

CEREO Living Atlas

Editing Local ArcGIS data

Center for Environmental Research, Education, and Outreach (CEREO)



Living Atlas Development Team

Garoutte, Zachary

Simmons, Jonathan

Gao, Yaru

October 5th, 2025

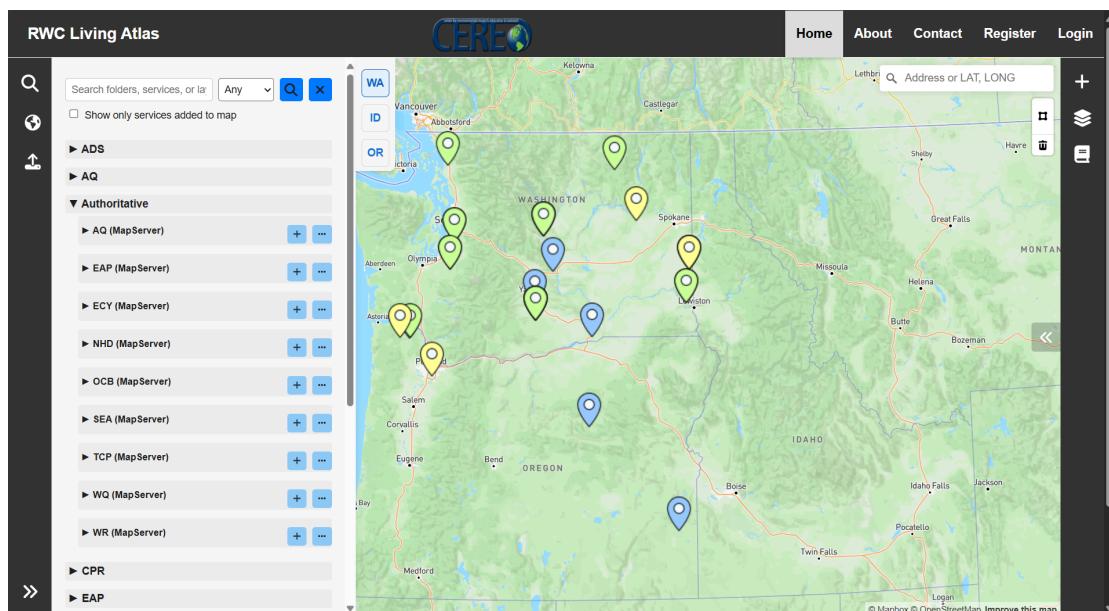
Table of Contents

Table of Contents.....	2
Introduction.....	3
Set-up.....	3
Locate the Data Files.....	4
Rename Items.....	5
Delete Unwanted Items.....	6
Deploy Updates to the Frontend.....	6
Contact Information.....	7

Introduction

This document will guide you through the process of editing the ArcGIS data displayed in the upload panel (the side panel on the left side of the image below) of the CEREO Living Atlas web application. You will modify the data files and apply your changes to the app.

The changes will be applied to the content of the upload panel.



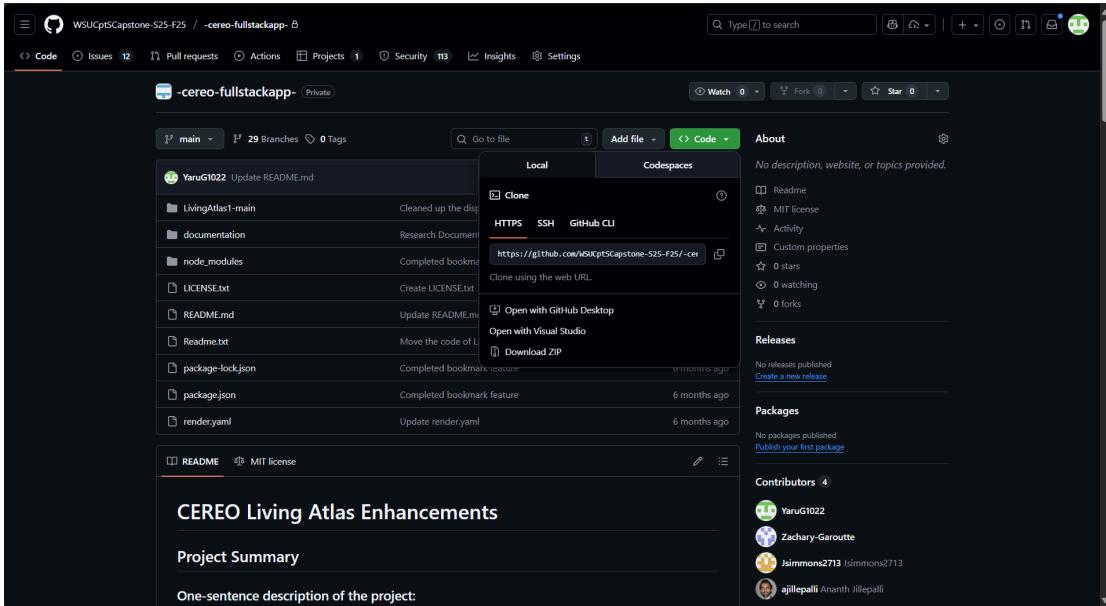
('In the upload panel, 'ADS', 'AQ', and 'Authoritative' are folders, while 'AQ (MapServer)' and 'EAP (MapServer)' are services.)

