





WEB MAPPING – AN INTRODUCTION TO ARCGIS ONLINE

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WORKSHOP OBJECTIVE

- To provide a basic understanding of the capabilities of ArcGIS Online so that you can determine if it is useful for the work you do.
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WHAT IS ARCGIS ONLINE?

- A web-based collaborative platform hosted by Esri that allows you to use, create, manage, analyze, and share maps, apps, and data.
 - <http://arcgis.com>
 - Released: late 2012
 - Quarterly update cycle
 - Continuing evolution from desktop to web GIS
 - U of I is afforded organizational access through our Statewide Esri GIS Software Site License

ARCGIS ONLINE FEATURES



Apps



Ready to use maps & data – Living Atlas



Make your own maps & add your data



Organize & document items; create groups; share items



Perform geoprocessing analysis



Security/privacy/compliance



Developer tools

APPS



Apps for the field

Take GIS into the field



Apps for the office

Explore and analyze data
in the office



Apps for the community

Share information



App builders

Build applications



Collector for ArcGIS

Efficient, accurate data collection on smartphones or tablets replaces paper forms. Respond, record, work on- or offline, and sync automatically.



Navigator for ArcGIS

Improve workforce reliability. Navigate directly to assets even when offline. Interact seamlessly with Collector for ArcGIS and other apps to save time.



Operations Dashboard for ArcGIS

Get a real-time view and common operating picture. Add data feeds to events or daily operations. Integrate maps, charts, gauges, and histograms.



Explorer for ArcGIS

Access asset data, search for places and features, or sketch on the map; highlight important aspects. Share useful maps with the public.



Workforce for ArcGIS

Staff and apps can work together. Sync with other apps to get assignments, navigate to them, and collect data in one workflow, on one mobile device.



Survey123 for ArcGIS

Use a form-based survey interface in a lightweight, intuitive app. In just a few clicks you can collect, manage, and analyze survey results.

APPS FOR THE FIELD



Map Viewer

Create beautiful maps you can embed in websites or add to apps. Use data-driven workflows, intelligent defaults, coordinated styling, and automated scale ranges.



Scene Viewer

View, create, and share 3D scenes in a browser. Add your own data and layers to basemaps and 3D maps. Display more data in pop-up windows and infographics.



ArcGIS Pro

The latest addition to ArcGIS Desktop. Create 2D and 3D maps. Edit and analyze data faster than ever using a new, high-performance 64-bit architecture.



ArcMap

Part of ArcGIS Desktop, ArcMap is an advanced cartographic authoring, data editing, spatial and imagery analysis, and workflow automation application.



ArcGIS Earth

This interactive globe lets you explore the world. Quickly display 3D and 2D map data, including KML, and sketch placemarks to easily understand spatial information.



ArcGIS Maps for Power BI

Microsoft Power BI users can tap into the power of geospatial analytics, and access new map themes, demographic data, and map visualizations, inside Power BI.



ArcGIS Maps for Office

Microsoft Excel and PowerPoint users can use the power of maps to ask location-related questions of their data. Get new insights to make smarter decisions.



ArcGIS Business Analyst

Get location-based insight for market planning, site selection, and customer segmentation plus 15,000+ variables of market data for maps, analytics, and reports.

APPS FOR THE OFFICE



ArcGIS Community Analyst

See the impact of policy decisions to prioritize community projects or place new facilities. Use global data to create what-if scenarios and comparison reports.



GeoPlanner for ArcGIS

Use geodesign to manage data and workflows, create scenarios, assess plans, and prepare reports for land use, forestry management, or landscape architecture.



ArcGIS Maps for SharePoint

Turn lists or data into color-coded, point, clustered point, or heat maps. Enrich key business measures with demographic and lifestyle data from Esri.



Esri CityEngine

The advanced 3D city design application for creating, editing, and sharing 3D building models and massive urban environments.



ArcGIS Maps for Adobe Creative Cloud

Design and communications professionals can choose maps inside of Adobe's design apps and access them as vector or raster layers.



Drone2Map for ArcGIS

Streamline the creation of professional imagery products from drone-captured imagery for visualization and analysis in ArcGIS.



Insights for ArcGIS

Interactively explore and analyze your data – from ArcGIS sources, Excel and CSV spreadsheets – all in one experience.

APPS FOR THE OFFICE



Esri Story Maps

Tell stories that inform, engage, and inspire your audience. Combine web maps with narrative text, photos, and other media.



ArcGIS Open Data

Share your authoritative information through public-facing websites where people can search and download the data they need in a variety of open formats.



Configurable Apps

Choose from a comprehensive set of templates to quickly configure focused apps, for example for parcel editing or displaying social content.



