



Getting The Most Out Of ArcGIS Configurable Web Apps

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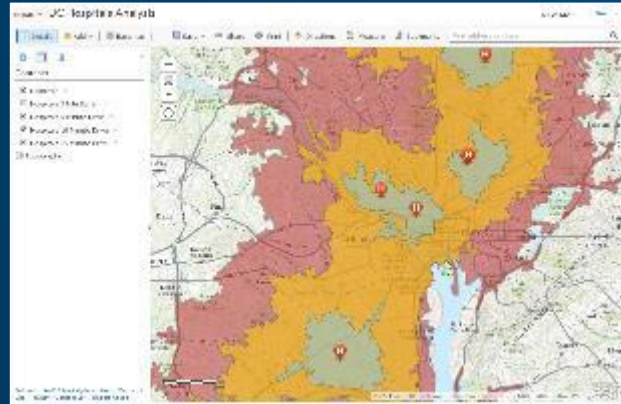
iwittenmyer@esri.com

What are configurable apps?

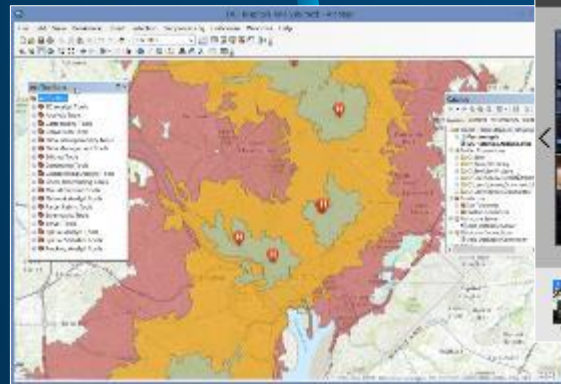
- Hosted apps maintained by Esri in the cloud
- Designed for you to *configure* – no programming needed
- Fastest and easiest way to go from a map to a shareable app



Web maps are building blocks of web GIS



Map Viewer
(for authoring)

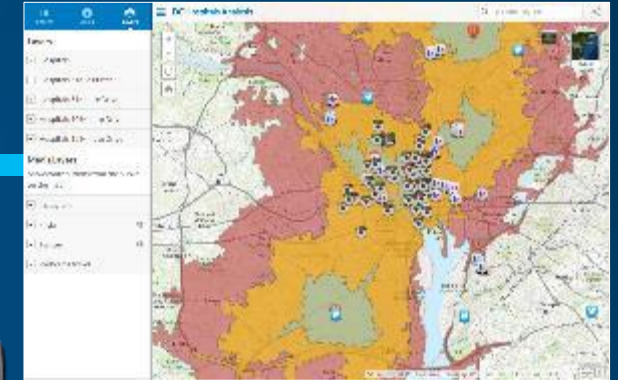
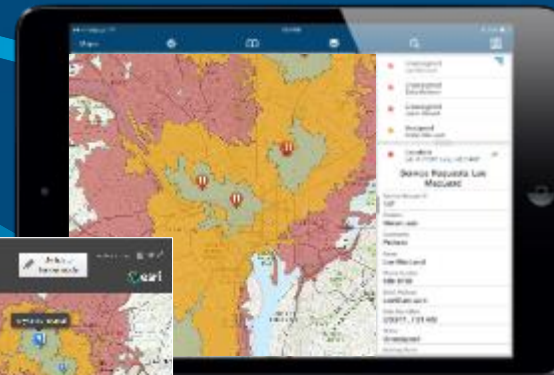