Set-up

Choose one of the following options:

- Download the app by selecting Download ZIP, then extract it to your desired directory.
- Open with GitHub Desktop (requires the GitHub Desktop application).
- Open with Visual Studio (requires Visual Studio).

If you already have the application set up, you can skip this step.



Locate the Data Files

Navigate to the directory: `../-cereo-fullstackapp-/LivingAtlas1-main/client/src`

In this directory, you will find JSON files with the prefix '`arcgis_services_`'. These files store the fetched ArcGIS data URLs. There are three JSON files:

- **`arcgis_services_wa.json`** – ArcGIS data for Washington
- **`arcgis_services_id.json`** – ArcGIS data for Idaho
- **`arcgis_services_or.json`** – ArcGIS data for Oregon

<code>arcgis_services_id.json</code>	9/21/2025 9:46 PM	JSON Source File	79 KB
<code>arcgis_services_or.json</code>	9/21/2025 9:46 PM	JSON Source File	6 KB
<code>arcgis_services_wa.json</code>	9/22/2025 11:43 AM	JSON Source File	33 KB

Open a JSON file. Inside, the data is stored in the following format, where each object represents a service in the upload panel. The attributes of objects are:

- **`key`** - Unique ID for the service (e.g., "ADS_eim_mc_MapServer")
- **`label`** - Display name shown to users (e.g., "eim_mc (MapServer)")
- **`url`** - Web service endpoint for accessing the data
- **`folder`** - Organization category on the server (e.g., "ADS", "WQ")
- **`type`** - Service capability type:
 - MapServer - Map images and basic queries
 - FeatureServer - Vector data and editing
 - GeocodeServer - Address/location lookup

- GPServer - Geoprocessing tools
- GeometryServer - Geometric operations
- **state** - Geographic coverage area ("washington", "idaho", "oregon")

```
[  
  {  
    "key": "ADS_eim_mc_MapServer",  
    "label": "eim_mc (MapServer)",  
    "url": "https://gis.ecology.wa.gov/serverext/rest/services/ADS/eim_mc/MapServer",  
    "folder": "ADS",  
    "type": "MapServer",  
    "state": "washington"  
  },  
  {  
    "key": "ADS_eim_prod_insert_MapServer",  
    "label": "eim_prod_insert (MapServer)",  
    "url": "https://gis.ecology.wa.gov/serverext/rest/services/ADS/eim_prod_insert/MapServer",  
    "folder": "ADS",  
    "type": "MapServer",  
    "state": "washington"  
  },  
  {  
    "key": "ADS_eim_prod_search_MapServer",  
    "label": "eim_prod_search (MapServer)",  
    "url": "https://gis.ecology.wa.gov/serverext/rest/services/ADS/eim_prod_search/MapServer",  
    "folder": "ADS",  
    "type": "MapServer",  
    "state": "washington"  
  },  
  {  
    "key": "ADS_eim_prod_search_external_MapServer",  
    "label": "eim_prod_search_external (MapServer)",  
    "url": "https://gis.ecology.wa.gov/serverext/rest/services/ADS/eim_prod_search_external/MapServer",  
    "folder": "ADS",  
    "type": "MapServer",  
    "state": "washington"  
  },  
]
```

Rename Items

Since the Living Atlas only uses MapServer, items with other type attributes are not displayed in the app. You can ignore those and edit only the MapServer items.