Quick Report Template

Create a citizen engagement native app that allows users to capture an observation and submit it to an or service.



Crowdsource Reporter

Users can report problems or observations then track the status. They can also comment and vote on reports or observations submitted by other users.



Crowdsource Manager

Review problems or observations submitted by users. Look for patterns and clusters, review problem details, update status, and assign responsibility.



Crowdsource Polling

Solicit feedback on plans and proposals to gauge public sentiment. Users can comment, vote, and participate in open discussions.



Photo Survey

Publish street-level photo collectic and conduct focused property sur to identify blight, damaged structu or construction activity.

APPS FOR THE COMMUNITY



AppStudio for ArcGIS

Convert maps into mobile apps for Android, iOS, Windows, OS X, and Linux. Publish apps using your own brand, or share internally. No



Web AppBuilder for ArcGIS

Create HTML/JavaScript apps with ready-to-use widgets that run on any device. Customize the look with configurable themes. No coding



Configurable Apps

Choose from a comprehensive set of templates to quickly configure focused apps, for example for parcel editing or displaying social content.



Esri Story Maps

Tell stories that inform, engage, and inspire your audience. Combine web maps with narrative text, photos, and other media.

APP BUILDERS

APPS

- More information
 - <http://www.arcgis.com/features/apps/>

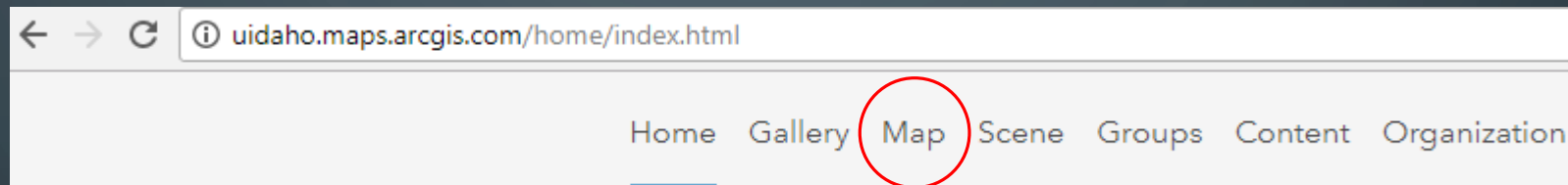
READY TO USE MAPS & DATA LAYERS



- Living Atlas of the World
 - Collection of geographic information from Esri and its partners
 - <https://livingatlas.arcgis.com/en/>

MAKE MAPS & ADD CONTENT

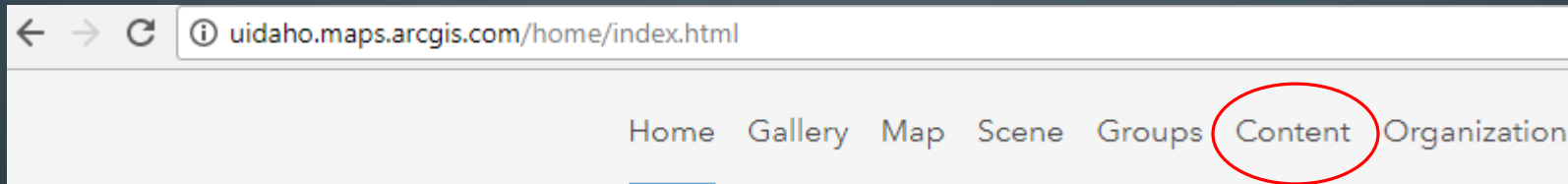
- Make Maps
 - Map Viewer



- Add data from Living Atlas, CSV, shapefiles, other
- Items you can add to ArcGIS Online
 - In addition to geographic content you can add .PDF, .PPT, .DOC, others
 - <http://doc.arcgis.com/en/arcgis-online/reference/supported-items.htm>

MANAGING CONTENT

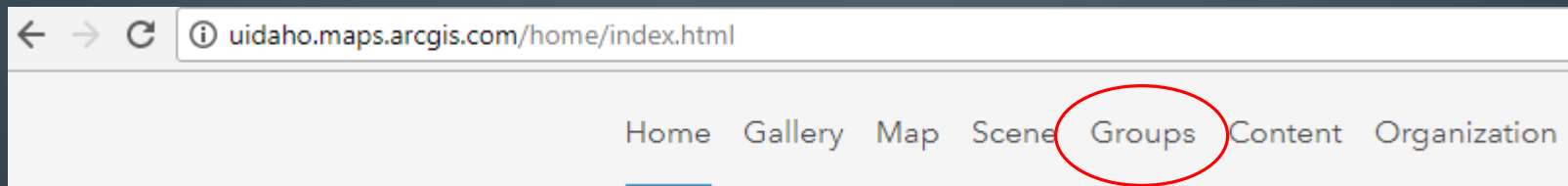
- “Content” tab



- Create folders
- Create/add/move/delete/share items
- Link to view item details (documentation, usage statistics, settings)

GROUPS

- “Groups” tab



- A collection of items usually related to a specific area of interest
- Create and manage groups (name, describe, who can view/contribute)

GROUPS

- Item Updates

Updates to an item can include changes to the item's description, tags, metadata, as well as content. This option can't be disabled once the group has been created.

