Items' panel with a legend item added.

**Map Legend:**

- Rivers
- Roads
- Villages
- Block\_Boundary
- District\_Boundary

**Items Panel:**

- <Legend>
- North Arrow
- <Scalebar>
- District Nanital Map
- Map 1

**Page Size Properties:**

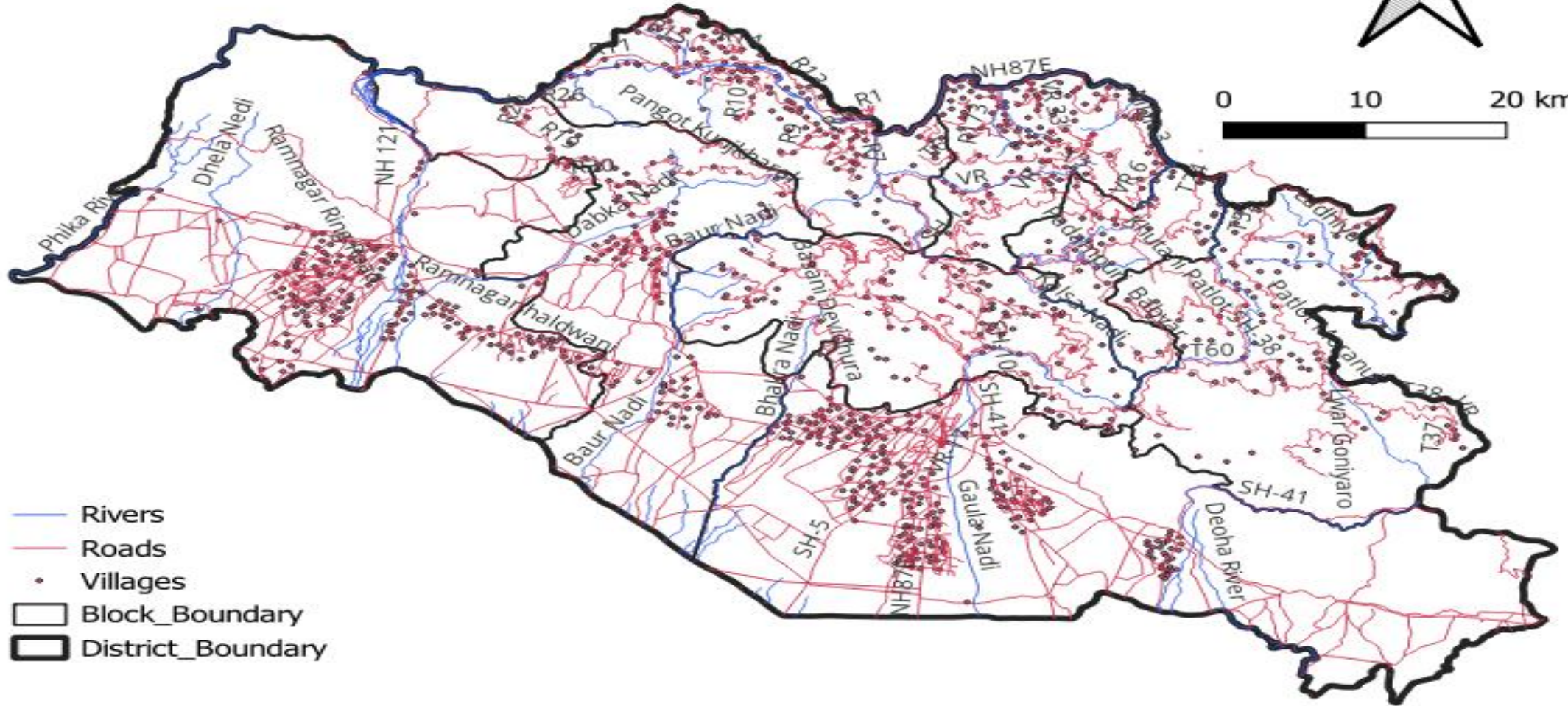
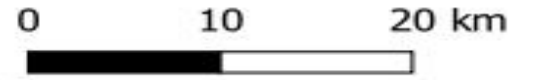
- Size: Custom
- Orientation: Landscape
- Width: 252.508 mm
- Height: 185.962 mm

**Page Information:**

- Page: 1
- Scale: 61.6%

# District Nanital Map

## District Nanital Map



- Rivers
- Roads
- Villages
- Block\_Boundary
- ▭ District\_Boundary

First Day 16<sup>th</sup> December,2023

Time:2:30-3:45 pm

# **HANDS ON EXCERSISE**

**1. Digital Map Making**

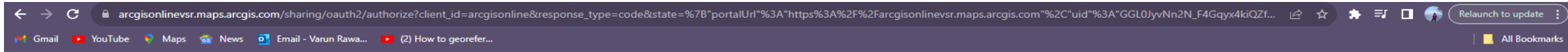
**2. Web GIS**


# 2.Web GIS

Points to add in WebGIS:

- 1.Creation of ArcGIS online profile.
2. Uploading shapefile.
3. Publishing feature layers.
4. Creating WebAppBuilder Application

# Creation of profile







Sign in to ESRI\_Varun 

ArcGIS login

Keep me signed in

[Sign In](#)