Rename a service: Change the label attribute (e.g. eim_mc (MapServer)) to the desired name.

```
{  
  "key": "ADS_eim_mc_MapServer",  
  "label": "eim_mc (MapServer)",  
  "url": "https://gis.ecology.wa.gov/serverext/rest/services/ADS/eim_mc/MapServer",  
  "folder": "ADS",  
  "type": "MapServer",  
  "state": "washington"  
},
```

Rename a folder: Change the folder attribute (e.g. ADS) of all items in that folder to the desired name.

```
[  
  {  
    "key": "ADS_eim_mc_MapServer",  
    "label": "eim_mc (MapServer)",  
    "url": "https://gis.ecology.wa.gov/serverext/rest/services/ADS/eim_mc/MapServer",  
    "folder": "ADS",  
    "type": "MapServer",  
    "state": "washington"  
  },  
  {  
    "key": "ADS_eim_prod_insert_MapServer",  
    "label": "eim_prod_insert (MapServer)",  
    "url": "https://gis.ecology.wa.gov/serverext/rest/services/ADS/eim_prod_insert/MapServer",  
    "folder": "ADS",  
    "type": "MapServer",  
    "state": "washington"  
  },  
  {  
    "key": "ADS_eim_prod_search_MapServer",  
    "label": "eim_prod_search (MapServer)",  
    "url": "https://gis.ecology.wa.gov/serverext/rest/services/ADS/eim_prod_search/MapServer",  
    "folder": "ADS",  
    "type": "MapServer",  
    "state": "washington"  
  },  
]
```

Delete Unwanted Items

To remove a service, select the entire object (including the trailing comma) and delete it.

```
{  
  "key": "ADS_eim_mc_MapServer",  
  "label": "eim_mc (MapServer)",  
  "url": "https://gis.ecology.wa.gov/serverext/rest/services/ADS/eim_mc/MapServer",  
  "folder": "ADS",  
  "type": "MapServer",  
  "state": "washington"  
},
```

Deploy Updates to the Frontend

1. Navigate to the build directory build by running ‘cd *LivingAtlas1-main/client/build*’ in the command terminal.
Then run ‘*npm run build*’.

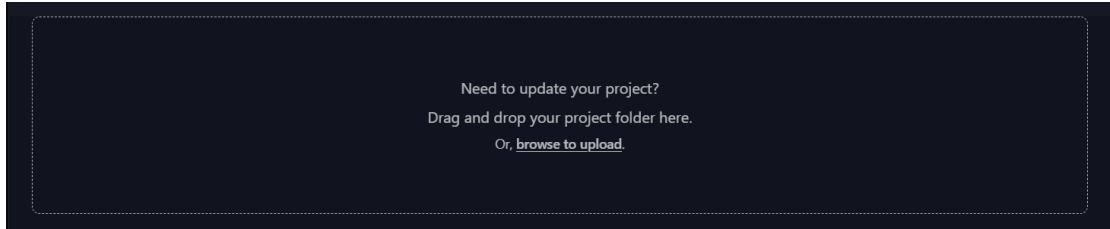
```
● PS C:\Users\yarug\Documents\GitHub\cereo-fullstackapp-> cd LivingAtlas1-main/client/build  
● PS C:\Users\yarug\Documents\GitHub\cereo-fullstackapp\LivingAtlas1-main\client\build> npm run build
```

2. After the build process is complete, go to the Netlify project deploy page:
<https://app.netlify.com/projects/willow-twilight-157839/deploys>.

Log in (if prompted) with:

- Email: cereo.atlas@gmail.com
- Password: ‘CereoAtlas5689!’.

3. Scroll to the bottom, select Browse to upload, and choose the /build directory you just created (i.e., .../LivingAtlas1-main/client/build).



Your changes will now be applied to the CEREO Living Atlas application. Revisit the homepage to confirm:

<https://willowy-twilight-157839.netlify.app/>

Contact Information

If you encounter an issue you cannot resolve, feel free to contact us.

Yaru Gao (yaru.gao@wsu.edu)

Zachary Garoutte (zachary.garoutte@wsu.edu)

Jonathan Simmons (jonathan.j.simmons@wsu.edu)