



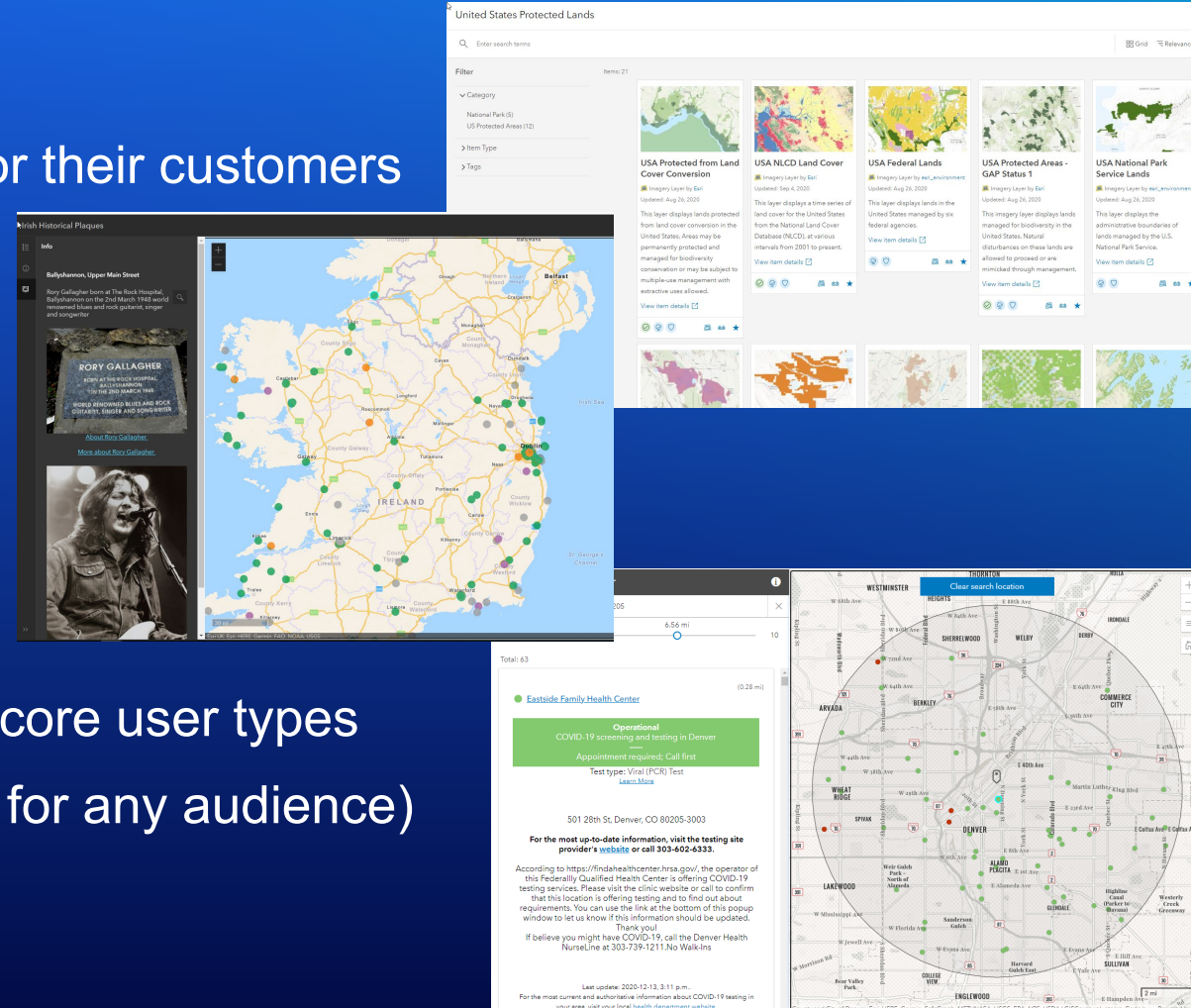
ArcGIS Online: Best Practices for Designing Web Mapping Apps