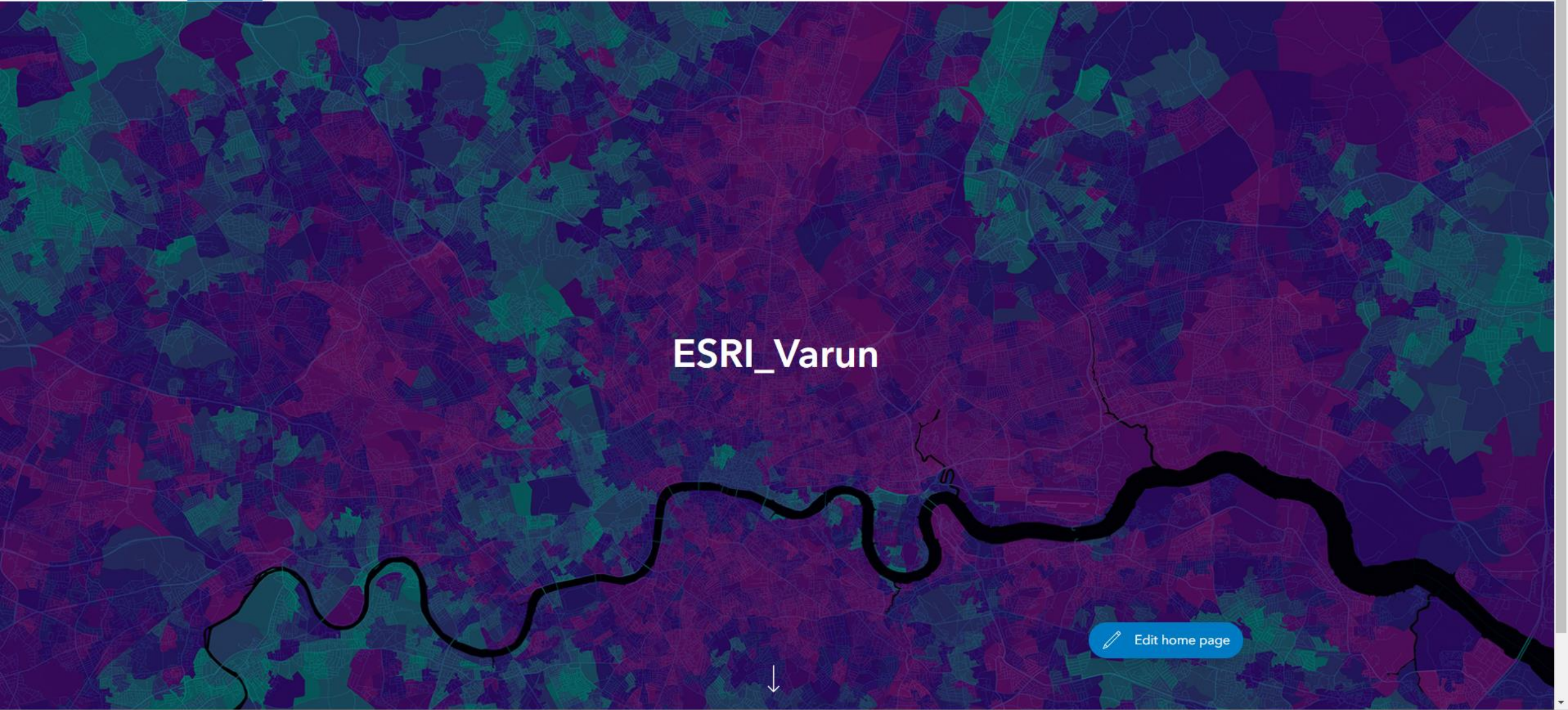
[Forgot username?](#) or [Forgot password?](#)

Not a member of this organization?  
[Sign in to your account on ArcGIS Online](#)

[Privacy](#)





Edit home page

# How to add Content – Click on new Item

The screenshot shows the ArcGIS Online interface. The browser address bar displays the URL: `arcgisonline.sr.maps.arcgis.com/home/content.html?view=table&sortOrder=desc&sortField=modified&folder=70cf7546c43c4c66af1b3357e93e576b#content`. The user is logged in as Varun Rawat (ESRI\_Varun). The navigation menu includes Home, Gallery, Map, Scene, Groups, Content, and Organization. The 'Content' section is active, showing sub-tabs for My Content, My Favorites, My Groups, My Organization, and Living Atlas. A 'New Item' button is highlighted with a red arrow. Below the navigation, there is a search bar for 'Michigan' and a table view toggle. The main content area shows a list of items in the 'Michigan' folder, sorted by 'Modified' date. The list includes various Web Maps and Web Mapping Applications, as well as Feature layers.

Home Gallery Map Scene Groups **Content** Organization

Content My Content My Favorites My Groups My Organization Living Atlas

New Item Create app Search Michigan Table Date modified Filters

Folders

- Filter folders
- All my content
- Iceland
- India
- Italy
- Michigan**
- Romania
- Russia
- Saudi Arabia

Filters

Categories

No Categories Yet

Categories allow members to organize items consistently and provide a simple way to browse content in the organization.