ArcGIS Desktop



Story Maps

Apps for field



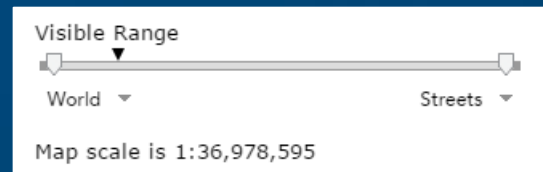
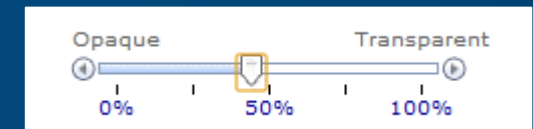
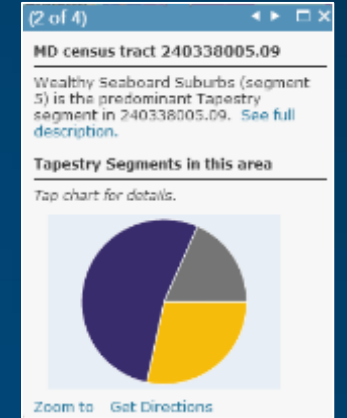
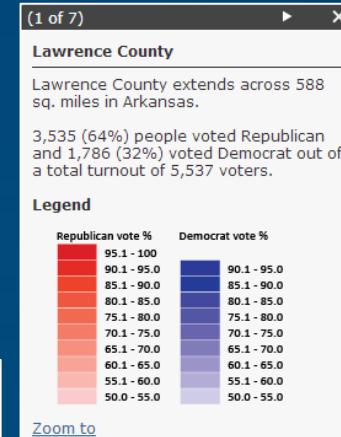
Configurable apps



Devices

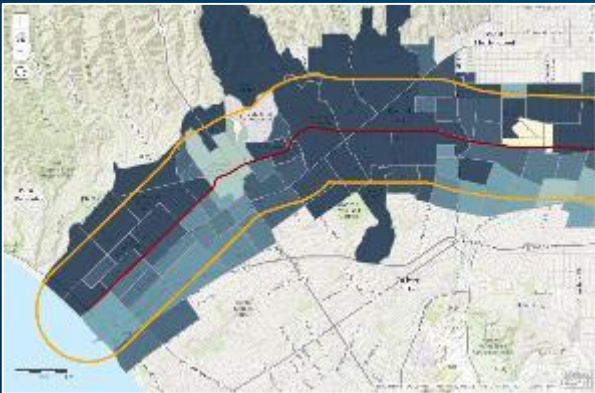
A great app starts with a great map

- Cartography (smart mapping)
- Transparency, scale ranges, bookmarks
- Pop-ups
- Performance

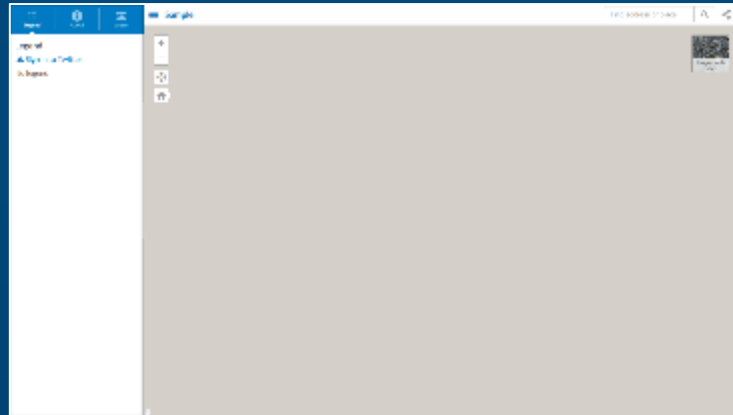


Apps complete the user experience

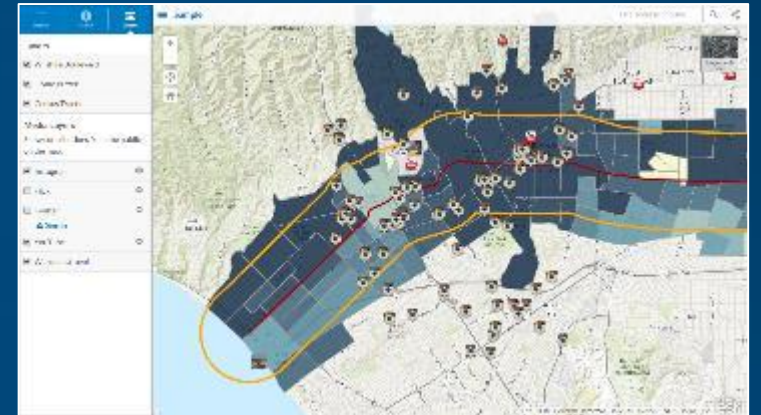
- Present map information and tools in meaningful ways
- Configure to reach target audience
- Support workflows and workforce tasks



