



ArcGIS Online ArcGIS Living Atlas What's new & the road ahead

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ENERGY RESOURCES GIS CONFERENCE 2022

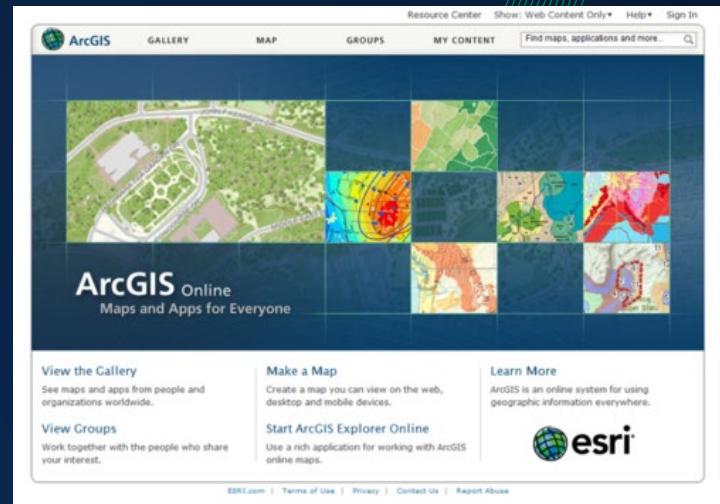
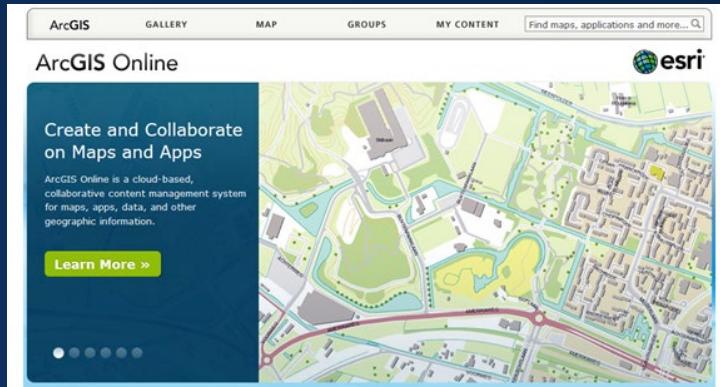
May 4-5 Houston, Texas



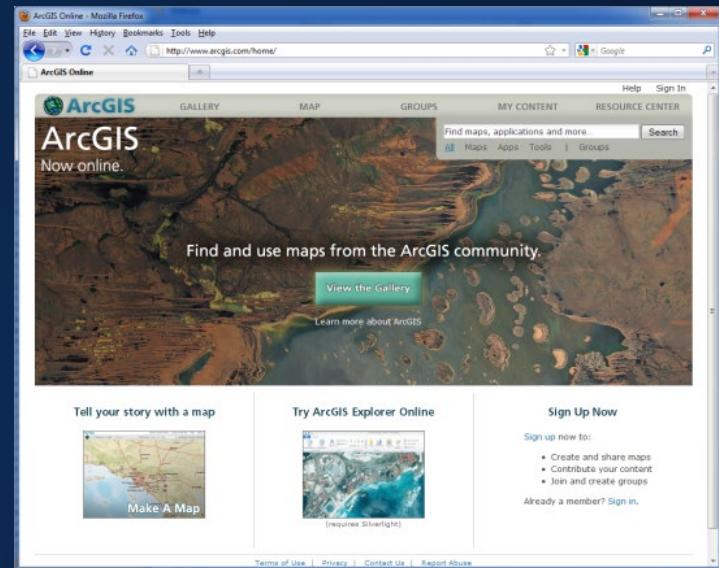
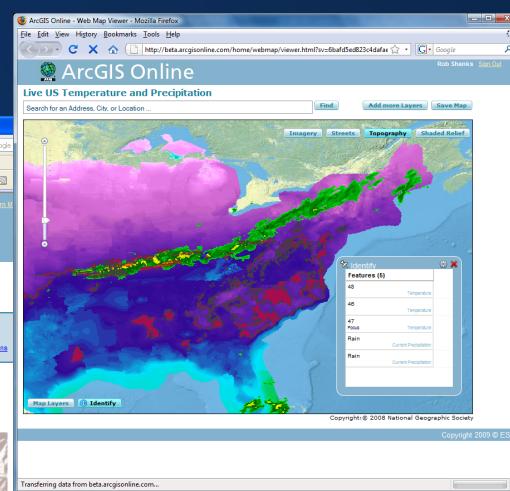
2007 | ArcGIS Online

ArcGIS Online is an integrated part of ArcGIS, providing data, tools, and sharing.

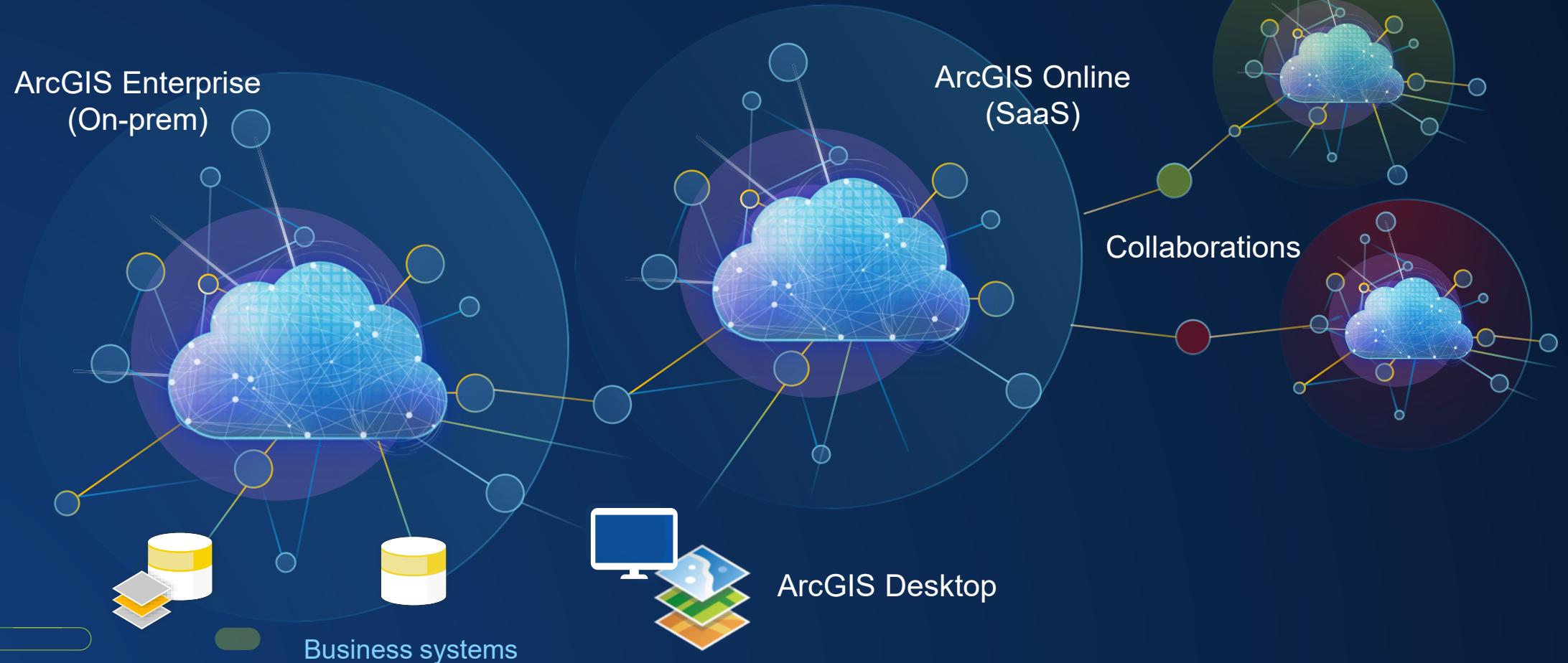
The screenshot shows the ArcGIS Online interface at version 9.3.1. It features a central map viewer displaying a detailed urban area. To the left, there's a circular graphic with icons for a globe, a computer monitor, and a server, labeled "ArcGIS Users". Below this are sections for "Default maps, layers Subscription maps", "Sharing", and "Search – Discover – Use*". A legend on the right lists features like Gazetteer, Routing, Geocoding, and More... The bottom of the page includes a copyright notice for ESRI and a link to the ArcGIS Online at 9.3.1 page.



This block contains two screenshots of the ArcGIS Online Beta interface. The left screenshot is from Microsoft Internet Explorer and shows a catalog of services, a user guide, and a FAQ section. The right screenshot is from Windows Internet Explorer and shows a search bar and a "Content" tab. Both pages include links to ArcGIS Desktop and ArcGIS Explorer, and mention that ArcGIS Online services are available on the Web.