[Set up organization categories](#)

1 - 10 of 10 in Michigan

<input type="checkbox"/>	Title				Modified
<input type="checkbox"/>	Michigan WebMap	Web Map		☆ ...	Nov 24, 2023
<input type="checkbox"/>	Michigan Map WAB	Web Mapping Application		☆ ...	Nov 24, 2023
<input type="checkbox"/>	webappbuilder_Street_Name	Web Mapping Application		☆ ...	Nov 24, 2023
<input type="checkbox"/>	Street Name WAB	Web Mapping Application		☆ ...	Nov 24, 2023
<input type="checkbox"/>	House Number WAB	Web Mapping Application		☆ ...	Nov 24, 2023
<input type="checkbox"/>	webappbuilder_housenumber	Web Mapping Application		☆ ...	Nov 24, 2023
<input type="checkbox"/>	House Number	Web Map		☆ ...	Nov 24, 2023
<input type="checkbox"/>	Street Name	Web Map		☆ ...	Nov 24, 2023
<input type="checkbox"/>	Michigan_Administrative	Feature layer (hosted)		☆ ...	Nov 23, 2023
<input type="checkbox"/>	michigan_administrative_new	Feature layer (hosted)		☆ ...	Nov 22, 2023

# Select Your Device- add Shapefile

The screenshot shows the ArcGIS Online interface with the 'New item' dialog box open. The dialog has a title bar 'New item' with an information icon and a close button. Inside the dialog, there is a dashed box containing a file upload icon and the text 'Drag and drop your file or choose an option'. Below this are four buttons: 'Your device', 'Google Drive', 'Dropbox', and 'OneDrive'. The 'Your device' button is highlighted with a blue border and a red arrow points to it from the top-left of the image. Below the dashed box are six options for creating different types of layers, each with an icon and a description:

- Feature layer**: Create an editable layer with fields copied from a template or feature layer.
- Developer credentials**: Create OAuth 2.0 credentials to build custom applications.
- Tile layer**: Create a fast drawing vector tile layer or raster tile layer.
- URL**: Link to an ArcGIS Server web service, CSV, OGC web service, KML, GeoJSON or a document.
- Application**: Link to an application on the web or create a new registered application.
- Scene layer**: Create a fast drawing scene layer using 3d content.

The background shows the ArcGIS Online navigation menu with 'Content' selected, and a list of folders on the left including 'All my content', 'Iceland', 'India', 'Italy', 'Michigan', 'Romania', 'Russia', and 'Saudi Arabia'. The user's name 'Varun Rawat' is visible in the top right corner.

# Select State\_Boundary and Click Open

The screenshot shows the ArcGIS Online interface with a 'New item' dialog box open. The dialog box has a dashed border and contains the text 'Drag and drop y' and 'Your device'. Below the dialog box, there are three options: 'Feature layer', 'Developer credentials', and 'Tile layer'. A file explorer window is also open, showing a list of files in the 'Administrative' folder. The file 'State\_Boundary' is selected, and the 'Open' button is highlighted. Red arrows point from the title 'Select State\_Boundary and Click Open' to the 'State\_Boundary' file and the 'Open' button.

arcgisonlinevr.maps.arcgis.com/home/content.html?view=table&sortOrder=desc&sortField=modified&folder=70cf7546c43c4c66af1b3357e93e576b#content

Home Gallery Map Scene Groups Content Organization

Content My Content My Favorites My Groups My Organization Living Atlas

New item ⓘ

Drag and drop y

Your device Google

Feature layer  
Create an editable layer with fields copied from a template or feature layer.

Developer credentials  
Create OAuth 2.0 credentials to build custom applications.

Tile layer  
Create a fast drawing vector tile layer or raster tile layer.

Open

Administrative

Name	Date modified	Type	Size
State_Boundary.cpg	11-07-2023 13:01	CPG File	1 KB
State_Boundary.dbf	05-11-2023 09:33	DBF File	1 KB
State_Boundary.prj	11-07-2023 13:01	PRJ File	1 KB
State_Boundary.qpj	11-07-2023 13:01	QPJ File	1 KB
State_Boundary.sbn	03-11-2023 10:54	SBN File	1 KB
State_Boundary.sbx	03-11-2023 10:54	SBX File	1 KB
State_Boundary.shp	11-07-2023 13:01	SHP File	282 KB
State_Boundary.shx	11-07-2023 13:01	SHX File	1 KB
State_Boundary	05-11-2023 09:34	zip	228 KB
Uttarakhand_Block_Boundary.cpg	11-07-2023 13:01	CPG File	1 KB

File name: State\_Boundary

All Files

Open Cancel

# Inside Content select State\_Boundary

The screenshot shows the ArcGIS Online interface. The browser address bar displays the URL: `arcgisonline.sr.maps.arcgis.com/home/content.html?view=table&sortOrder=desc&sortField=modified&folder=ESRI_Varun#content`. The user is logged in as Varun Rawat (ESRI\_Varun). The main navigation bar includes Home, Gallery, Map, Scene, Groups, Content, and Organization. The Content page has sub-tabs for My Content, My Favorites, My Groups, My Organization, and Living Atlas. A search bar is present with the text "Search ESRI\_Varun".

On the left, there is a "Folders" section with a search box and a list of folders: All my content, ESRI\_Varun (selected), Australia, Austria, Canada, China, District\_Boundary\_Almore, and Egypt. Below it is a "Filters" section with a "Categories" dropdown and a message: "No Categories Yet. Categories allow members to organize items consistently and provide a simple way to browse content in the organization." A link "Set up organization categories" is visible at the bottom left.

The main content area shows a table of items. The table has columns for Title, Type, and Modified. A red arrow points to the "State\_Boundary" item in the list.