Map



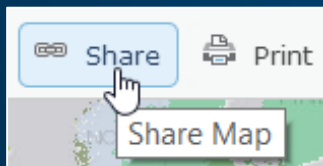
App template



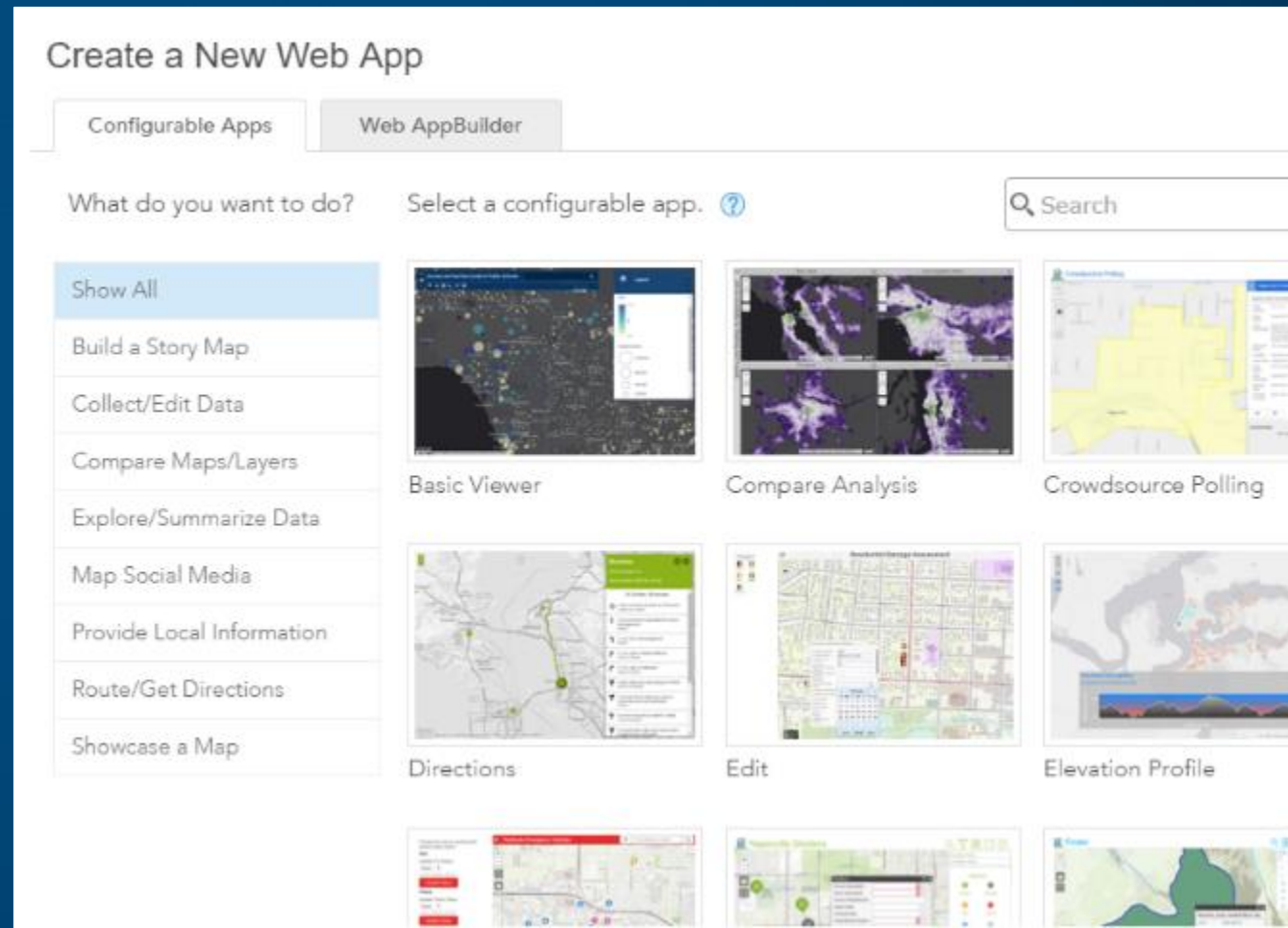
Configured application

Where to find configurable apps

- Create a new web app gallery
 - Built in to sharing workflow

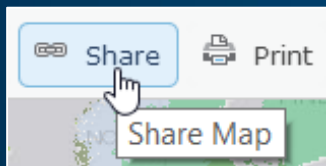


CREATE A WEB APP

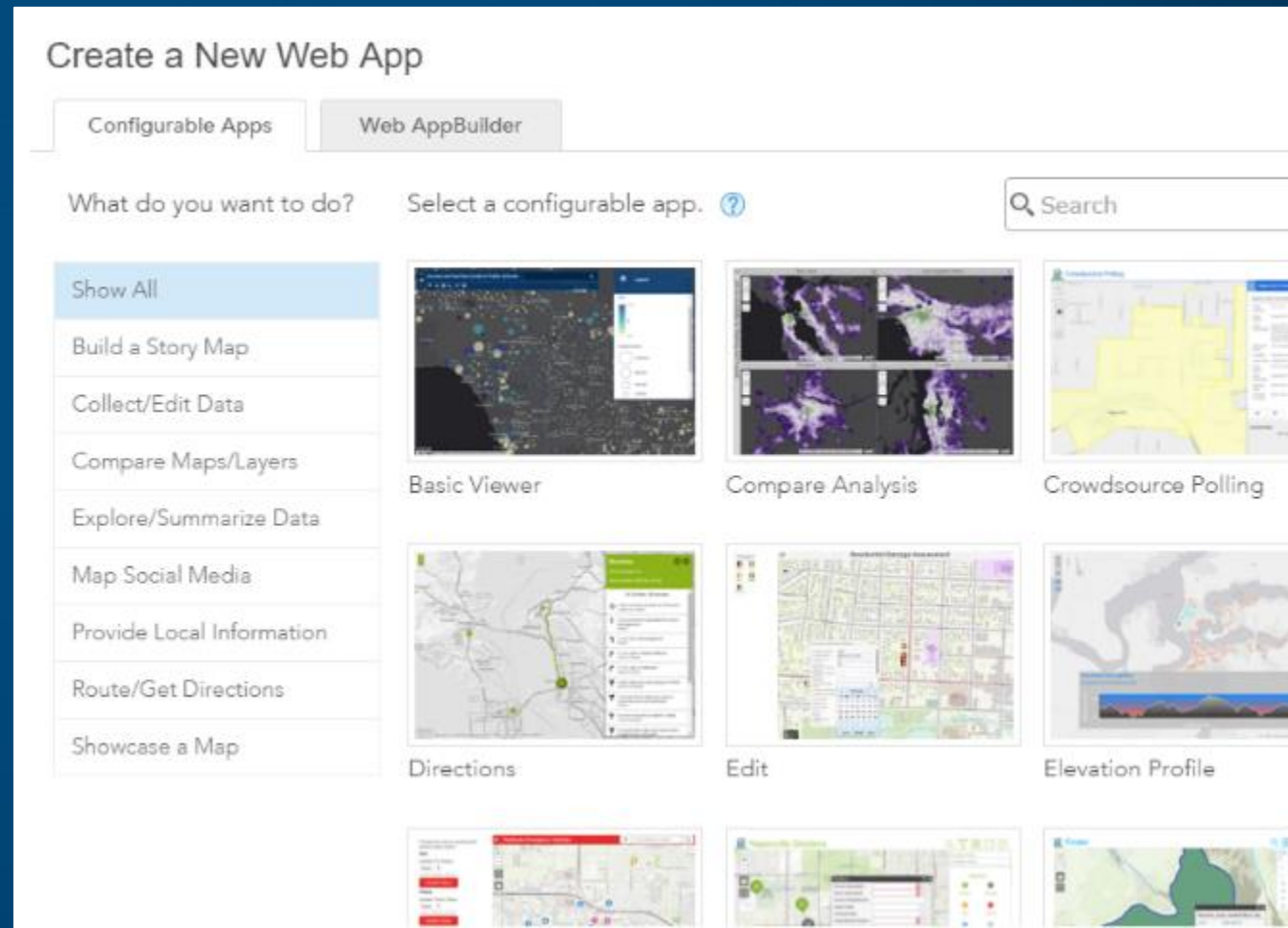


Where to find configurable apps

- Create a new web app gallery
 - Built in to sharing workflow
- Story Maps
 - <https://storymaps.arcgis.com>
- Solutions
 - <https://solutions.arcgis.com>



CREATE A WEB APP



Demonstration

Bern

The background of the slide is an abstract composition. The upper two-thirds of the image are filled with a textured, marbled pattern in shades of orange and red, resembling crumpled paper or a topographical map. The lower third of the image features a series of dark blue, wavy, layered shapes that suggest a landscape or a stylized cityscape. Within these blue shapes, there are some lighter blue, grid-like patterns that could represent a city plan or a network.

Configurable apps in more detail

lan

What do you want to do?

What do you
want to do?