Beth Romero and Sarah McDonald

2021 ESRI
DEVELOPER SUMMIT

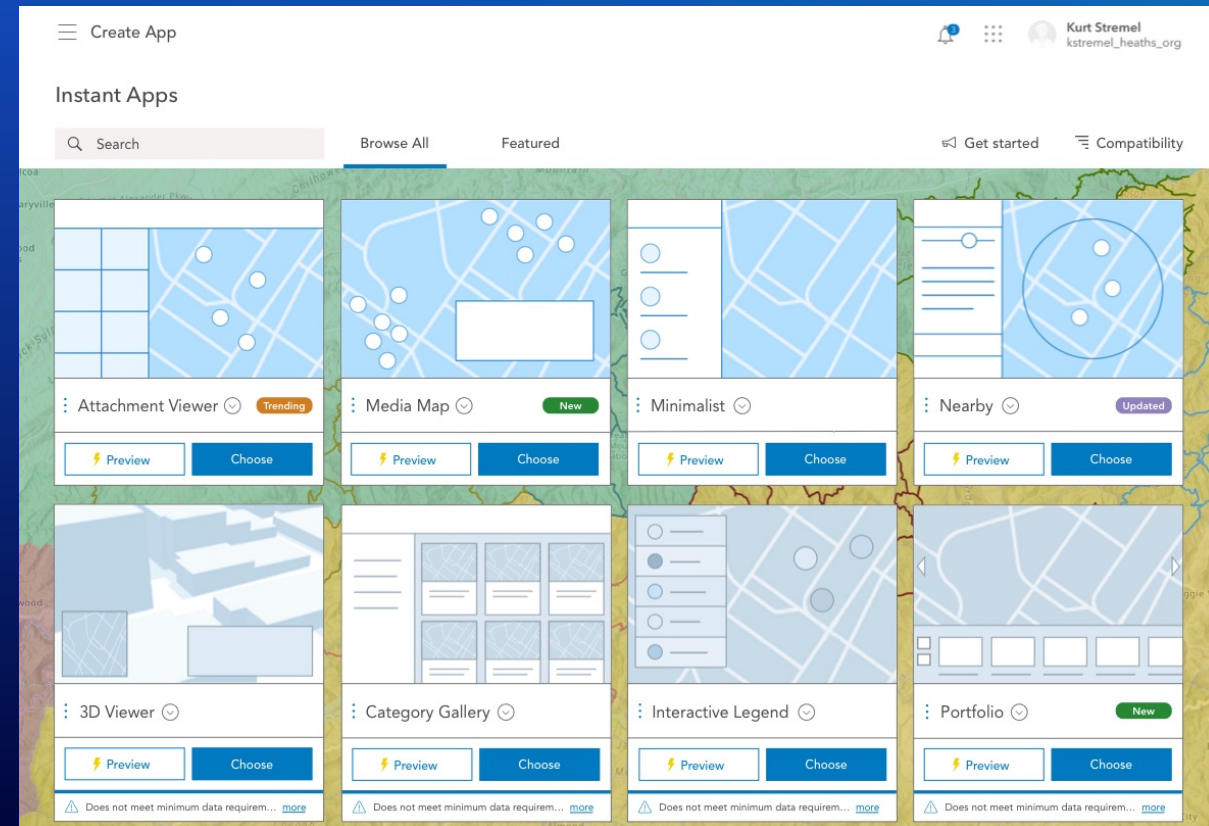
Engaging Interactive Web Applications

- Intuitive interface for Esri Customers to build for their customers
- Can be branded to match organization style
- Breadth of No-Code options:
 - **Focused single purpose applications**
 - Immersive multi-media storytelling
 - Concise information at-a-glance
 - Enable multi-step tools to complete workflows
- Included with essential apps bundle as part of core user types
- Hosted on ArcGIS Online infrastructure (ready for any audience)



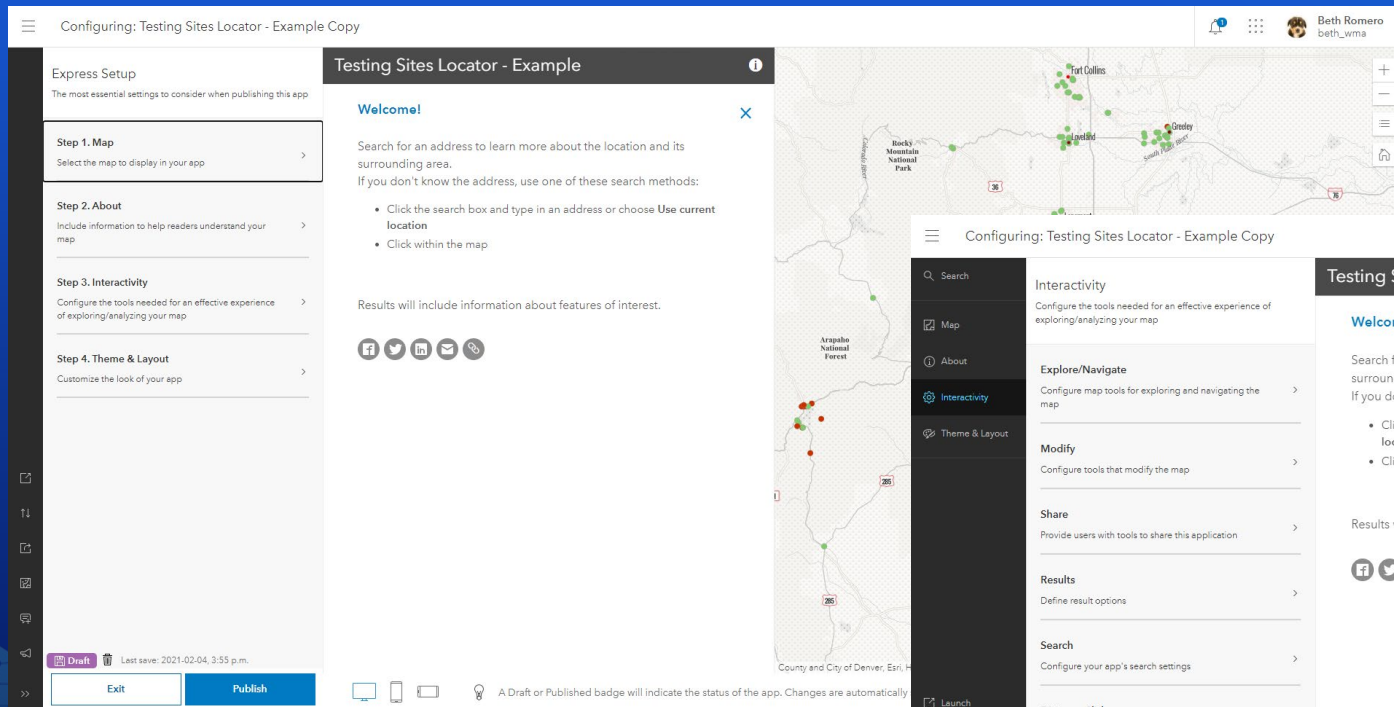
What are Instant Apps?

- New consistent configuration experience across applications
- Optimized for mobile and desktop experience
- Single-purpose applications
- Continued accessibility improvements
- New configuration tools
 - Navigation Boundary
 - Position Manager
 - Web analytics