<input type="checkbox"/>	Title	Type	Modified
<input type="checkbox"/>	State_Boundary	Feature layer (hosted)	Nov 5, 2023
<input type="checkbox"/>	Uttarakhand	Web Map	Nov 5, 2023
<input type="checkbox"/>	State_Boundary	Shapefile	Nov 5, 2023
<input type="checkbox"/>	District_Boundary	Shapefile	Nov 4, 2023
<input type="checkbox"/>	Untitled	Map Document	Nov 4, 2023
<input type="checkbox"/>	Join Features to Book1 view	Table (hosted, view)	Nov 4, 2023
<input type="checkbox"/>	Book1	Table (hosted)	Nov 4, 2023
<input type="checkbox"/>	Book1	Microsoft Excel	Nov 4, 2023
<input type="checkbox"/>	District Boundary	Web Map	Nov 3, 2023
<input type="checkbox"/>	District_Boundary	Feature layer (hosted)	Nov 3, 2023
<input type="checkbox"/>	A Glimpse of the Continents 1	Web Experience	Oct 27, 2023
<input type="checkbox"/>	GIS	Web Mapping Application	Oct 26, 2023
<input type="checkbox"/>	WAB	Web Mapping Application	Oct 20, 2023
<input type="checkbox"/>	MAP Application	Instant App	May 18, 2023

# State Boundary ( Feature Layer-Hosted )

The screenshot shows the ArcGIS Online Content page for the user 'Varun Rawat'. The page displays a list of 24 items in the 'ESRI\_Varun' folder. The items are sorted by 'Modified' date. A red arrow points to the 'State\_Boundary' item, which is a 'Feature layer (hosted)'. The interface includes a navigation bar, search bar, and a left sidebar with folders and filters.

<input type="checkbox"/>	Title	Type	Permissions	Actions	Modified
<input type="checkbox"/>	State_Boundary	Feature layer (hosted)	🔒	☆ ...	Nov 5, 2023
<input type="checkbox"/>	Uttarakhand	Web Map	🔒	☆ ...	Nov 5, 2023
<input type="checkbox"/>	State_Boundary	Shapefile	🔒	☆ ...	Nov 5, 2023
<input type="checkbox"/>	District_Boundary	Shapefile	🔒	☆ ...	Nov 4, 2023
<input type="checkbox"/>	Untitled	Map Document	🔒	☆ ...	Nov 4, 2023
<input type="checkbox"/>	Join Features to Book1 view	Table (hosted, view)	🔒	☆ ...	Nov 4, 2023
<input type="checkbox"/>	Book1	Table (hosted)	🔒	☆ ...	Nov 4, 2023
<input type="checkbox"/>	Book1	Microsoft Excel	🔒	☆ ...	Nov 4, 2023
<input type="checkbox"/>	District Boundary	Web Map	🔒	☆ ...	Nov 3, 2023
<input type="checkbox"/>	District_Boundary	Feature layer (hosted)	🔒	☆ ...	Nov 3, 2023
<input type="checkbox"/>	A Glimpse of the Continents 1	Web Experience	🔒	☆ ...	Oct 27, 2023
<input type="checkbox"/>	GIS	Web Mapping Application	🔒	☆ ...	Oct 26, 2023
<input type="checkbox"/>	WAB	Web Mapping Application	🔒	☆ ...	Oct 20, 2023
<input type="checkbox"/>	MAP Application	Instant App	🔒	☆ ...	May 18, 2023

# State Boundary ( Feature Layer-Hosted )

The screenshot shows the ArcGIS Online interface for a feature layer-hosted item named "State\_Boundary". The browser address bar shows the URL: `arcgisonlinevr.maps.arcgis.com/home/item.html?id=e9db4631bdfc412baf0c733dbad16b9f`. The user is logged in as "Varun Rawat" (ESRI\_Varun). The navigation menu includes Home, Gallery, Map, Scene, Groups, Content, and Organization. The item's title is "State\_Boundary" with an edit icon. The "Data" tab is selected in the top navigation bar. A red arrow points from the title "State\_Boundary" to the "Open in Map Viewer Classic" button in the right-hand menu. The main content area includes a thumbnail of a world map, a description field, a "Layers" section showing a "State\_Boundary Polygon layer", and a "Comments" section with a "Leave a comment" input field. The right-hand menu contains buttons for "Open in Map Viewer Classic", "Open in Scene Viewer", "Open in ArcGIS Desktop", "Publish", "Create View Layer", "Export Data", "Update Data", and "Share". The "Item Information" section shows a progress bar from "Low" to "High" and a "Top Improvement: Add a summary" prompt. The "Details" section lists the source as "Feature Service", creation and update dates, schema update date, size (368 KB), and attachment size (0 KB).

arcgisonlinevr.maps.arcgis.com/home/item.html?id=e9db4631bdfc412baf0c733dbad16b9f

Home Gallery Map Scene Groups Content Organization

State\_Boundary Overview Data Visualization Usage Settings

Edit thumbnail

Add a brief summary about the item.

Feature Layer (hosted) by ESRI\_Varun

Item created: Nov 5, 2023 Item updated: Nov 5, 2023 View count: 19

Add to Favorites

Description

Add an in-depth description of the item.

Layers

State\_Boundary Polygon layer

Terms of Use

Add any special restrictions, disclaimers, terms and conditions, or limitations on using the item's content.

Comments (0)

Leave a comment.