ArcGIS Online and ArcGIS Enterprise



ArcGIS Online core

Products with interdependencies, released simultaneously

- ArcGIS Online (Map Viewer, Home,...)
- ArcGIS Instant Apps
- ArcGIS Dashboards
- ArcGIS Experience Builder
- ArcGIS Web AppBuilder



Key development areas

Evolving with needs, platforms, architectures, and technologies

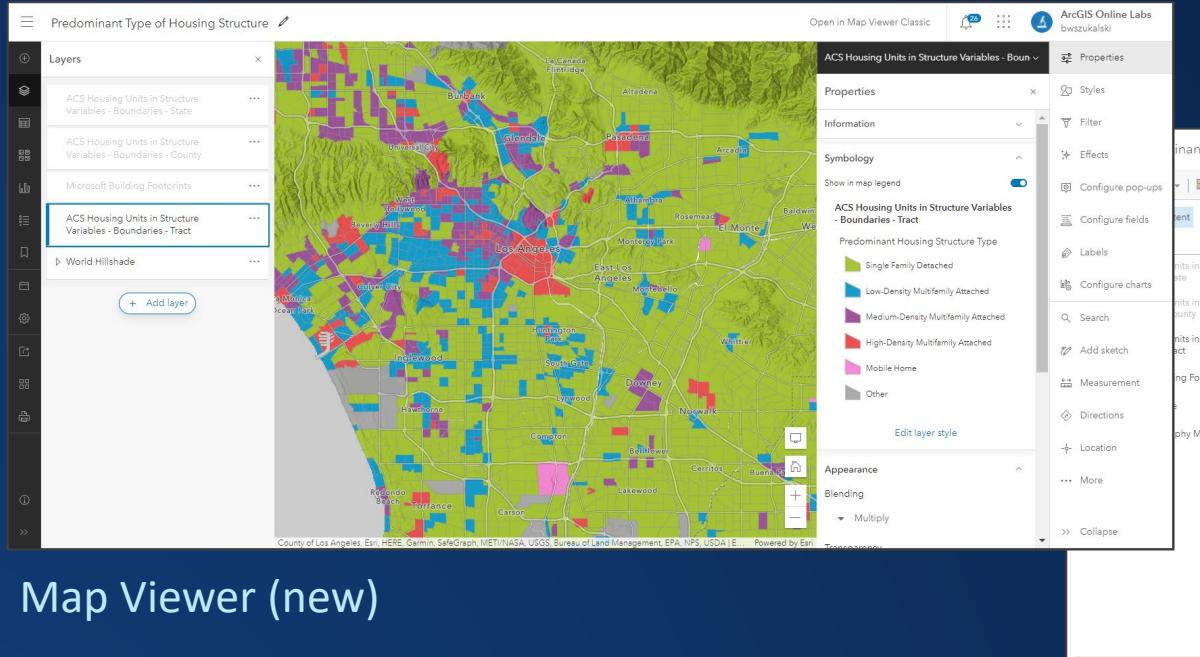
- Map authoring and visualization (Map Viewer, Scene Viewer)
 - Smart mapping, styles, blending, effects
- Apps & App Builders
- Sharing and collaboration
- Data and service management
- Content (ArcGIS Living Atlas)
- Arcade
- Accounts and administration
- Extensions

ArcGIS Online quarterly updates
ArcGIS Enterprise updated with new versions



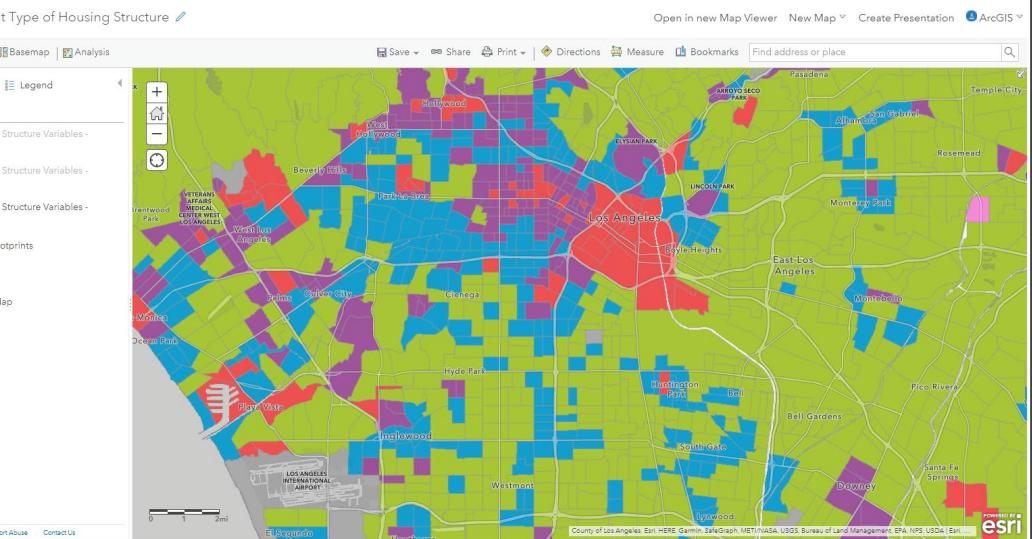
Map Viewer

Creating the building blocks of GIS



Map Viewer (new)

Map Viewer Classic

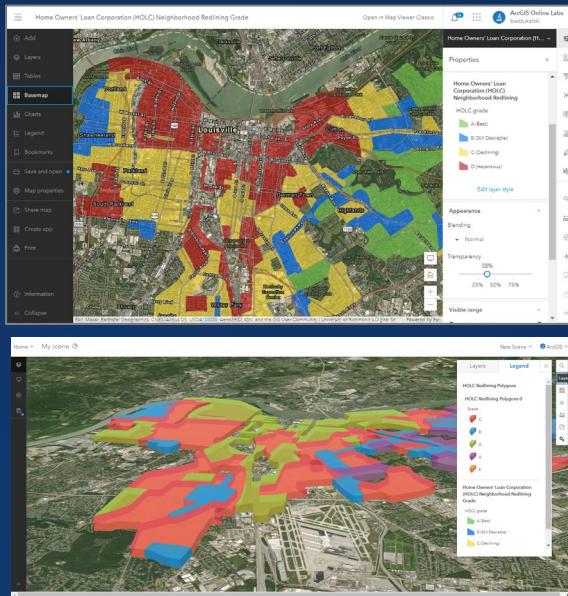


Auto-switch with June update

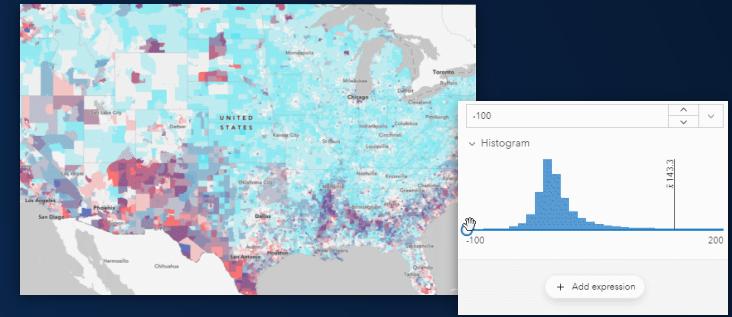
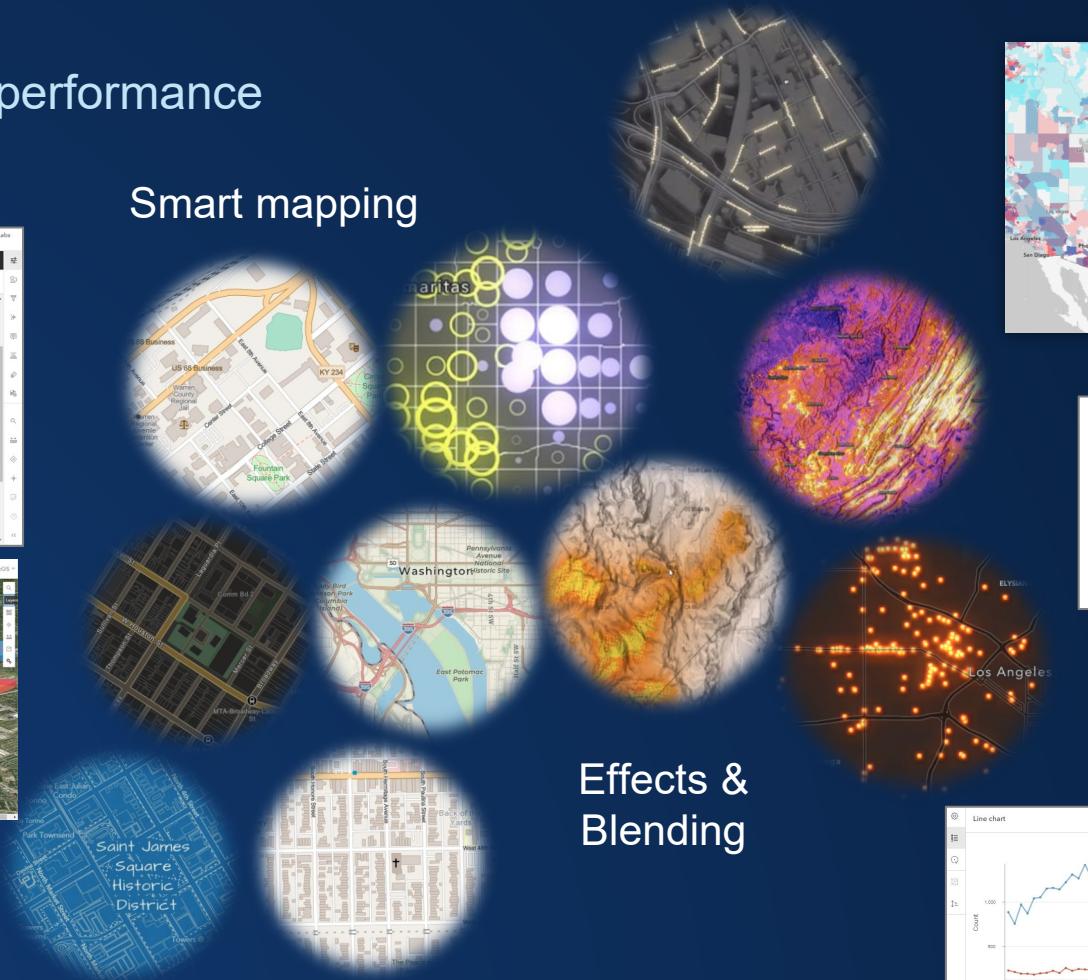
Data-driven
exploratory mapping