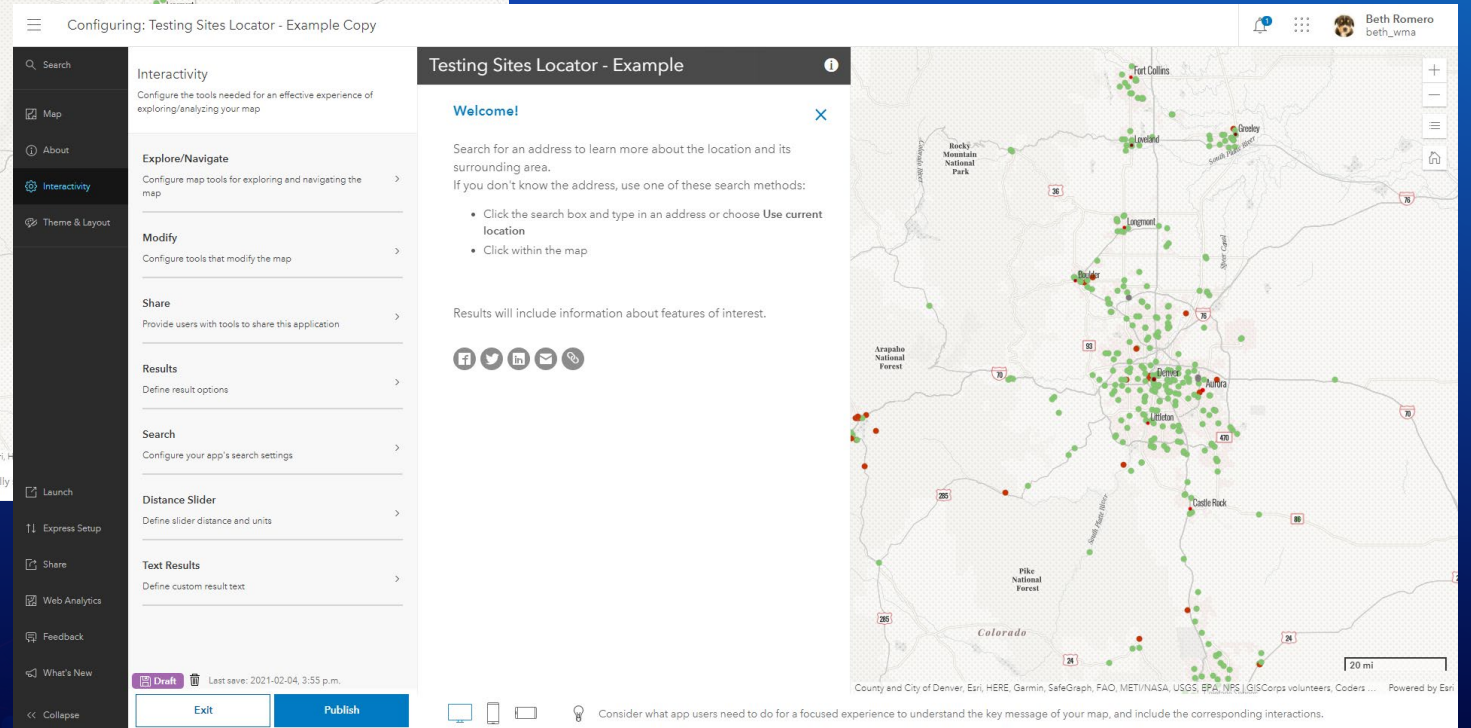


New Configuration Experience

Express Setup = essential settings



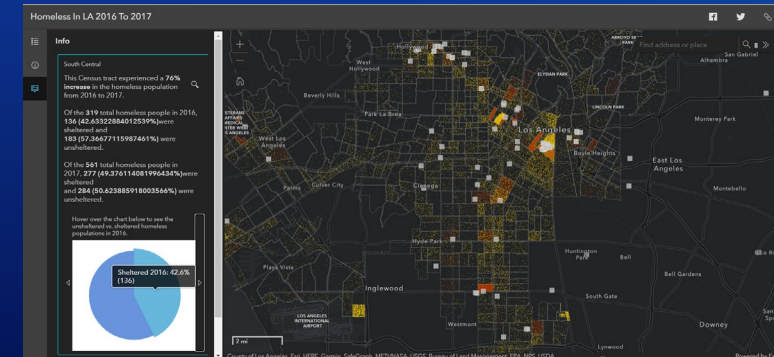
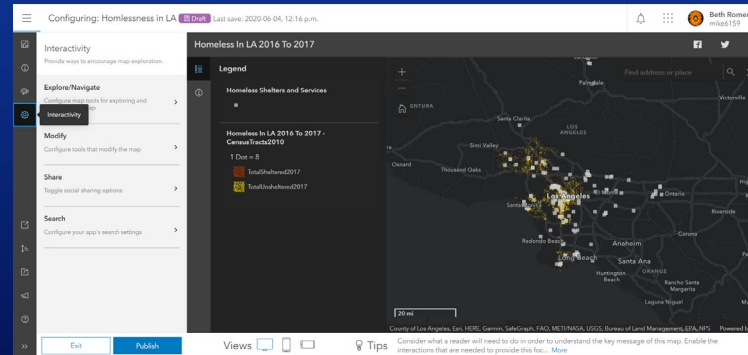
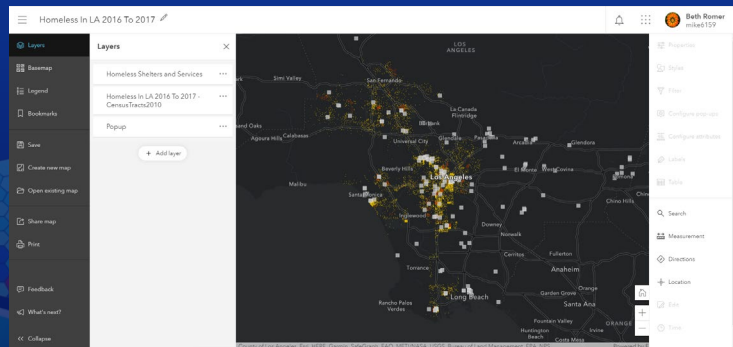
Full Setup = all settings



More Flexibility:
Express vs full setup
Search for tools
Draft and published versions

Apps complete the user experience

- Present map information and tools in meaningful ways
- Configured to reach target audience
- Support workflows and workforce tasks