Open in Map Viewer Classic

Open in Scene Viewer

Open in ArcGIS Desktop

Publish

Create View Layer

Export Data

Update Data

Share

Item Information

Low High

Top Improvement: Add a summary

Details

Source: Feature Service

Created from: State\_Boundary, Shapefile

Data updated: Nov 5, 2023, 9:39 AM

Schema updated: Nov 5, 2023, 9:35 AM

Size: 368 KB

Attachments size: 0 KB

# Map Will be displayed

arcgisonlinevr.maps.arcgis.com/apps/mapviewer/index.html?layers=e9db4631bdfc412baf0c733dbad16b9f

Relaunch to update

Open in Map Viewer Classic

Varun Rawat  
ESRI\_Varun

Map showing a large blue-shaded region, likely representing a specific area of interest or a data layer. The map includes geographical features, cities, and roads. The blue-shaded area covers a significant portion of the central and eastern part of the map, extending from the northern mountains down to the plains. The map is displayed in a web browser interface with navigation controls on the right side.

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How to Create WAB(web app builder)

# Click on Create app than choose WebAppBuilder

The screenshot shows the ArcGIS Online interface. At the top, there is a navigation bar with 'Home', 'Gallery', 'Map', 'Scene', 'Groups', 'Content', and 'Organization'. Below this is a secondary navigation bar with 'Content', 'My Content', 'My Favorites', 'My Groups', 'My Organization', and 'Living Atlas'. The main content area has a 'Create app' button highlighted with a red arrow. A dropdown menu is open, showing several options: 'Instant Apps', 'Experience Builder', 'ArcGIS Storymaps', 'Dashboards', 'Web AppBuilder' (highlighted with a red arrow), and 'Configurable Apps'. The 'Web AppBuilder' option is described as 'Create an app by selecting a theme and choosing from a library of widgets.' To the right of the dropdown menu, there is a table of content items with columns for 'Name', 'Type', 'Status', 'Actions', and 'Modified'. The table lists several 'Web Map' and 'Web Mapping Application' items, along with 'Feature layer (hosted)' items.

arcgisonlinevr.maps.arcgis.com/home/content.html?view=table&sortOrder=desc&sortField=modified&folder=70cf7546c43c4c66af1b3357e93e576b#content

Home Gallery Map Scene Groups Content Organization

Content My Content My Favorites My Groups My Organization Living Atlas

New item Create app Search Michigan

Table Date modified Filters

Folders

Filter folders

All my content

Iceland

India

Italy

Michigan

Romania

Russia

Saudi Arabia

Filters

Categories

No Categories

Categories allow you to organize items and provide a simple way to browse content in the organization.

Set up organization categories

Name	Type	Status	Actions	Modified
Web Map	Web Map	Locked	Star	Nov 24, 2023
Web Mapping Application	Web Mapping Application	Locked	Star	Nov 24, 2023
Web Mapping Application	Web Mapping Application	Locked	Star	Nov 24, 2023
Web Mapping Application	Web Mapping Application	Locked	Star	Nov 24, 2023
Web Mapping Application	Web Mapping Application	Locked	Star	Nov 24, 2023
Web Mapping Application	Web Mapping Application	Locked	Star	Nov 24, 2023
Web Mapping Application	Web Mapping Application	Locked	Star	Nov 24, 2023
Web Map	Web Map	Locked	Star	Nov 24, 2023
Web Map	Web Map	Locked	Star	Nov 24, 2023
Feature layer (hosted)	Feature layer (hosted)	Locked	Star	Nov 23, 2023
Feature layer (hosted)	Feature layer (hosted)	Locked	Star	Nov 22, 2023

# Create a web app – Fill the Details

The screenshot shows the ArcGIS Online interface. The top navigation bar includes 'Home', 'Gallery', 'Map', 'Scene', 'Groups', 'Content', and 'Organization'. The user is logged in as 'Varun Rawat' (ESRI\_Varun). The 'Content' tab is active, showing a search bar with 'Michigan' and a table of content items. A 'Create a web app' dialog box is open in the foreground, allowing the user to configure a new web mapping application.

**Create a web app**

2D  3D

Specify a title, tags, and summary for the new web mapping application.

Title:

Tags:

Summary: (Optional)

Save in folder:

**Content List (Background):**

	Modified
<input type="checkbox"/> Title	Nov 24, 2023
<input type="checkbox"/> Michigan	Nov 24, 2023
<input type="checkbox"/> Michigan	Nov 24, 2023
<input type="checkbox"/> webappb	Nov 24, 2023
<input type="checkbox"/> Street Nar	Nov 24, 2023
<input type="checkbox"/> House Nu	Nov 24, 2023
<input type="checkbox"/> webappb	Nov 24, 2023
<input type="checkbox"/> House Nu	Nov 24, 2023
<input type="checkbox"/> Street Nar	Nov 24, 2023
<input type="checkbox"/> Michigan	Nov 23, 2023
<input type="checkbox"/> michigan	Nov 22, 2023

# Inside WAB click on Map and select Uttarakhand

**Uttarakhand WAB** with ArcGIS Web AppBuilder

Theme **Map** Widget Attribute

**Uttarakhand**

Web Map  
Owner ESRI\_Varun  
Last modified: 11/5/2023  
More details...  
[Choose web map ▾](#)

**Uttarakhand**

**Set initial extent**  
Specify the initial map extent when the application starts up.

[Use current map view](#)