Map Viewer

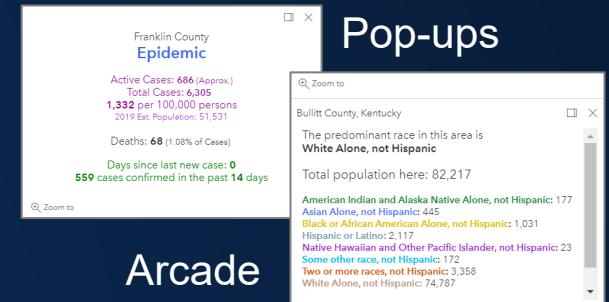
New capabilities, faster performance



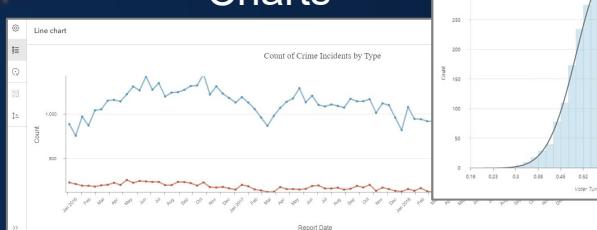
Smart mapping



Pop-ups



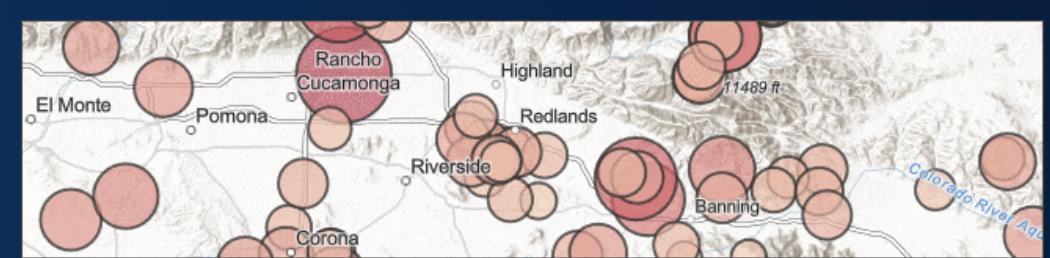
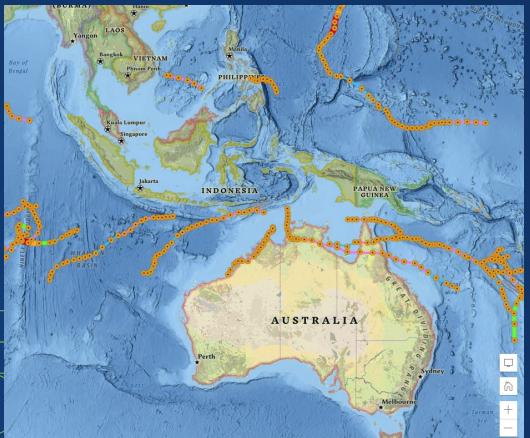
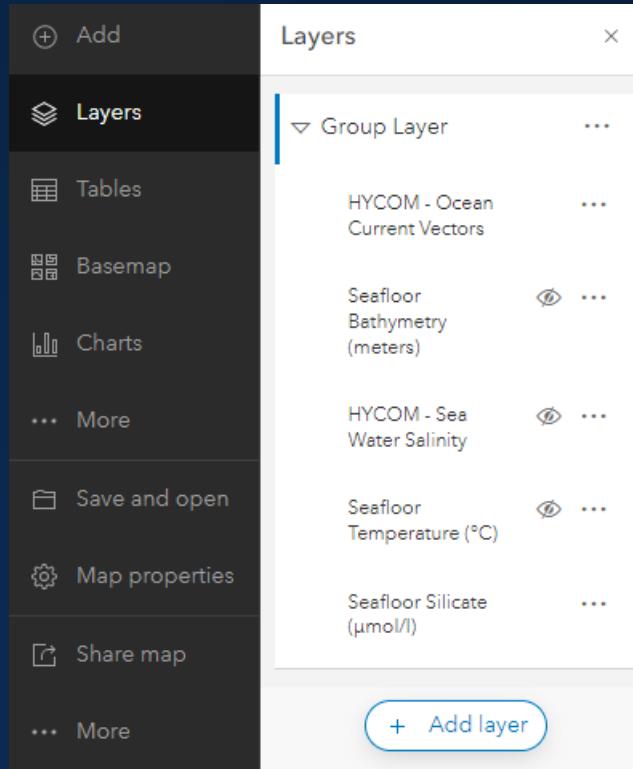
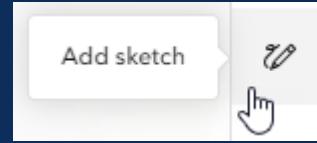
Arcade



Leverages JS API 4.x

Map Viewer

- Group and duplicate layers
- GeoJSON layers
- Feature display order
- Sketch, editing
- Time slider options



New Home Page

The image displays three screenshots of GIS portals, each featuring a header with navigation links (Home, Gallery, Map, Scene, Groups) and a search bar.

- New Castle County GIS Services:** The header includes a logo for "NEW CASTLE COUNTY GOVERNMENT CENTER" and "LAND USE". The main content features a green landscape with trees and a building, with the text "GIS Services- New Castle County". Below the header, there's a section titled "Interact..." with two buttons: "Explore New Castle County" and "New Castle County Map Application".
- Chatham County GIS Portal:** The header includes a logo for "CHATHAM COUNTY". The main content features a large image of a white building with a steeple, identified as the "CHATHAM COUNTY TITLE". Below the header, there's a section titled "Applications & Applications" with a descriptive paragraph about the portal's purpose and a row of four icons representing different applications.
- City of Seattle GIS Portal:** The header includes a logo for "City of Seattle". The main content features a large image of the Seattle skyline. Below the header, there's a section titled "Welcome to the City of Seattle GIS portal!" with a descriptive paragraph about the portal's purpose and a row of four icons representing different applications.



Automatic switch March 2022

Home page editor

Edit home page

< Header

Layout Options

Cover Image

Select the image height

Full screen height

Half screen height

Focal point

Adjust the image's focal point to center that part of the image on all screen sizes.

Overlay opacity

Title and logo placement

Alignment

Align left

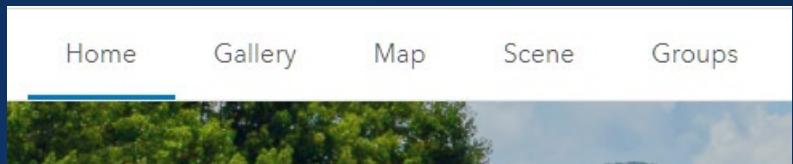
Align center

Position to cover image

View:

Save

Home page navigation bar



Settings > General > Navigation bar

Navigation bar

Page visibility
Modify the visibility of links in the navigation bar. [Learn more about navigation bar links](#)

[Manage navigation bar links](#)

Manage navigation bar links

Modify the visibility of links on the navigation bar.

Gallery

- Everyone
- Organization members
- No one

Map

- Everyone
- Organization members
- Organization members who can create maps

Scene

- Everyone
- Organization members
- Organization members who can create scenes

Notebook

- Organization members
- Organization members who can create notebooks

Groups

- Everyone
- Organization members

 Customize for your organization

Organization messaging

Security > Information banner

Security > Access notice

- Information banner
- Access notice

We will be switching to HTTPS access only in August 2020. Saved URLs will need to be updated once this change is made.

Home Gallery Map Scene Groups Sign In

 OSPI Educational Technology

REST Service Layers are being re pointed. If you have issues with layers email dot.gis@iowadot.us

Home Gallery Map Scene Groups Sign In

Welcome to the ArcGIS Online Laboratory

The ArcGIS Online Laboratory supports workshops, testing, demonstrations, blog articles, and events. The content you find here is intended for these uses, and is not representative of authoritative data on any particular topic.

OK

Member profiles

- Profile gallery customization
- Access to items and groups



Bears Ears: A Story of Homelands

Web Mapping Application by GrandCanyonTrust

Take this guided tour of Bears Ears National Monument and the story of the tribes.

Created: Apr 19, 2017 Updated: Feb 14, 2018 View Count: 21,232



Stephanie Smith
GrandCanyonTrust [View profile](#)

Stephanie Smith, is the GIS Program Director for the Grand Canyon Trust.

The Trust is a conservation advocacy organization dedicated to safeguarding the wonders of the Grand Canyon and the Colorado River.

Groups [View all](#)



Items [View all](#)

167

Map item content status

Layers

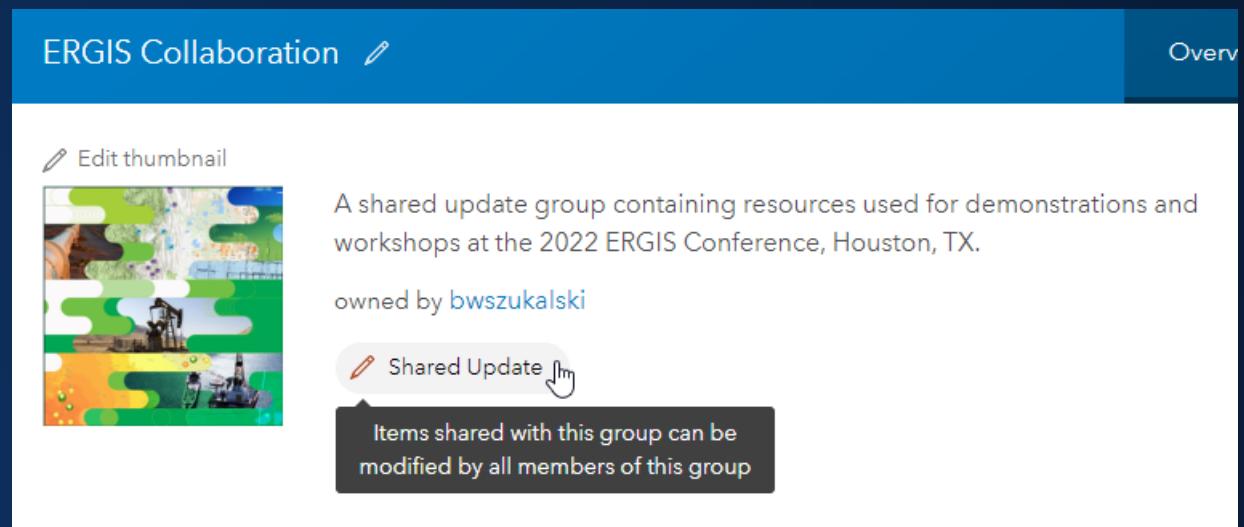
-  **Points of Interest**
Feature Layer  Authoritative
-  **Centers of Education**
Group Layer
-  **Colleges and Universities**
Feature Layer  Deprecated
-  **K-12 Instruction**
Feature Layer  Deprecated
-  **Parks and Recreation**
Feature Layer  Deprecated



New in December 2021 ArcGIS Online update

Shared update groups

- Group members can modify content
- Great for collaborative stories, apps
- Last save wins



Partnered collaborations

- Establish trust between two or more organizations
- Secure sharing, contributions, updates
- Supported via groups
- Facilitator Role supports coordinators

The screenshot shows the ArcGIS Online interface with a sidebar on the left containing links: General, Home page, Gallery, Map, Items, Groups, Utility services, Member roles, New member defaults, Marketplace, Collaborations (underlined and highlighted with a mouse cursor), and Credits.