Create a New Web App

Configurable Apps Web AppBuilder

What do you want to do? Select a configurable app. ? Search

Show All

Build a Story Map

Collect/Edit Data

Compare Maps/Layers

Explore/Summarize Data

Map Social Media

Provide Local Information

Route/Get Directions

Showcase a Map

Basic Viewer

Compare Analysis

Crowdsourcing Polling

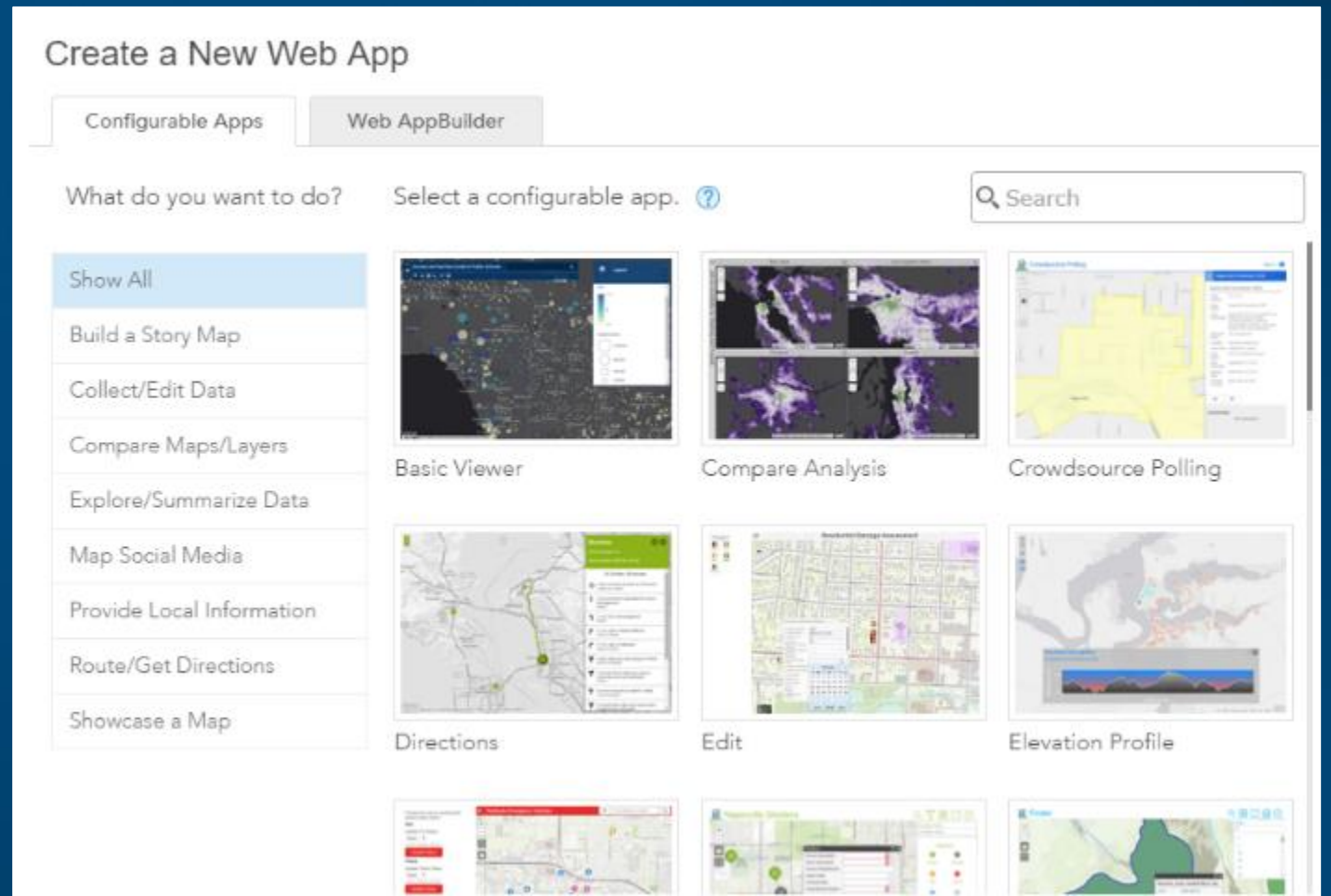
Directions

Edit

Elevation Profile

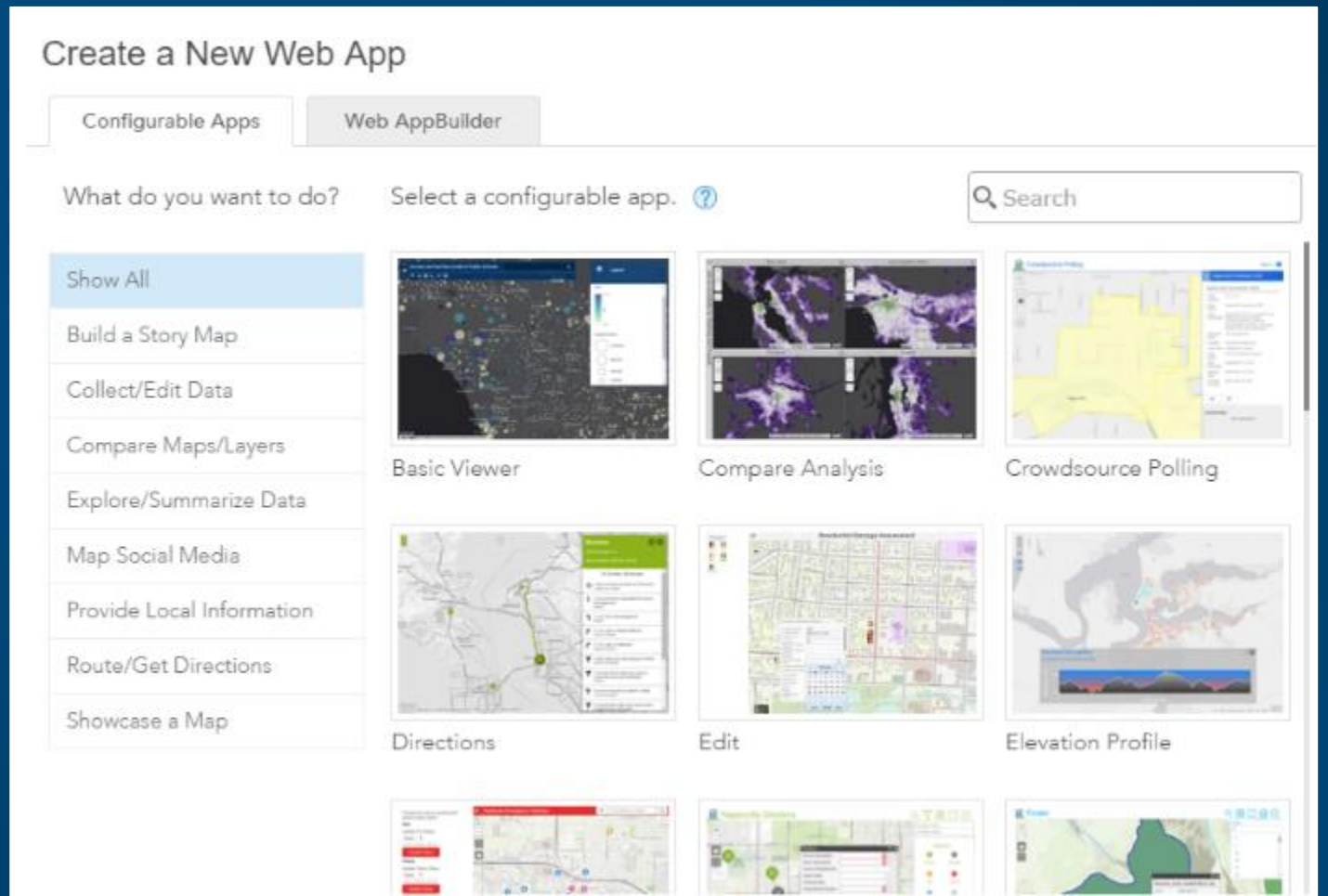
What do you want to do?