Map
Scene
Group

App template

Configured application

Create apps with a variety of content

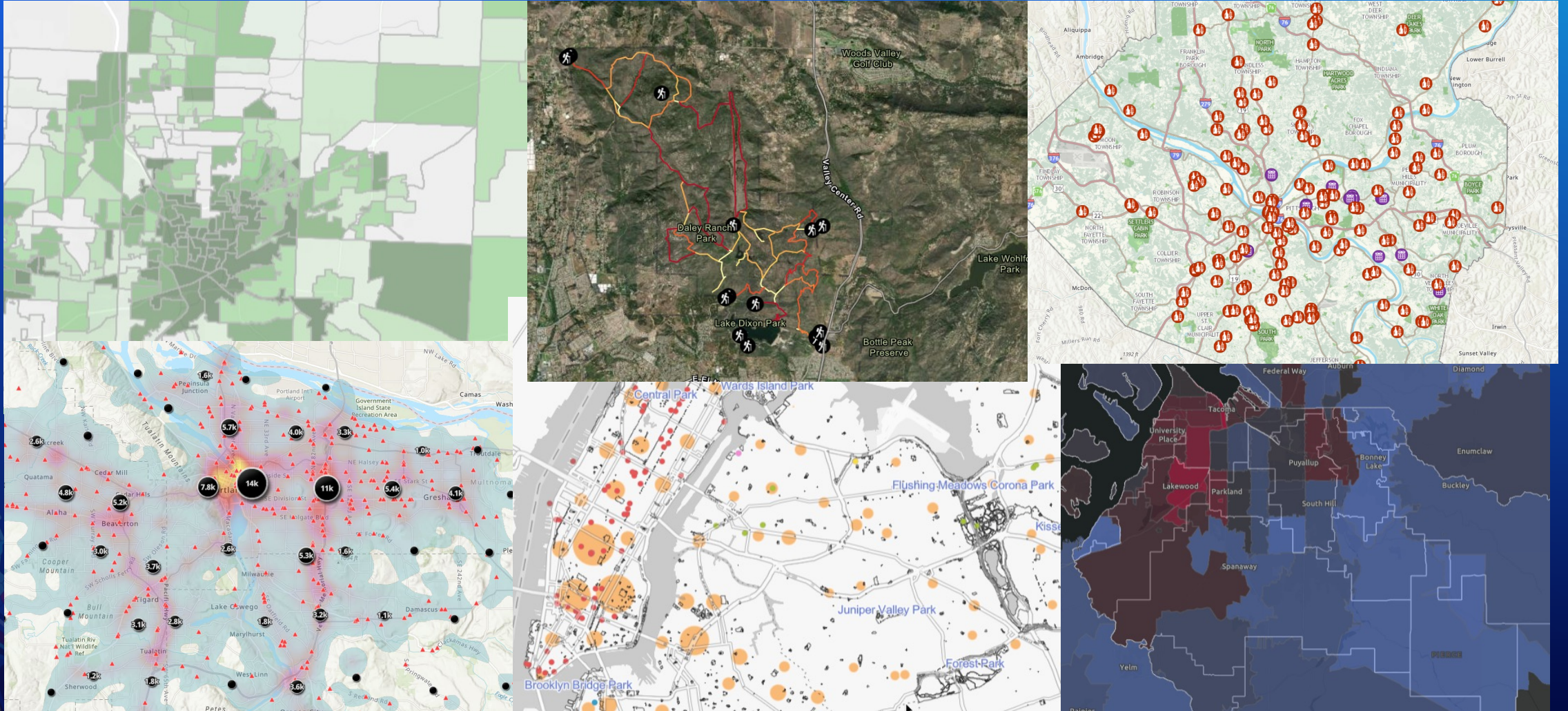
- App templates allow you build focused applications from a variety of geospatial content.
- Build apps based on:
 - Web Maps
 - Web Scenes
 - Groups



Build Maps with a Purpose

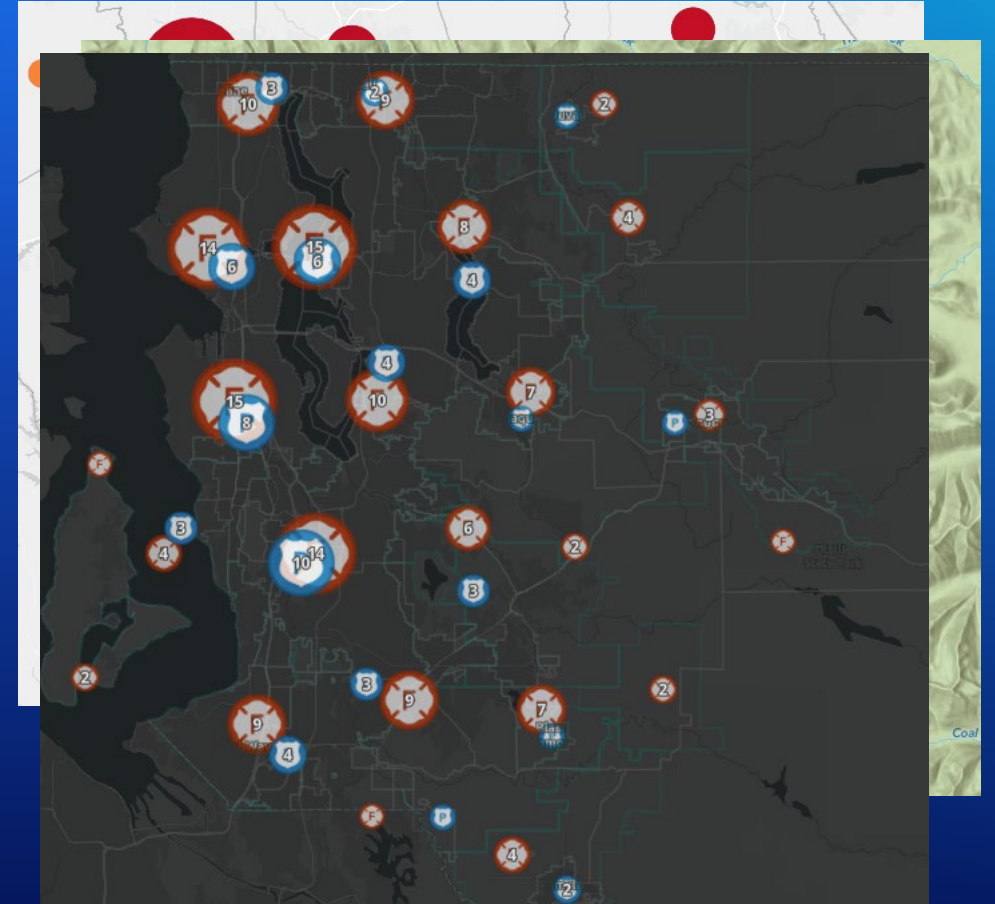
What does an audience need to learn from this map?