Collaborations

Partnered

Partnered collaborations allow ArcGIS Online organizations to work closely and securely with each other in groups. In order to work in this way, you must establish a partnered collaboration with each organization.

[Learn more about partnered collaborations.](#)

[Start a collaboration](#)

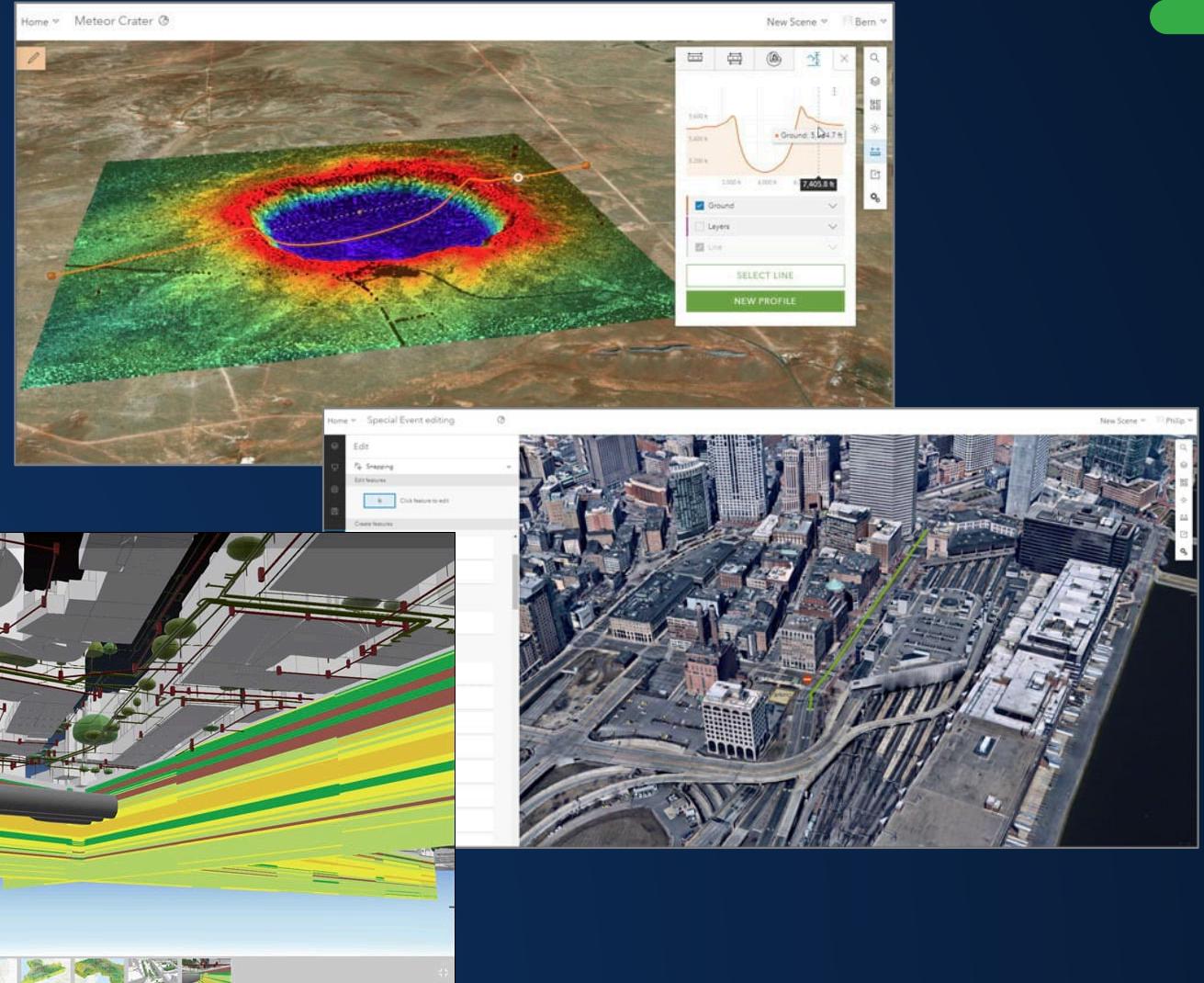
Collaboration coordinators

Designate members to represent your organization across all collaborations. These coordinators can easily be found and directly added to groups owned by partnered collaborations.

[Manage collaboration coordinators](#)

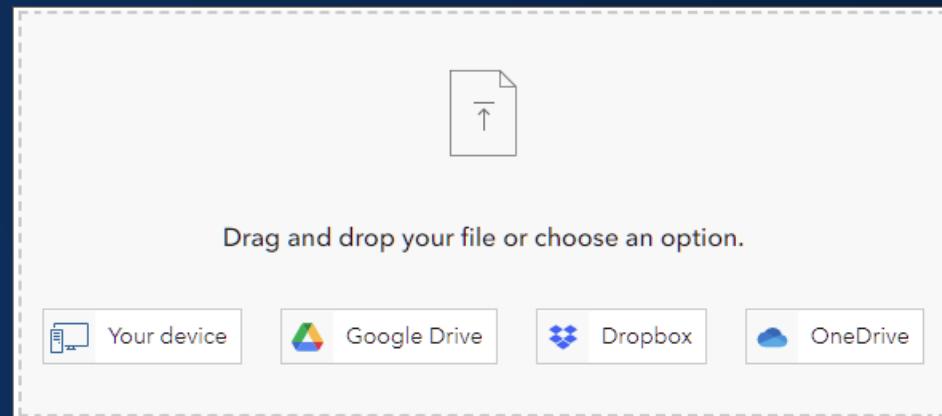
Scene Viewer

- Improvement to support BIM
- 3D profiles
- Visual enhancements (shadows, etc.)
- Edit features in scenes
- Improved pop-ups
- WGS84, OGC
- Voxel scene layers



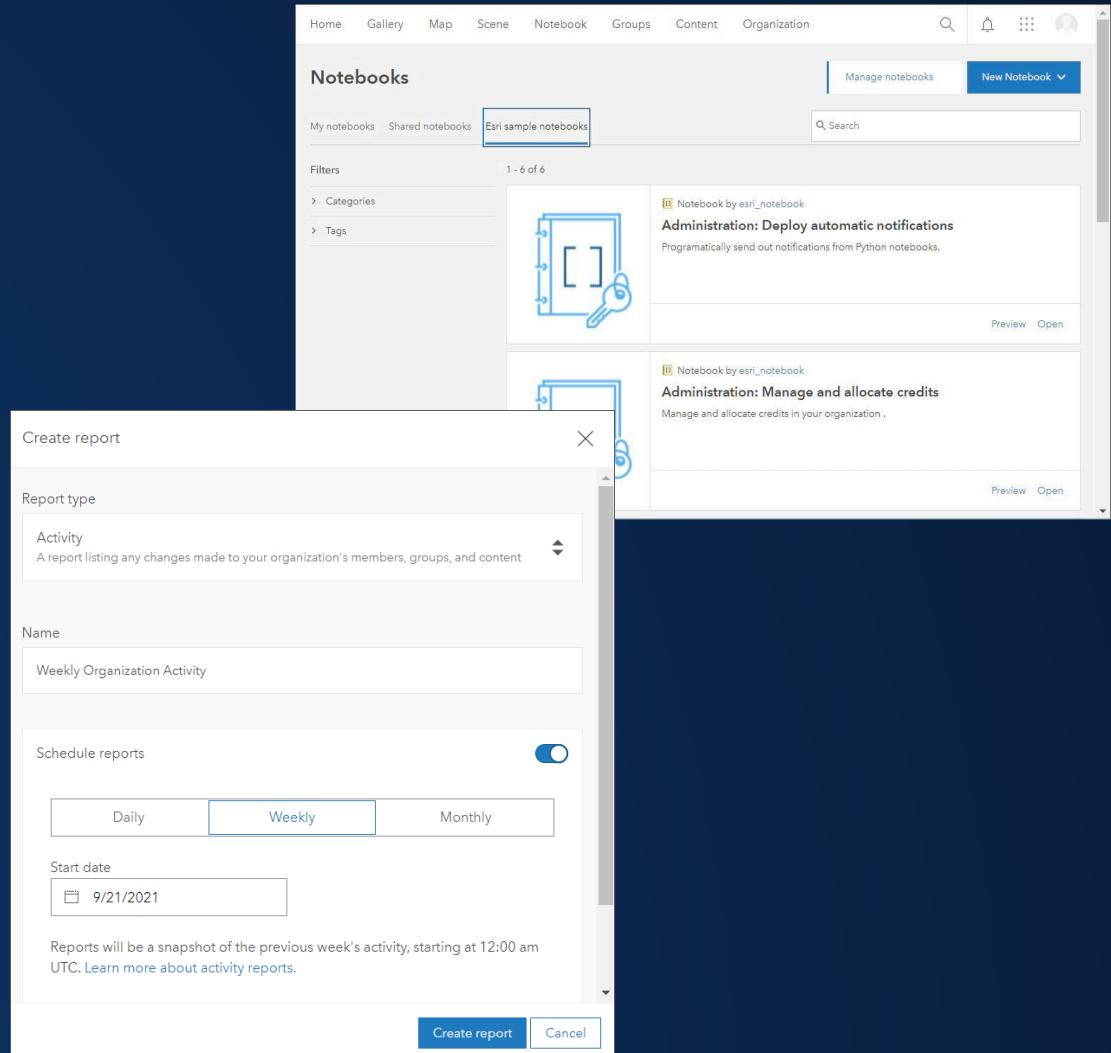
Data management

- HTTPS enforced
- ArcGIS Notebooks improvements for automation
- Scheduled Notebooks
- Regional data hosting options
- Enabling/disabling editing on specific fields
- Improved **New item** interface
- Attribute editing forms
- OGC feature layer support
- CDN server support + cache control