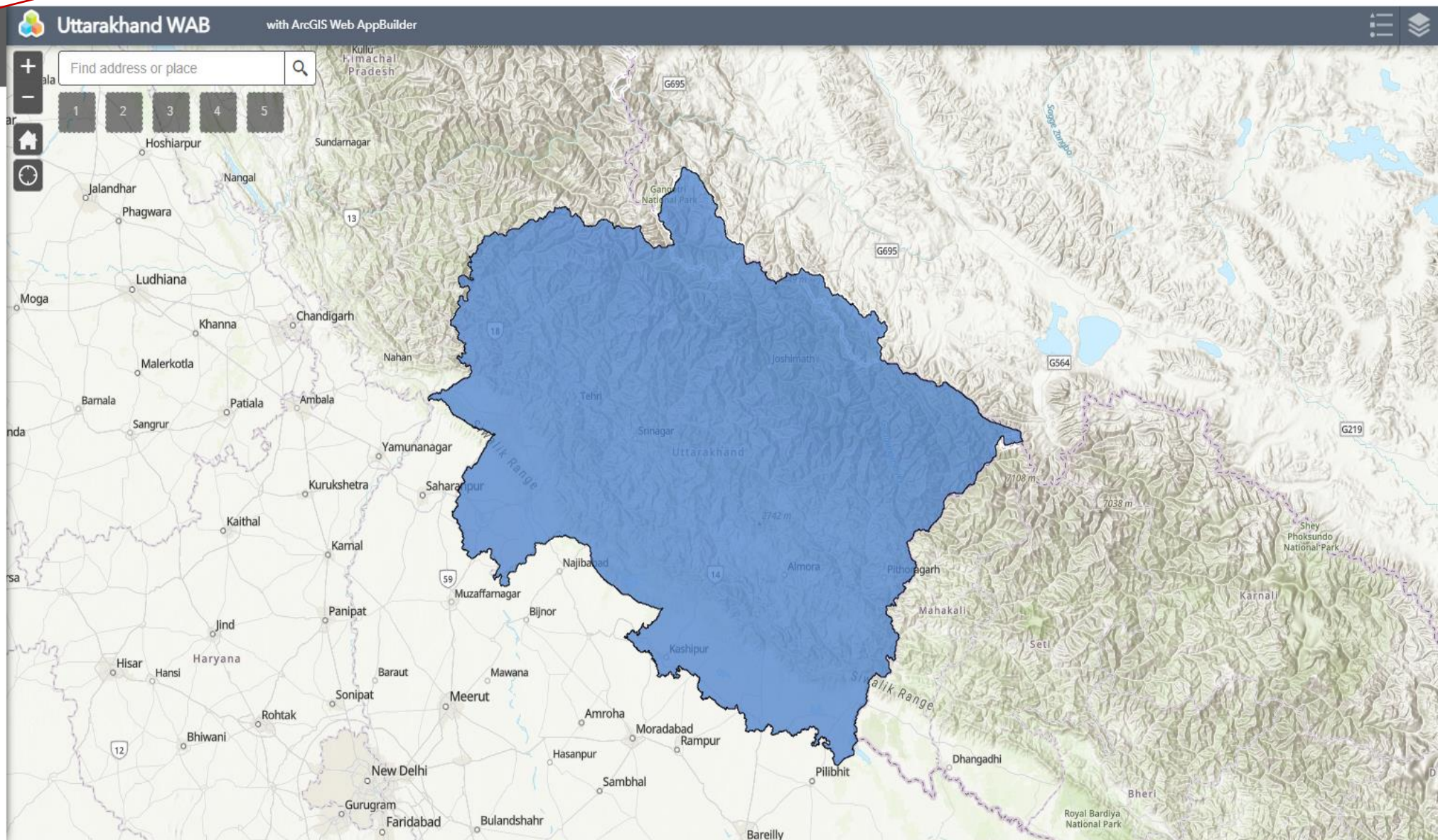
[Use web map's default extent](#)

**Customize visible scales**  
Customize the visible scales of the map to limit or extend the scale levels which the map can zoom to.

[Customize...](#)

**Set refresh interval**  
A refresh interval keeps your layers in sync with the latest data. This setting is only applicable to the layers whose refresh intervals are activated.

[Honor each layer's interval ▾](#)



# After Opening Click on Save

Theme | **Map** | Widget | Attribute

Web Map  
Owner ESRI\_Varun  
Last modified: 11/5/2023  
More details...  
Choose web map ▾

Uttarakhand

### Set initial extent

Specify the initial map extent when the application starts up.

Use current map view

Use web map's default extent

### Customize visible scales

Customize the visible scales of the map to limit or extend the scale levels which the map can zoom to.