Map at a First Glance



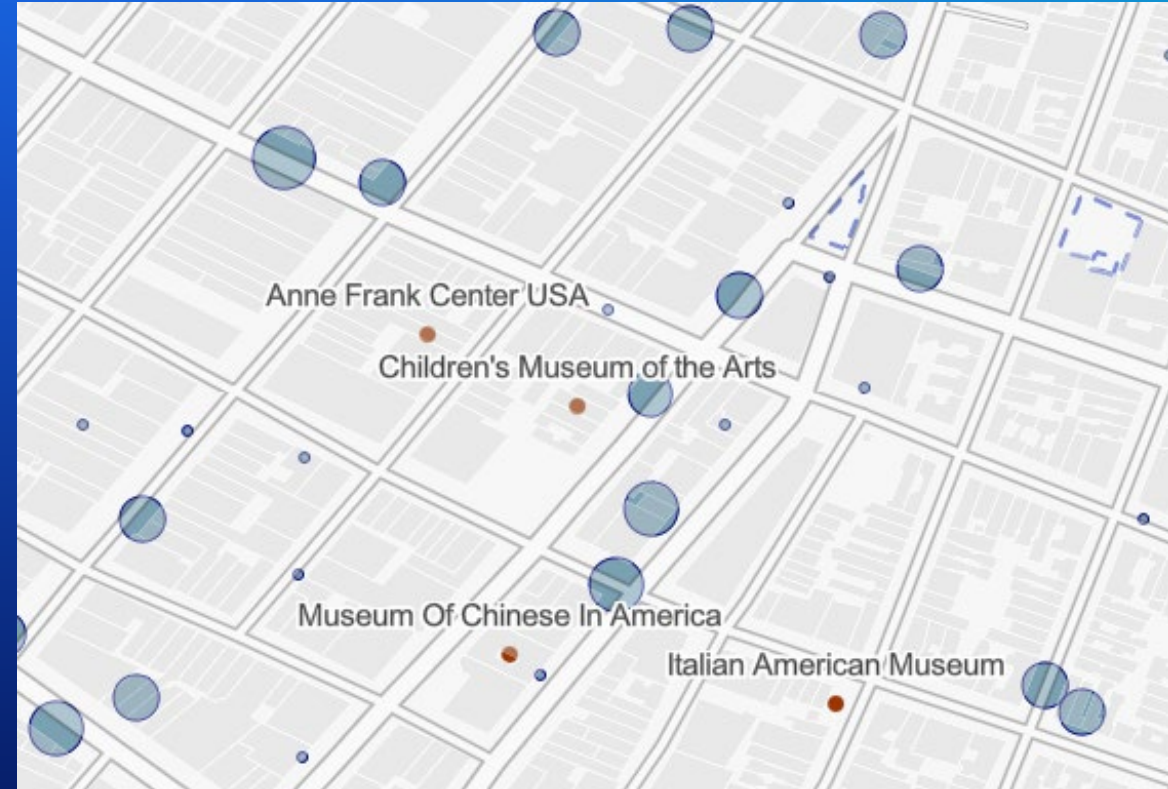
Displaying Data

- **Smart Mapping Styles**
 - Choose how to visualize data
- **Layer Blending**
 - Used to blend two layers together visually to see more or less of one layer
- **Visible Ranges**
 - Define levels for which layers will draw on a map
- **Clustering**
 - Group features to create clusters of data that represent multiple features



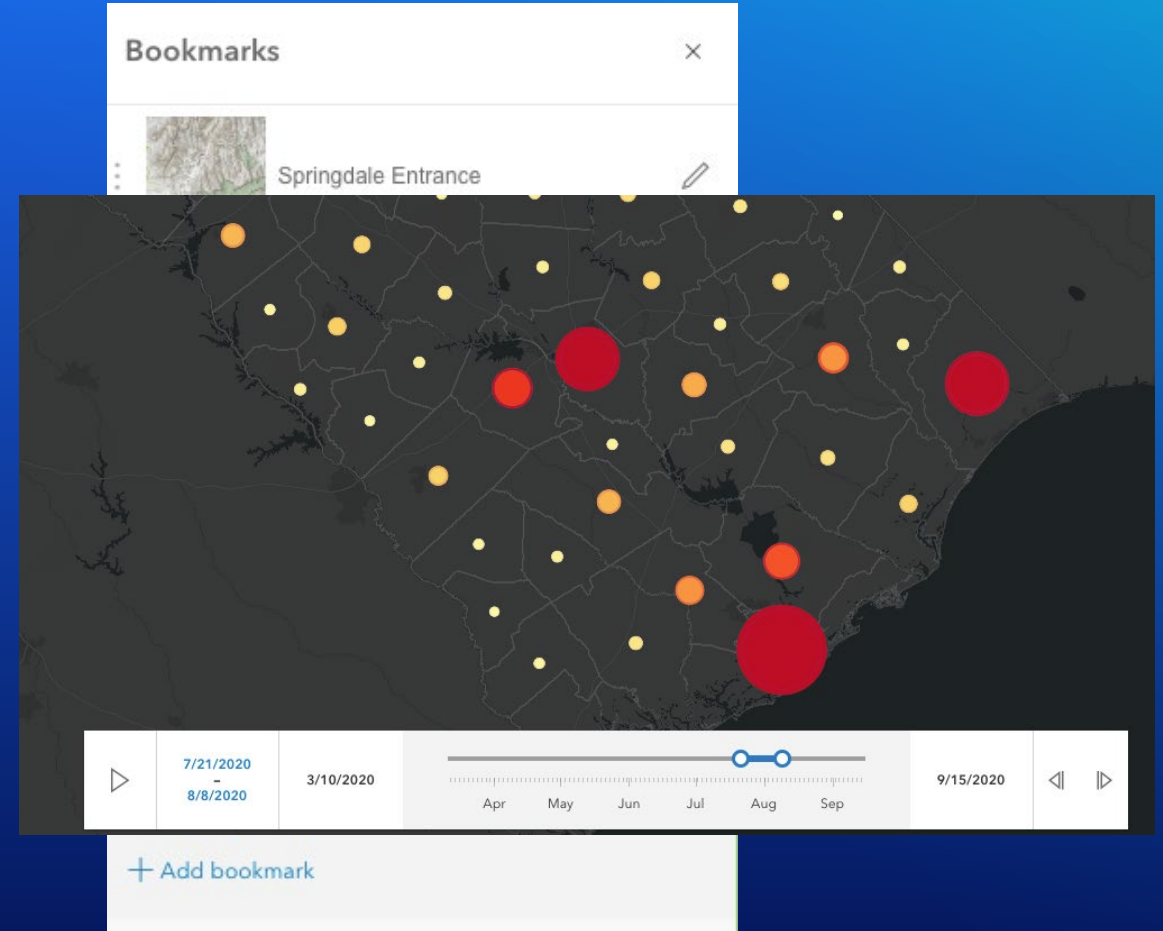
Working with Attributes

- **Pop-ups**
 - Organize attribute features in an organized fashion
 - Formatting, arcade, images and attachments, etc.
- **Filters**
 - Narrow down the features displaying in a map to the features driving the story of the map
- **Labels**
 - Draw attention to locations on a map instantly with feature attributes