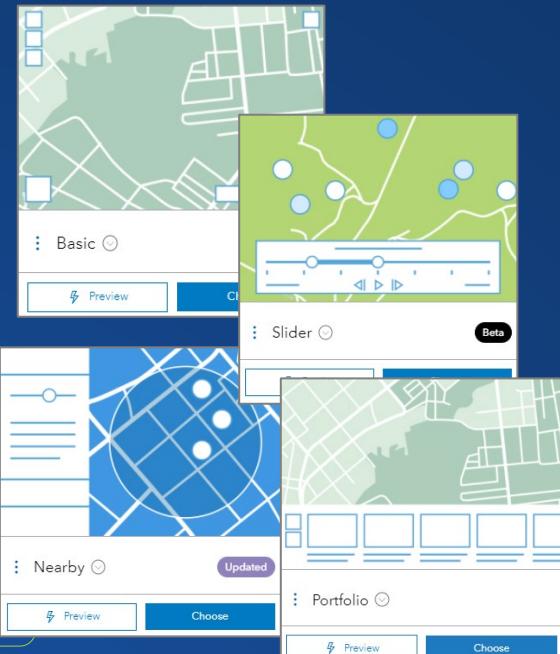
Organization management

- ArcGIS Notebooks for management tasks
- Activity report enhancements
- Feature data storage chart
- Selected access to apps
- New role templates
- Schedule administrative reports
- Hierarchical categories for members



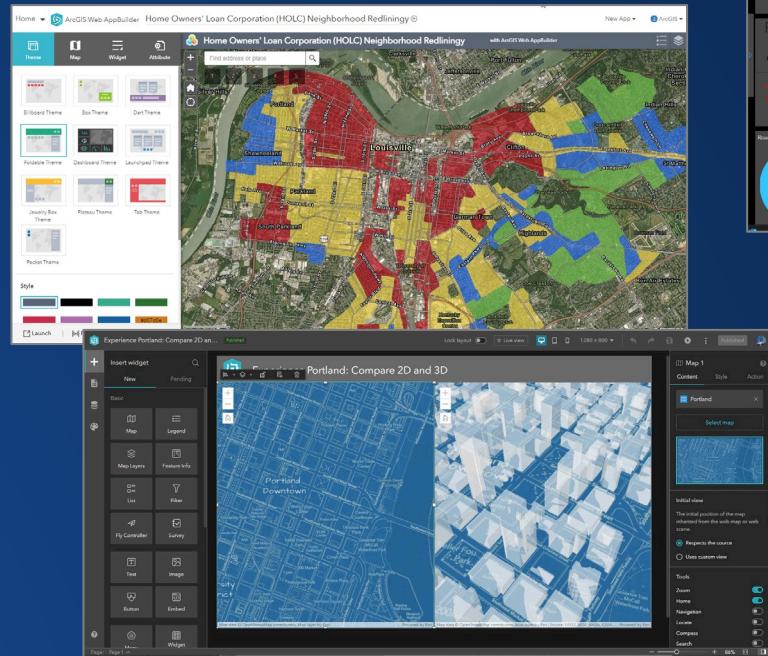
Apps and app builders

Complete and extend the map experience



Instant Apps

Web AppBuilder



Experience Builder



StoryMaps

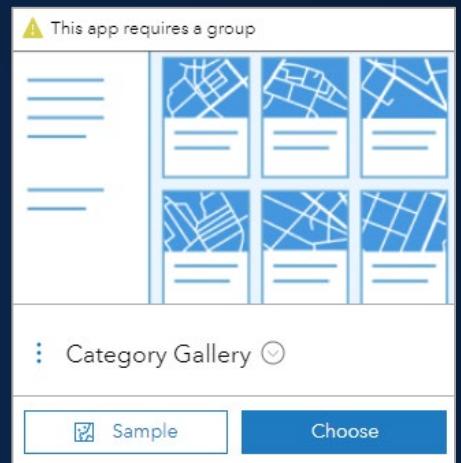
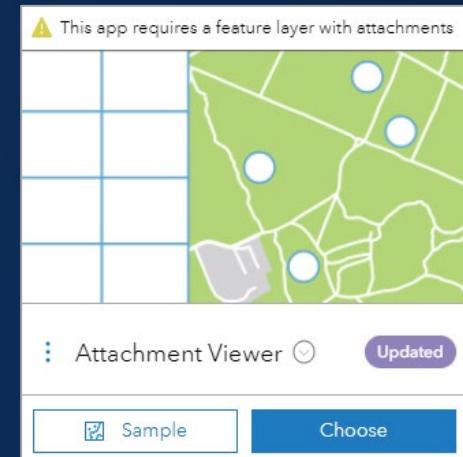
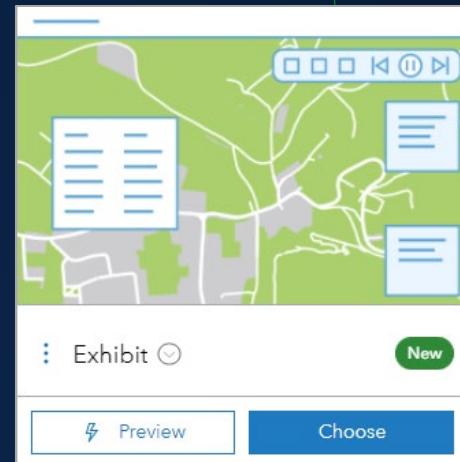
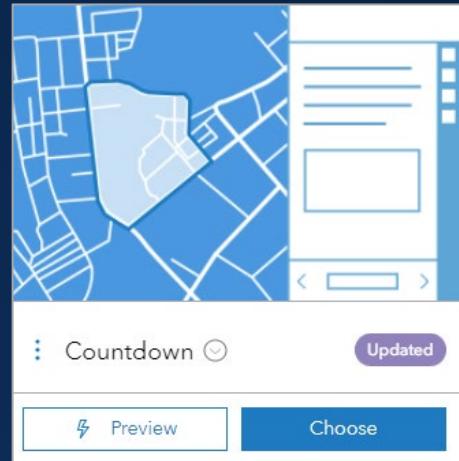


No coding required

ArcGIS Instant Apps

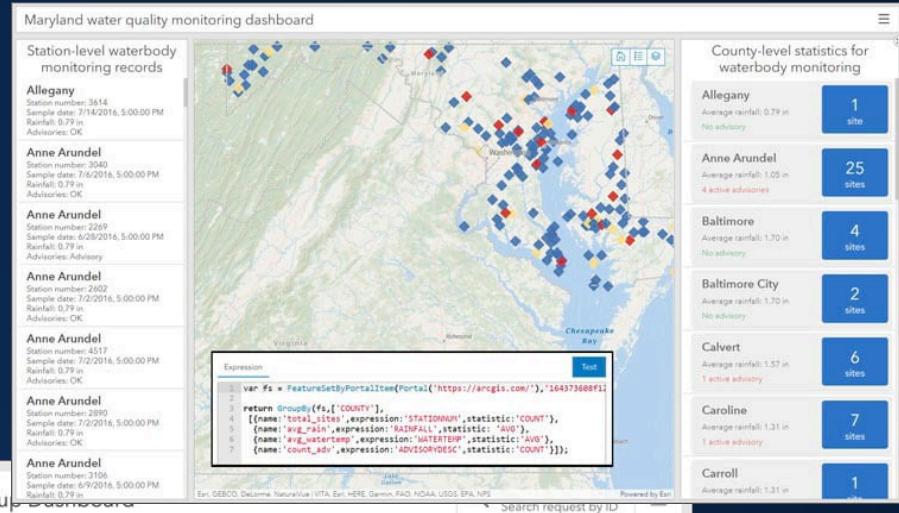
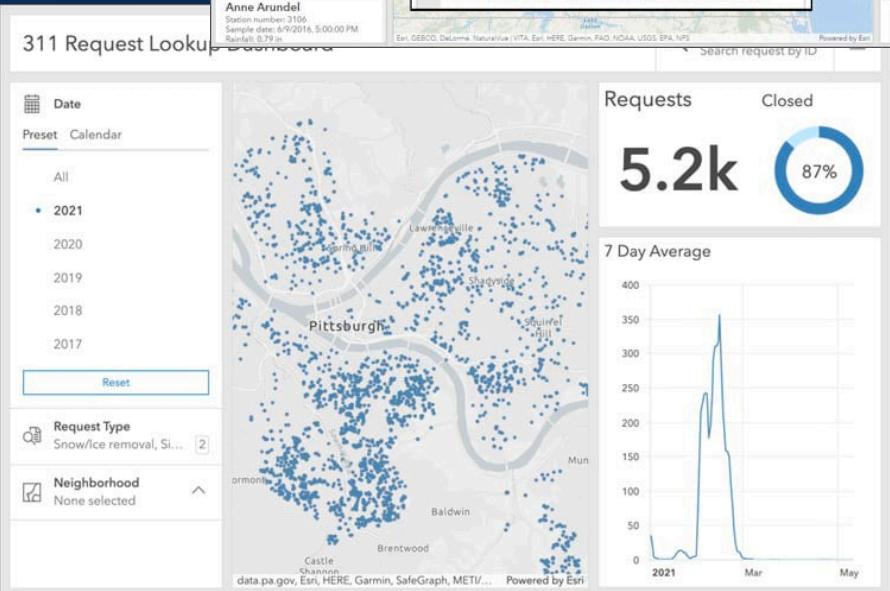
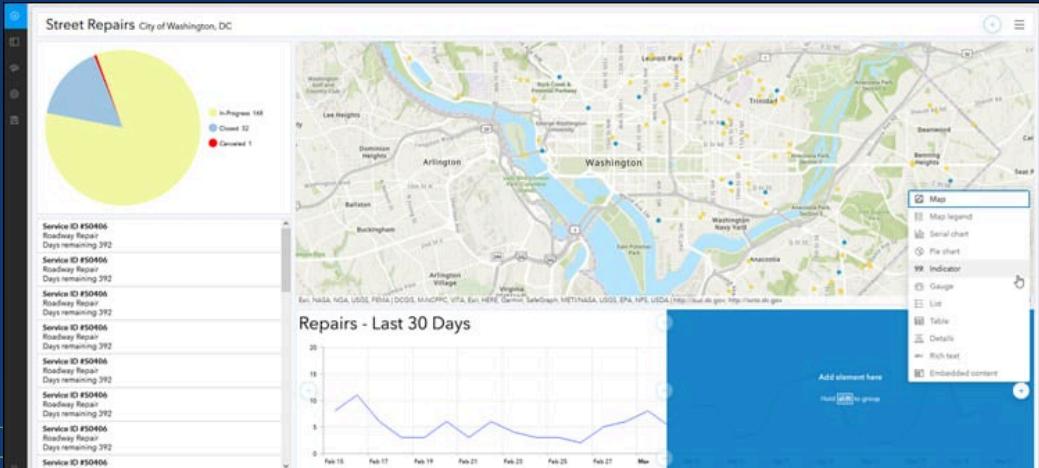
For maps, scenes, and groups