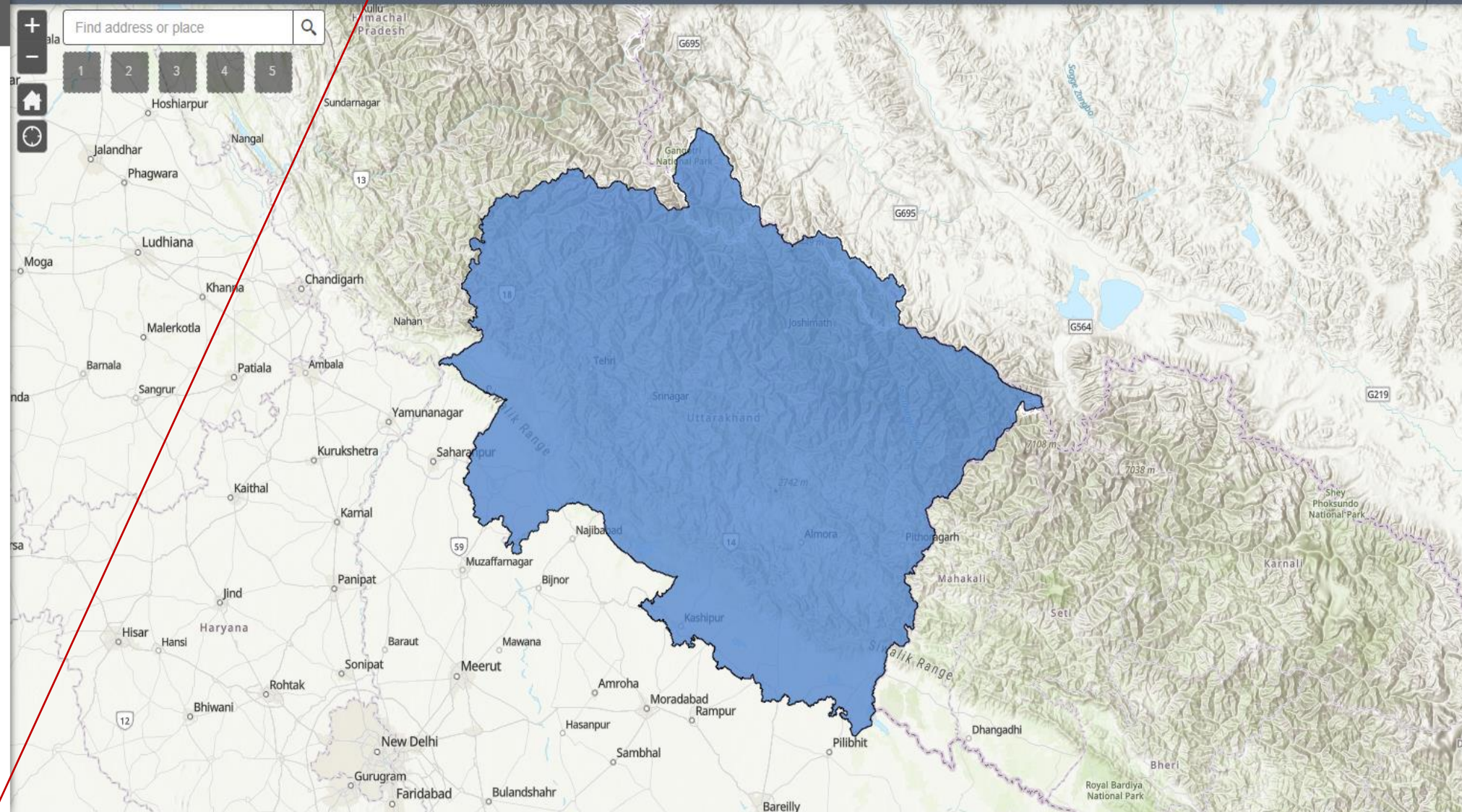
Customize...

### Set refresh interval

A refresh interval keeps your layers in sync with the latest data. This setting is only applicable to the layers whose refresh intervals are activated.

Honor each layer's interval ▾

Uttarakhand WAB with ArcGIS Web AppBuilder



Launch | Previews | **Save**

# Export it as template

arcgisonlinevr.maps.arcgis.com/apps/webappbuilder/index.html?id=3a9d407e73944ea7907f134289c044e6

Home ▾ ArcGIS Web AppBuilder Uttarakhand WAB ©

Theme Map Widget Attribute

Uttarakhand WAB with ArcGIS Web AppBuilder

Find address or place

Uttarakhand

Set initial extent

Specify the initial map extent when the application starts up.

Use current map view

Use web map's default extent

Customize visible scales

Customize the visible scales of the map to limit or extend the scale levels which the map can zoom to.

Customize...

Set refresh interval

A refresh interval keeps your layers in sync with the latest data. This setting is only applicable to the layers whose refresh intervals are activated.

Honor each layer's interval

Save

Save As

Export As Template

Launch | Previews | Save

Scale: 30mi

75.300 28.536 Degrees

Powered by Esri

# Add Title and SubTitle- Click on Export

The screenshot displays the ArcGIS Web AppBuilder interface for a web application titled "Uttarakhand WAB". A "Set Configurable Parameters" dialog box is open, allowing users to customize the application's appearance and behavior. The dialog is divided into three main sections:

- App properties:** A list of customizable attributes including title, subtitle, logo, links, widgetOnScreen, and widgetPool.
- Set configurable parameters to the template:** A section for configuring the template, currently showing an "Attribute" section.
- Attribute:** A section for setting specific attribute values. The "title" is set to "Uttarakhand" and the "subtitle" is set to "WAB".

At the bottom right of the dialog, there are three buttons: "Export" (highlighted in blue), "Saved", and "Close". Red arrows from the main heading point to the "title" and "subtitle" input fields, and another red arrow points from the "Export" button back to the "Export" text in the heading.