Who can view this group?

- ☐ Only group members
- ☐ People in the organization (University of Idaho)
- ☒ Everyone (public)

Who can join this group?

- ☐ Those who request membership and are approved by a group manager
- ☒ Only those invited by a group manager
- ☐ Anyone

Who can contribute content to the group?

- ☒ Group members
- ☐ Only group owner and managers

What items in the group can its members update? ?

- ☒ Only their own items
- ☐ All items (group membership is limited to the organization)

SHARING ITEMS



- All items are 'private' by default
- Users choose to make them available more broadly
- Groups can include members of other ArcGIS Online organizations (e.g. governmental or other academic institutions)

PERFORM GEOPROCESSING ANALYSIS

▼ Summarize data

Aggregate Points

Join Features

Summarize Nearby

Summarize Within

▼ Use proximity

Create Buffers

Create Drive-Time Areas

Find Nearest

Plan Routes

Connect Origins to
Destinations

▼ Find locations

Find Existing Locations

Derive New Locations

Find Similar Locations

Choose Best Facilities

Create Viewshed

Create Watersheds

Trace Downstream

▼ Data enrichment

Enrich Layer

▼ Analyze patterns

Calculate Density

Find Hot Spots

Find Outliers

Interpolate Points

▼ Manage data

Extract Data

Dissolve Boundaries

Merge Layers

Overlay Layers

PERFORM GEOPROCESSING ANALYSIS

- More information:
 - <http://doc.arcgis.com/en/arcgis-online/analyze/perform-analysis.htm>

SECURITY/PRIVACY/COMPLIANCE



The screenshot shows the 'Trust ArcGIS' website. The header is blue with the title 'Trust ArcGIS' and navigation links: 'Trust', 'ArcGIS Online Status', 'Security', 'Privacy', and 'Compliance'. The main heading is 'ArcGIS—The secure and trustworthy location platform'. Below this is a graphic of three maps with a large blue padlock icon in the center. To the right of the graphic is a list of resources available on the site. At the bottom left is a green button that says 'CHECK SYSTEM STATUS'. At the bottom right is a paragraph of text about the site's purpose and a link to 'ArcGIS Ideas'.

Trust ArcGIS

Trust ArcGIS Online Status Security Privacy Compliance

ArcGIS—The secure and trustworthy location platform

Trust.ArcGIS.com is your go to resource for security, privacy, and compliance information. Find:

- ArcGIS Online service availability, system performance information, and status history
- Security updates and current alerts
- Product security information for the ArcGIS platform
- Best security practices for your organization
- Privacy and compliance information

Trust.ArcGIS.com is inspired by conversations with our customers. What would you like to see here? If you have suggestions, please post them to [ArcGIS Ideas](#).

CHECK SYSTEM STATUS

- <http://trust.arcgis.com>

LEARNING RESOURCES

- [Esri Training](#)
 - Part of our site license
 - Learning Plans, Course Catalog, other self-paced resources
- [Esri ArcGIS Online Resources](#)
 - Blog, Tips & Tricks, Documentation, Videos, others
- Esri Technical Support
 - Part of our site license
- [U of I Library GIS Services](#)

ACCESS FOR U OF I

- Organization
 - Site license for those affiliated with U of I
 - U of I Research & Teaching - <https://uidaho.maps.arcgis.com/home/signin.html>
 - Sign in using U of I Vandal NetID
- Note that there are options other for business and personal use

DEMO

- <https://uidaho.maps.arcgis.com>

ANNOUNCEMENTS

GIS Day @ University of Idaho

The logo for GIS Day, featuring the words "GIS" in a bold, sans-serif font and "day" in a lowercase, script-like font, with a stylized arc connecting the two.

*Advancing Science and Community Through
GIS and Drone Technologies*

November 18, 2020

**Live Streaming Virtual Event
University of Idaho**



A decorative graphic consisting of thin, grey, stylized circuit lines with small circles at the ends, extending horizontally from the left and right sides of the central black box.

QUESTIONS?

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