Preparing Your Map

- **Bookmarks**
 - Add shortcuts to important places in a map
- **Time**
 - Enable time in a map and determine how features will display over time
- **Basemaps**
 - Use basemaps and reference layers to show where data in the map is



Utilizing the Item Page

- The item page can add to the ability to be found and used
- Title, Description, and summary
 - Answer the question: What is this?
- Provide a source for your data with credits
- Add a disclaimer or any restrictions for the data with the terms of use section
- Categorize your data

Tapestry Segmentation in the United States

country, state, ArcGIS Online

☆ Add to Favorites

Description

This map displays the data on Esri's Tapestry Segmentation. The popup refers to the following information:

- Dominant Tapestry
- Link to more information
- Total population
- Median age (M)
- Diversity Index
- Median household
- Median disposable
- Count of households by Tapestry LifeMode Summary Group
- Count of population by race/ethnicity
- Link to Esri's Tapestry Segmentation Poster
- Link to more information about Esri's Demographics

Filters

Categories

- Uncategorized
- Trending (492)
- Basemaps (923)
- Imagery (304)
- Boundaries (1648)
- People (2941)
- Infrastructure (1729)
- Environment (1894)

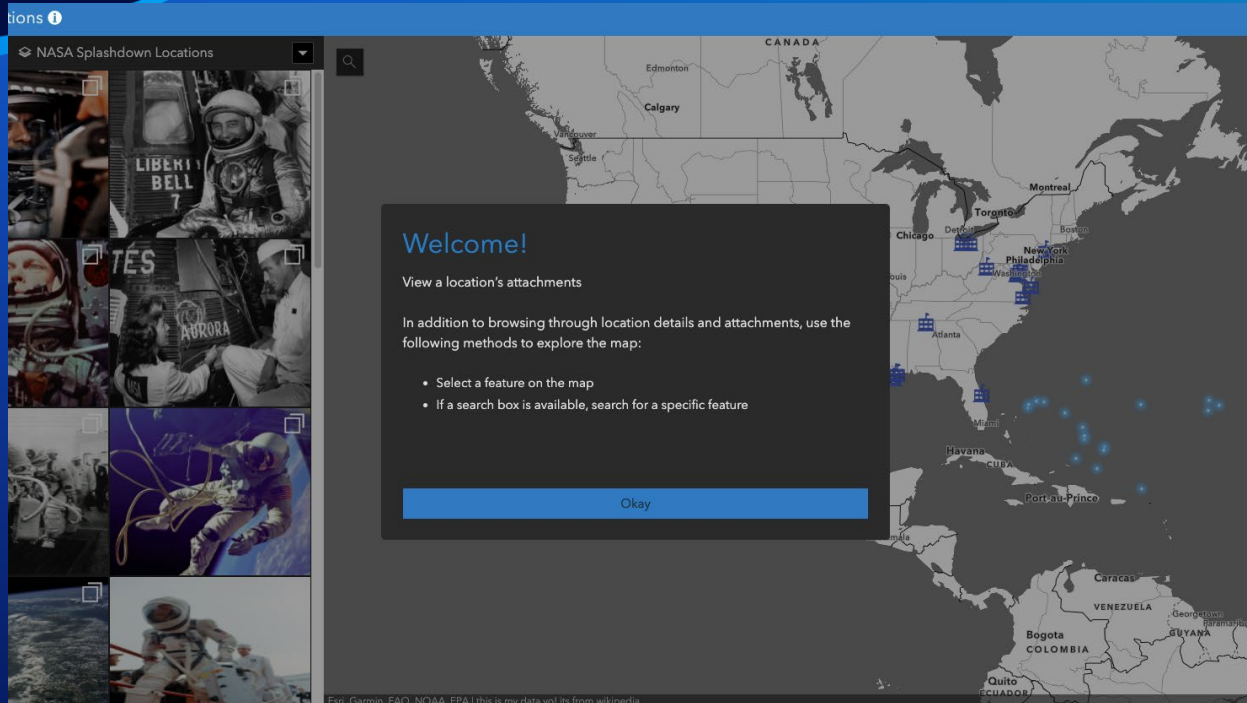
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to display the