# Save the Title

The screenshot shows the ArcGIS Web AppBuilder interface. The main window is titled "Uttarakhand WAB" and displays a map of Uttarakhand. A "Set Configurable Parameters" dialog box is open, showing "App properties" and "Attribute" sections. The "App properties" section includes fields for "title", "subtitle", "logo", "links", "widgetOnScreen", and "widgetPool". The "Attribute" section includes fields for "title" and "subtitle". A smaller "Export as web app template" dialog box is overlaid on top, with a red arrow pointing from the "Save the Title" text to the "Title" field. The "Export as web app template" dialog box contains the following information:

- Title: Uttarakhand Web App Builder
- Tags: template x Add tag(s)
- Description: A configurable application template generated by Web AppBuilder.
- Save in the folder: ESRI\_Varun

Buttons for "OK" and "Cancel" are visible at the bottom of the dialog box. The background interface shows a search bar, a map, and various toolbars.

# Item Exported, Now goto Content

The screenshot shows the ArcGIS Web AppBuilder interface for an application named 'Uttarakhand WAB'. A 'Set Configurable Parameters' dialog box is open, displaying 'App properties' (title, subtitle, logo, links, widgetOnScreen, widgetPool) and 'Attribute' settings (title, subtitle). A red arrow points from the top of the page to the 'Export as web app template' button in the dialog. An error message dialog is displayed in the foreground, stating: 'Exported successfully! However, it seems that you don't have permission to share the template [item](#) to the template group specified in your organization. You need to manually add it to the group once it is accessible.' The error message has an 'OK' button. The background shows a map of Uttarakhand with various cities and a search bar.

# Choose Uttarakhand Web App Builder

The screenshot shows the ArcGIS Online interface. The top navigation bar includes 'Home', 'Gallery', 'Map', 'Scene', 'Groups', 'Content', and 'Organization'. The 'Content' tab is active, and the 'My Content' sub-tab is selected. The user 'Varun Rawat' is logged in. The main content area displays a list of items in the 'ESRI\_Varun' folder, sorted by 'Modified' date. A red arrow points to the 'Uttarakhand Web App Builder' item.

Content

My Content My Favorites My Groups My Organization Living Atlas

New item Create app Search ESRI\_Varun Table Date modified Filters

Folders

- All my content
- ESRI\_Varun
- Australia
- Austria
- Canada
- China
- District\_Boundary\_Alhora
- Egypt

Filters

Categories

No Categories Yet

Categories allow members to organize items consistently and provide a simple way to browse content in the organization.

Set up organization categories

1 - 20 of 26 in ESRI\_Varun

<input type="checkbox"/>	Title				Modified
<input type="checkbox"/>	Uttarakhand WAB	Web Mapping Application		☆ ...	Dec 8, 2023
<input type="checkbox"/>	Uttarakhand Web App Builder	Web Mapping Application		☆ ...	Dec 8, 2023
<input type="checkbox"/>	State_Boundary	Feature layer (hosted)		☆ ...	Dec 2, 2023
<input type="checkbox"/>	Uttarakhand	Web Map		☆ ...	Nov 5, 2023
<input type="checkbox"/>	State_Boundary	Shapefile		☆ ...	Nov 5, 2023
<input type="checkbox"/>	District_Boundary	Shapefile		☆ ...	Nov 4, 2023
<input type="checkbox"/>	Untitled	Map Document		☆ ...	Nov 4, 2023
<input type="checkbox"/>	Join Features to Book1 view	Table (hosted, view)		☆ ...	Nov 4, 2023
<input type="checkbox"/>	Book1	Table (hosted)		☆ ...	Nov 4, 2023
<input type="checkbox"/>	Book1	Update sharing, Sharing level: Owner.		☆ ...	Nov 4, 2023
<input type="checkbox"/>	District Boundary	Web Map		☆ ...	Nov 3, 2023
<input type="checkbox"/>	District_Boundary	Feature layer (hosted)		☆ ...	Nov 3, 2023
<input type="checkbox"/>	A Glimpse of the Continents 1	Web Experience		☆ ...	Oct 27, 2023
<input type="checkbox"/>	GIS	Web Mapping Application		☆ ...	Oct 26, 2023

# Click on View

Edit thumbnail



Add to Favorites

A configurable application template generated by Web AppBuilder.

Web Mapping Application by ESRI\_Varun

Item created: Dec 8, 2023 Item updated: Dec 8, 2023 View count: 0

Edit

View

Share

## Description

Add an in-depth description of the item.

Edit

## Item Information

Learn more

Low

High

Top Improvement: Add a longer summary

## Terms of Use

Add any special restrictions, disclaimers, terms and conditions, or limitations on using the item's content.

Edit

## Details

Size: 1 KB

ID: 54155ada91d04e04a86332dd4d9094e9

API: JavaScript

Purpose: Self-configurable

☆☆☆☆☆



Share

Edit



Owner

Change owner

## Comments (0)

Leave a comment.



Leave a comment.

Comment

# WAB web app builder ready to use.

Uttarakhand WAB with ArcGIS Web AppBuilder

Find address or place

State\_Boundary

Options Filter by map extent Zoom to Clear selection Refresh

Name	Laizerfiche	State
Uttarakhand	<a href="https://lf-web.globalsolgroup.com/lazerfiche/Browse.aspx?repo=GIS#?id=1">https://lf-web.globalsolgroup.com/lazerfiche/Browse.aspx?repo=GIS#?id=1</a>	05

1 features 0 selected

Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatasystelsen, Rijkswaterstaat, GSA, Geoland, FE...