- Instant App Gallery
 - Searchable by capability
 - Shows new and updated
 - Displays app requirements
 - Preview (before choosing)
 - Link to item details (includes example)
- Express mode vs. full setup mode
- Responsive, embeddable
- Information (feedback, what's new, learn more)



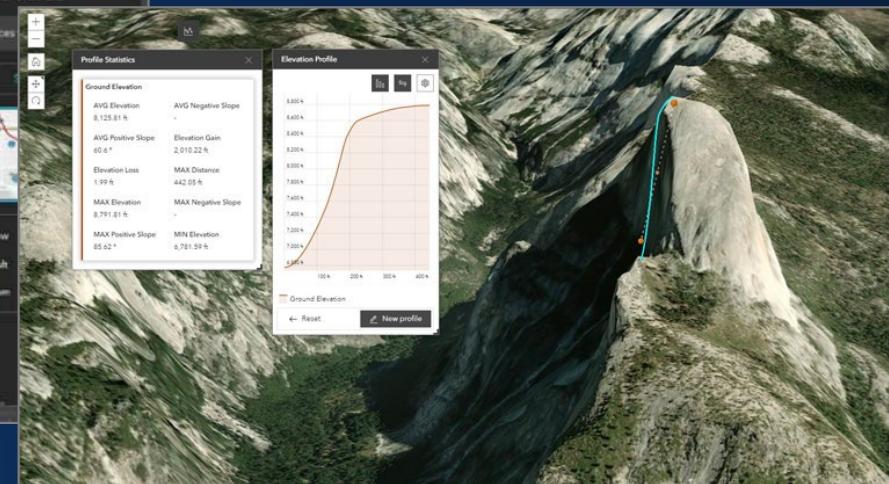
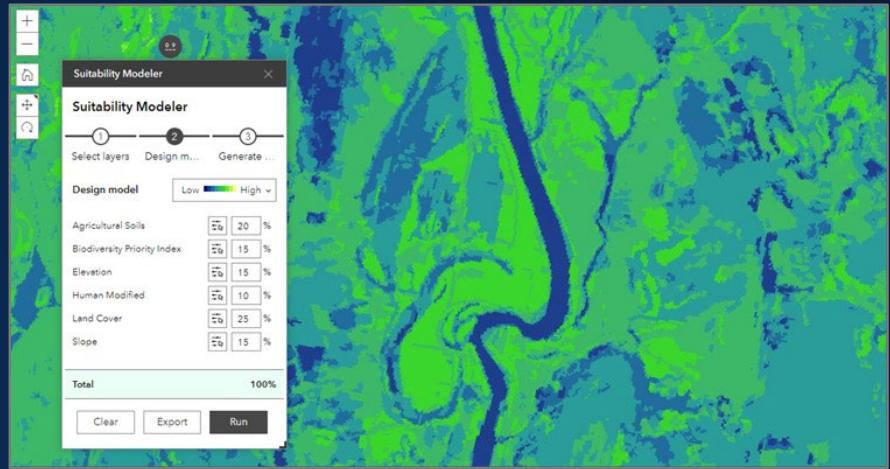
ArcGIS Dashboards

- Arcade support
- Selector improvements
- Data download for data-driven elements
- Dashboards Classic retirement



Experience Builder & Web AppBuilder

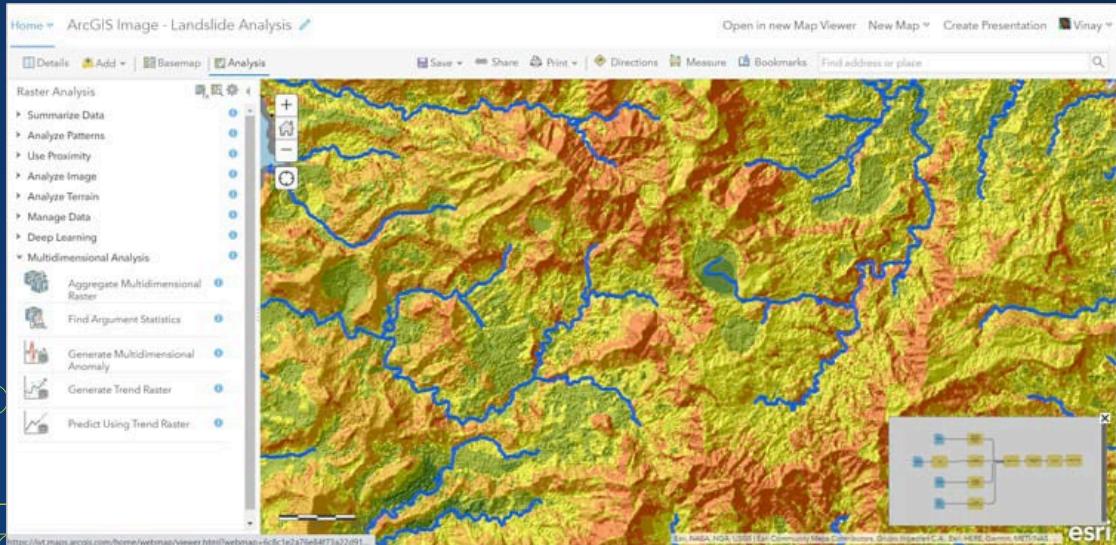
- Improvements to templates
- Widget additions and improvements



ArcGIS Image for ArcGIS Online

Host, analyze, stream imagery*

- Raster analysis tools, raster functions
- Raster function editor (for custom workflows)
- Leverage tools in ArcGIS Living Atlas

Three guides for ArcGIS Image for ArcGIS Online are displayed side-by-side. From left to right:

- ArcGIS Image for ArcGIS Online Implementation Guide**: A purple-themed guide with a subtitle "Essential tasks and best practices for setting up ArcGIS Image for ArcGIS Online". It includes the Esri logo at the bottom.
- ArcGIS Online Guide**: A purple-themed guide with a subtitle "Essential information for getting started with ArcGIS Image for ArcGIS Online". It includes the Esri logo at the bottom.
- Get to Know ArcGIS Image for ArcGIS Online**: A white-themed guide with a purple header. The title is in large, bold, black font. It includes the Esri logo at the bottom.



*Supported in Map Viewer Classic only

Demonstration

2000 | Geography Network

Geography Network



Screenshot of the "geography network explorer" interface. The left panel shows search criteria for "ESRI World Vegetation (WMB)". The main panel displays a world map where different regions are colored according to vegetation types.

Screenshot of the "geography network explorer" interface showing search results. The top section displays basic search parameters. The main area shows a list of records found, with detailed information for the first entry:

Records Found: 65

Publisher: ESRI
Content Title: Census 2000 Population Density Map
Coverage Area: United States
Map Scale: 1:24000
Service Type: ArcIMS Image Service
Latest Status: Service Running

Below this, two smaller examples are shown:

Publisher: ESRI
Content Title: Census 2000 Diversity Map
Coverage Area: United States
Map Scale: 1:24000
Service Type: ArcIMS Image Service
Latest Status: Service Running

Publisher: ESRI
Content Title: Census 2000 Population Map
Coverage Area: United States
Map Scale: 1:24000
Service Type: ArcIMS Image Service
Latest Status: Service Running

Screenshot of "ArcExplorer Web - Microsoft Internet Explorer" showing a map of Washington state with various geographical features like roads and rivers highlighted.

Screenshot of "ArcGIS Online" showing a map of a specific area with a red marker. A callout box displays population statistics for a specific location.