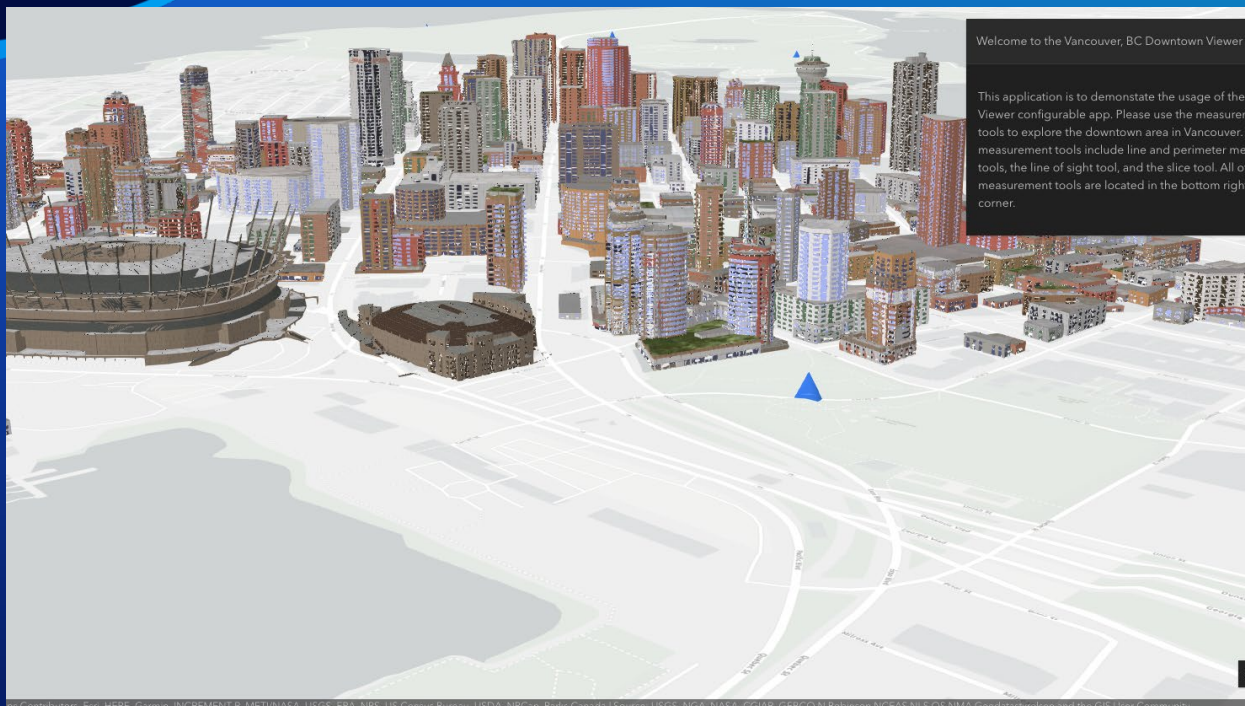
Let's Build Some Apps!

Using a few configurable apps, let's demonstrate some of the tools we can use to highlight web map features.



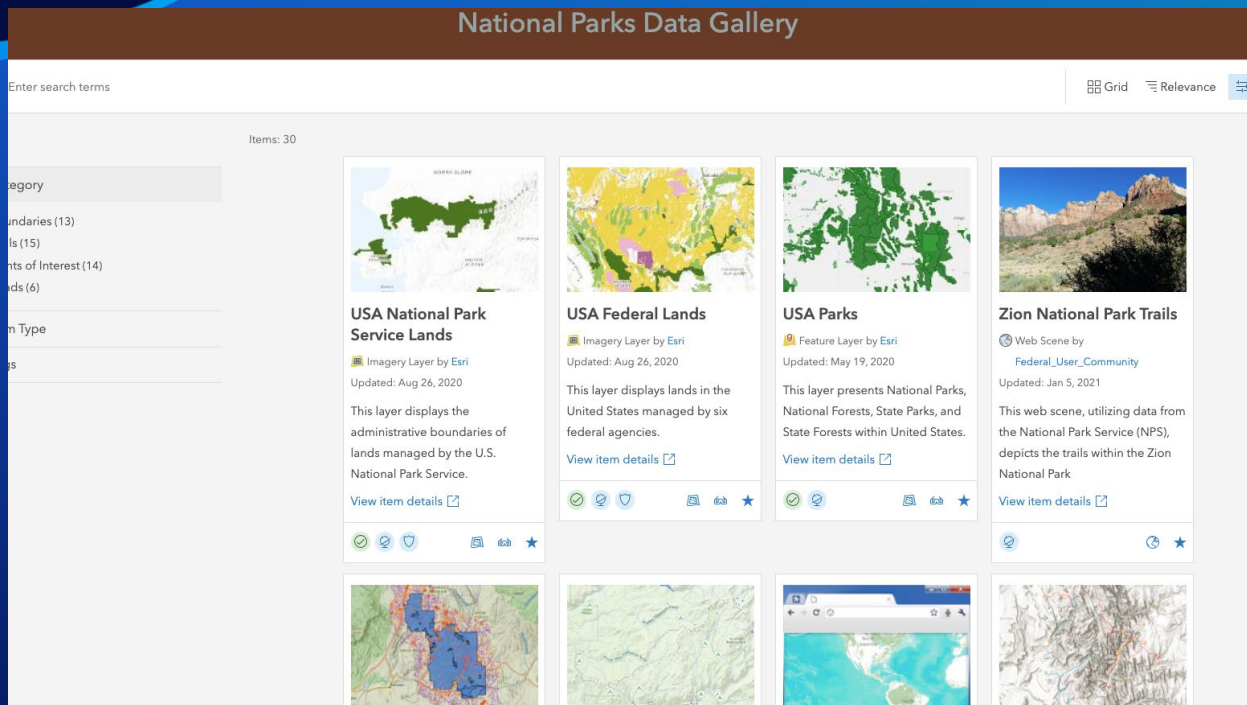
Attachment Viewer Demo

Sarah McDonald



3D Viewer Demo

Sarah McDonald



Category Gallery Demo

Sarah McDonald



Media Map Demo

Beth Romero

Express Setup

The most essential settings to consider when publishing this app

< Back

Next >


Step 1 - Map

Snow Forecast

Owner:
beth_wma

Description:
No description available.

[View item details](#)



Select a map

[Open in Map Viewer Beta](#)


[Open in Map Viewer](#)

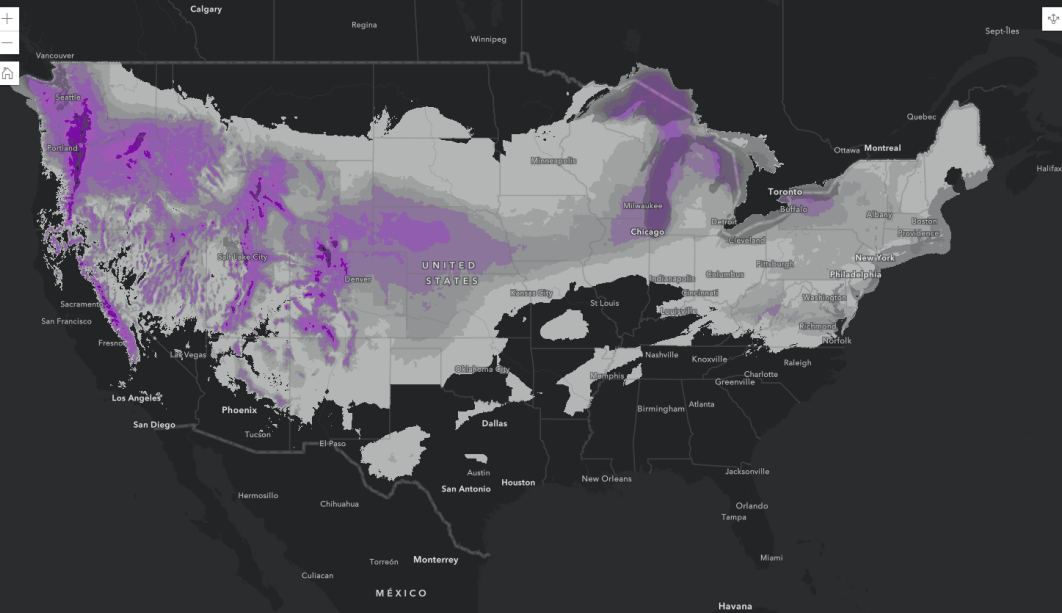
Created: 2017-12-14, 10:02 a.m.