Key focus areas

Evolving with needs, platforms, architectures, and technologies

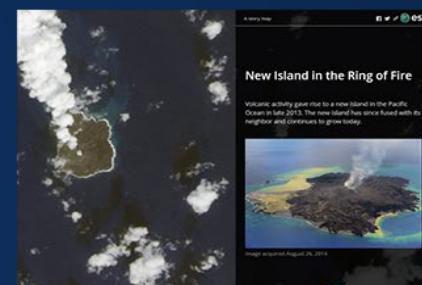
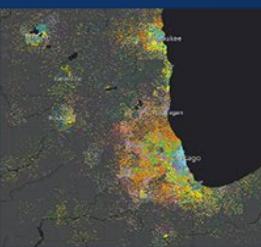
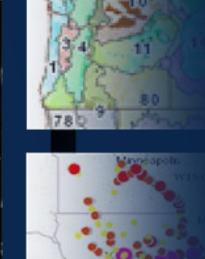
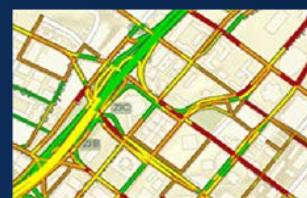
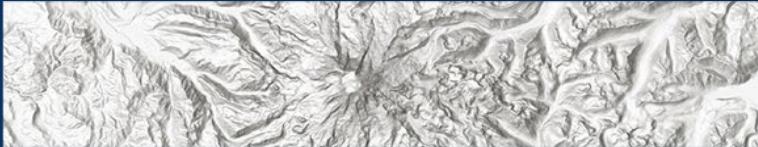
- Vector basemaps (raster tile basemap deprecation)
- OSM basemaps (Daylight distribution, Esri-styled OSM basemaps)
- Demographics (Census, ACS, BLS)
- Environment, Oceans
- World Imagery, Elevation
- Policy Maps
- Community Maps
- Apps
- Analysis tools

Ongoing “when ready” content releases



ArcGIS Living Atlas of the World

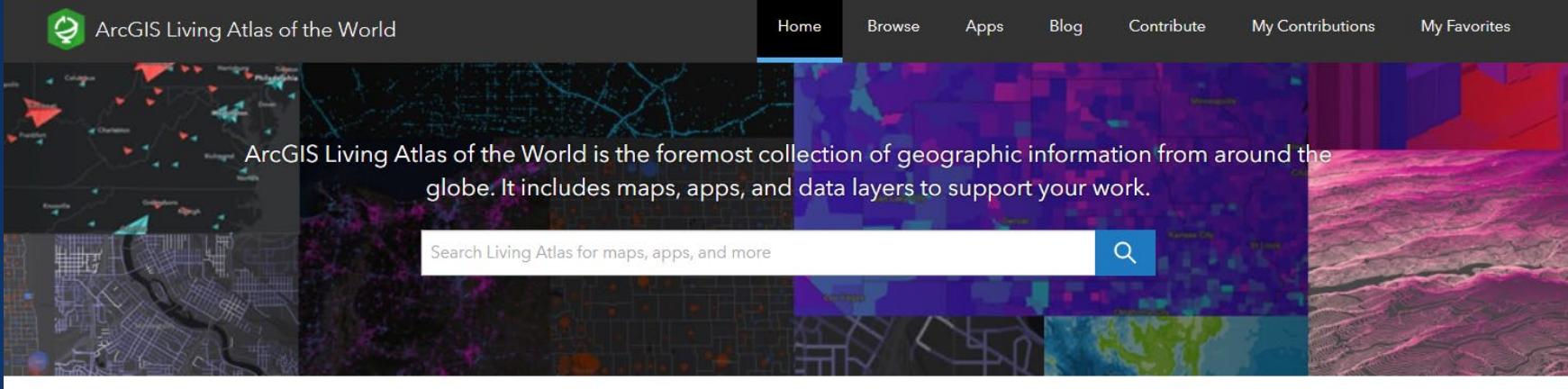
Deeply integrated across the ArcGIS system



Transportation
Environment
Observations
Places
Landscape
Habitats
Infrastructure
POI Trending
Basemaps
Boundaries
Soils
Movement
Land Cover
Movement
AI6 Imagery
Historical Weather Hazards
People & Places
Demographics
Hydro Elevation

Living Atlas website

A destination for Living Atlas news, apps, content, and community



The screenshot shows the homepage of the ArcGIS Living Atlas of the World website. At the top, there is a dark navigation bar with the "ArcGIS Living Atlas of the World" logo, a search bar, and several menu items: Home (which is highlighted in blue), Browse, Apps, Blog, Contribute, My Contributions, and My Favorites. Below the navigation bar is a large banner featuring a collage of various maps and geographic data layers from around the world. A central text overlay on the banner reads: "ArcGIS Living Atlas of the World is the foremost collection of geographic information from around the globe. It includes maps, apps, and data layers to support your work." Below the banner, there is a "Search Living Atlas for maps, apps, and more" input field with a magnifying glass icon. The main content area has a white background and features a section titled "What's new" with a sub-section titled "ArcGIS Living Atlas News". The "What's new" section contains a brief description of the latest additions to the atlas. The "ArcGIS Living Atlas News" section contains a larger, detailed description of the latest news and updates.

ArcGIS Living Atlas of the World

Home Browse Apps Blog Contribute My Contributions My Favorites

ArcGIS Living Atlas of the World is the foremost collection of geographic information from around the globe. It includes maps, apps, and data layers to support your work.

Search Living Atlas for maps, apps, and more

What's new

Explore items recently added to ArcGIS Living Atlas of the World, learn about GIS events, and discover ways to use content.

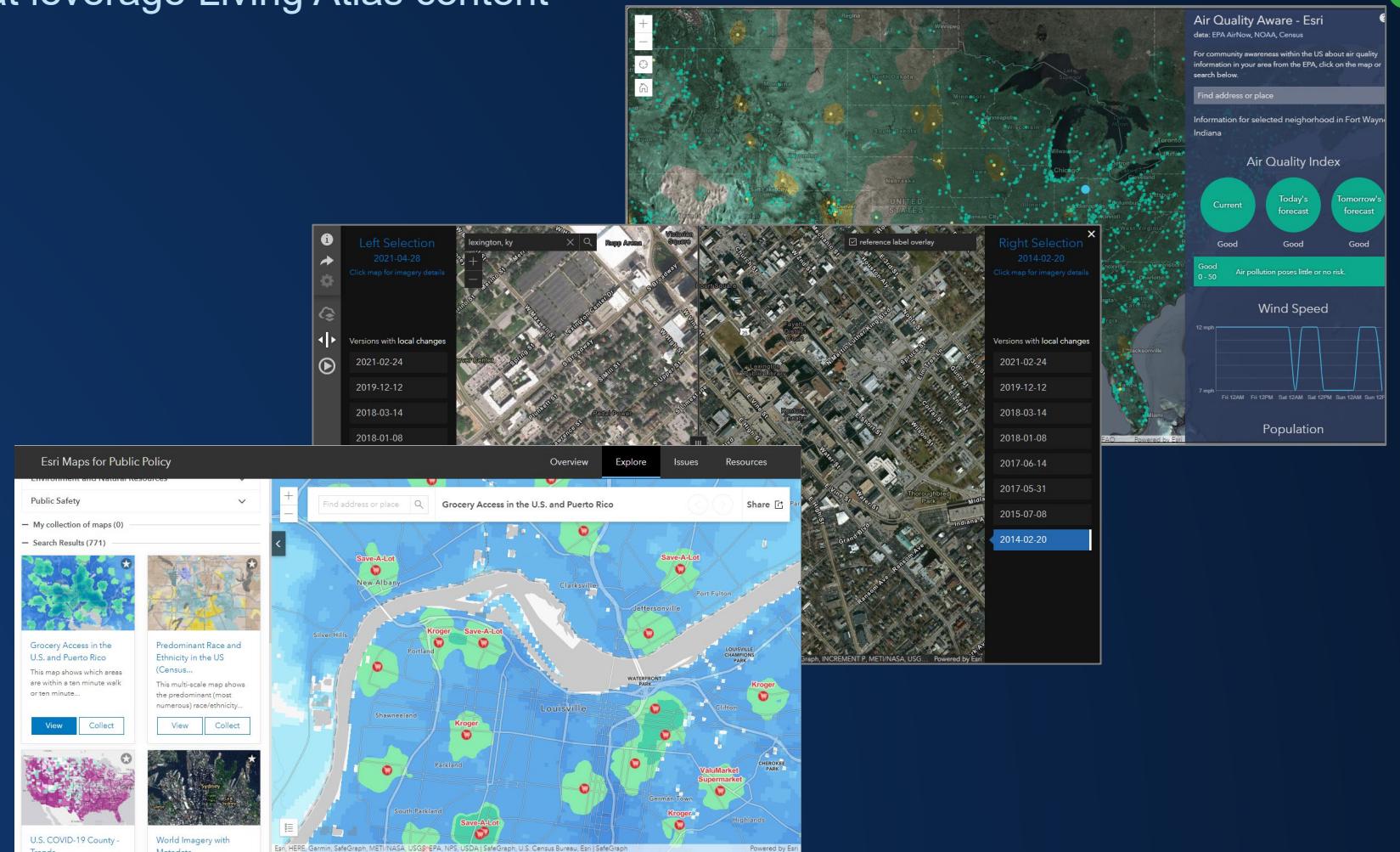
ArcGIS Living Atlas News

ArcGIS Living Atlas of the World is the foremost collection of authoritative geographic content, apps, and tools from around the globe. To learn about what's new, see the latest ArcGIS Living Atlas News (December 2021).

Living Atlas apps

Useful and expressive apps that leverage Living Atlas content

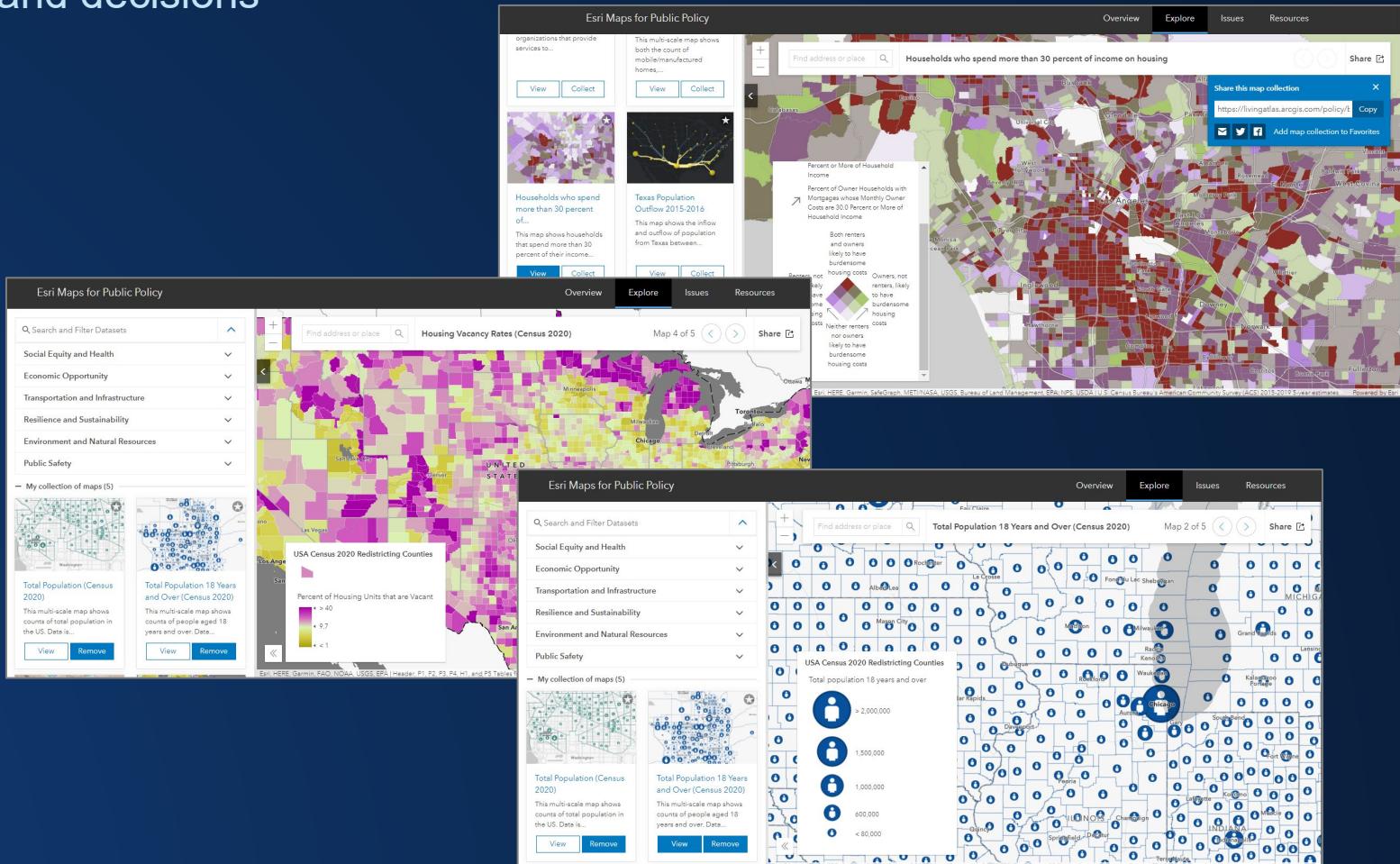
- Air Quality Aware
- Hurricane Aware
- Drought Aware
- Wayback Imagery
- Unemployment Pulse
- COVID Pulse
- USGS Topo Explorer
- Landsat Explorer
- SSURGO Downloader
- Esri Maps for Public Policy
- More...



Esri Maps for Public Policy

Maps for data-driven policy and decisions

- Racial equity
- Affordable housing
- Mental health
- Homelessness
- Opioid addiction
- Public health
- Gentrification
- Blight
- More...



Living Atlas data and tools for analysis

For ArcGIS Pro, ArcGIS Image for ArcGIS Online

- Analysis-ready layers
- Deep learning packages
- Raster function templates
- Rule packages
- More...



Demonstration

Road ahead

June 21 update (subject to change)

- Symbol styler update
 - Pro-like symbols
 - custom symbols coming...
- Instant App themes
- Instant App social sharing
- Save Layer
- New Arcade editor
- Add from file
- Experience Builder
 - Print, timeline, 3d visibility widgets
- Analysis moving to 4x JS API
- Scene Viewer
 - weather visualizations
 - virtual light, terrain shading
 - Improved markers
- OSM (hosted across 3 regions)
- OSM 3D scene layers (building & trees)
- More...

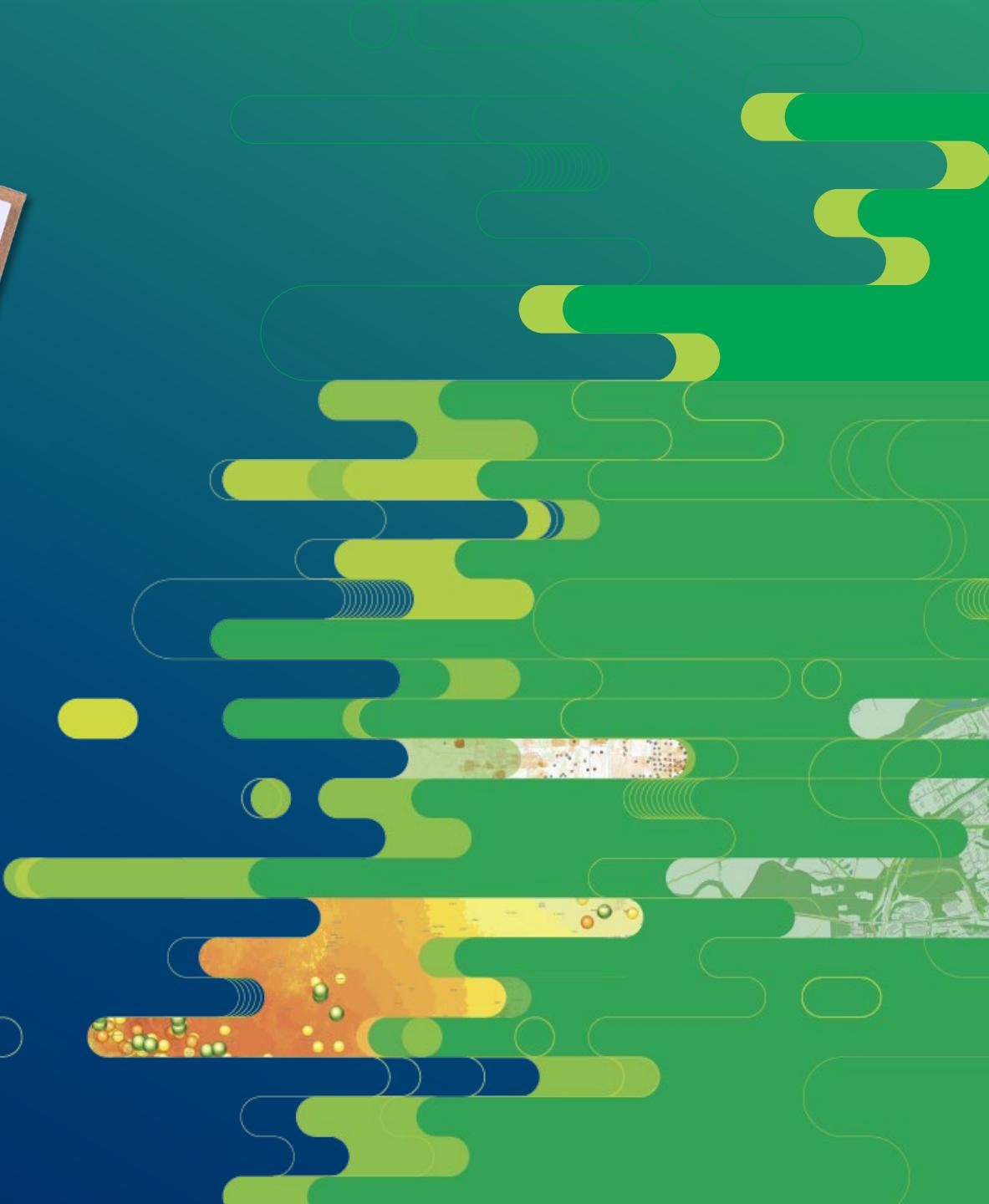
Staying up to date

[Blogs.arcgis.com](https://blogs.arcgis.com)

LivingAtlas.arcgis.com

The screenshot shows the ArcGIS Blog homepage. At the top, there is a navigation bar with links for Products, Solutions, Support & Services, Stories, and About. Below the navigation bar is a large, colorful header image featuring a globe and various data layers. A white overlay box contains the title "What's new in ArcGIS Online (December 2021)". Below the title, there is a section for "Announcements" dated December 02, 2021, with a photo of Bern Szukalski. At the bottom of the page, a paragraph explains what ArcGIS Online is and a "Read more" button is visible.

The screenshot shows the ArcGIS Living Atlas of the World homepage. At the top, there is a navigation bar with links for ArcGIS, Industries, About, and Support. Below the navigation bar is a large, colorful header image featuring a globe and various data layers. A white overlay box contains the title "ArcGIS Living Atlas of the World" and a description stating "ArcGIS Living Atlas of the World is the foremost collection of geographic information from around the globe. It includes maps, apps, and data layers to support your work." Below the description is a search bar. Further down, there is a "What's new" section with a paragraph and a thumbnail image of a mangrove ecosystem.





esri®

THE
SCIENCE
OF
WHERE®