Modified: 2021-02-11, 8:53 a.m.

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Map data ©

Esri, HERE, Garmin, FAO, NOAA, USGS, EPA | Source: National Weather Service


Powered by Esri

Draft

Last save: 2021-02-11, 8:56 a.m.

Exit

Publish



⚡

If your map features subscriber content, a proxy is automatically configured when you publish the app. For premium content, you'll be prompted to conf... [More](#)

Testing Sites Locator

850 30th St, Denver, Colorado, 80205

06.56 mi10

Total: 63

● Eastside Family Health Center

Operational

COVID-19 screening and testing in Denver

Appointment required; Call first

Test type: Viral (PCR) Test

[Learn More](#)

501 28th St, Denver, CO 80205-3003

For the most up-to-date information, visit the testing site provider's [website](#) or call 303-602-6333.

According to <https://findahealthcenter.hrsa.gov/>, the operator of this Federally Qualified Health Center is offering COVID-19 testing services. Please visit the clinic website or call to confirm that this location is offering testing and to find out about requirements. You can use the link at the bottom of this popup window to let us know if this information should be updated.

Thank you!

If believe you might have COVID-19, call the Denver Health NurseLine at 303-739-1211.No Walk-Ins

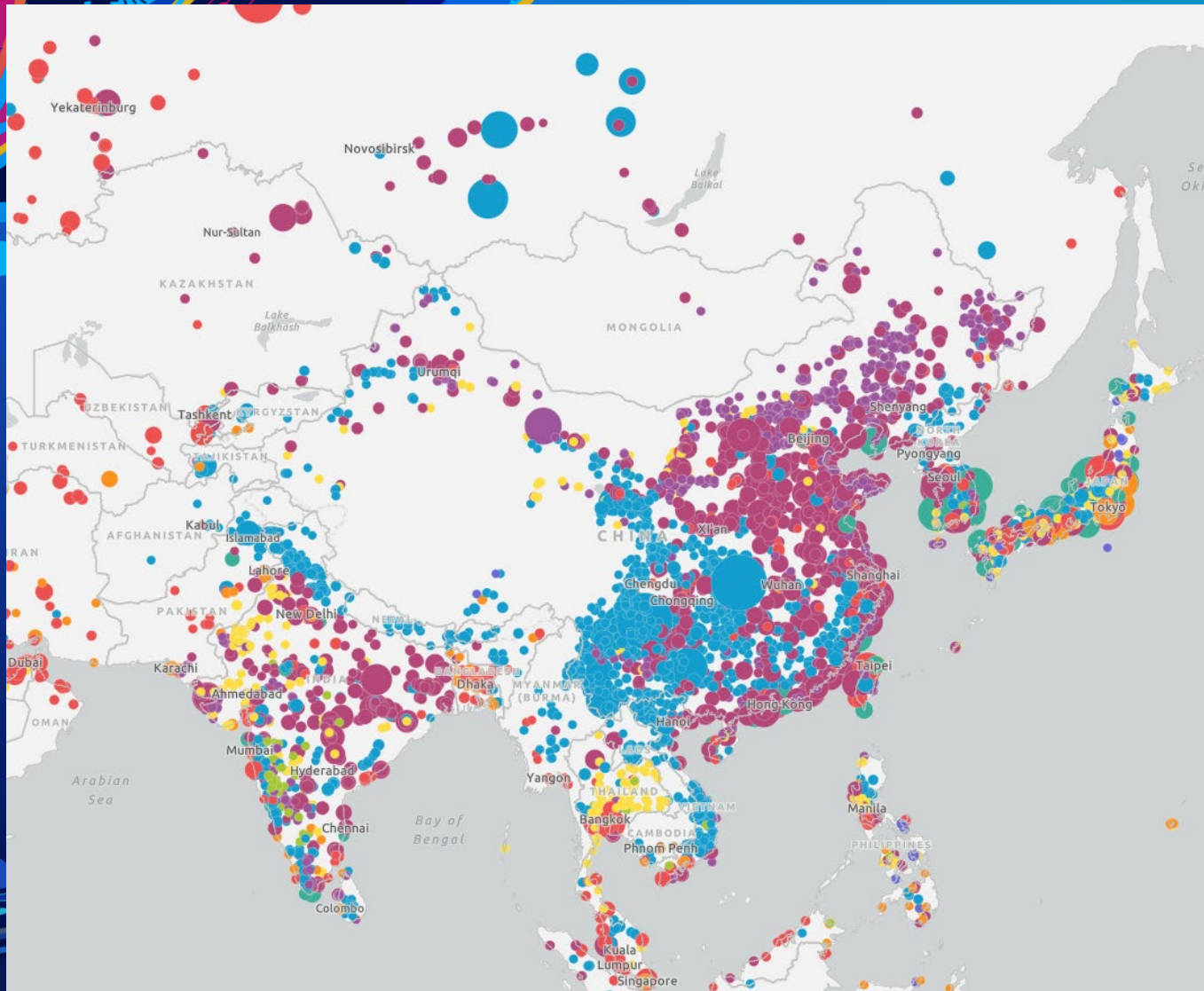
Last update: 2020-12-13, 3:11 p.m..

For the most current and authoritative information about COVID-19 testing in your area, visit your local [health department website](#).

Clear search location

Nearby

Beth Romero



Interactive Legend

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