- Build a story map
- Collect/edit data
- Compare maps/layers
- Explore/summarize data
- Map social media
- Provide local information
- Route/get directions
- Showcase a map



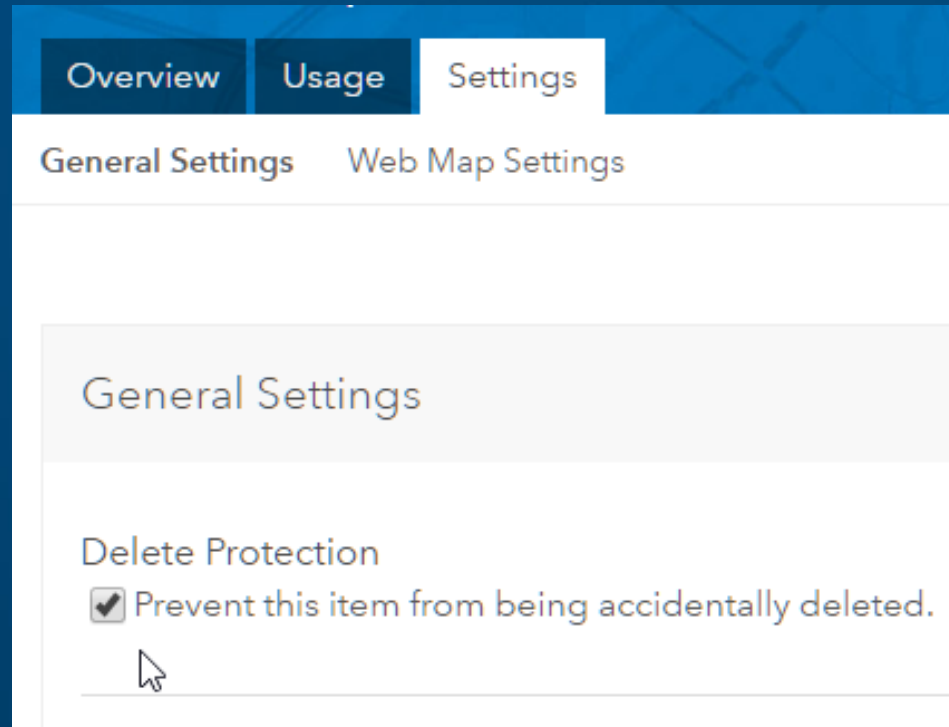
Some apps and tools have map requirements

- Bookmarks
- Filter
- Editable feature layer
- Attributes
- Others...



Delete protection

- Item Setting tab
- Ensures apps and related items don't vanish



Demonstration

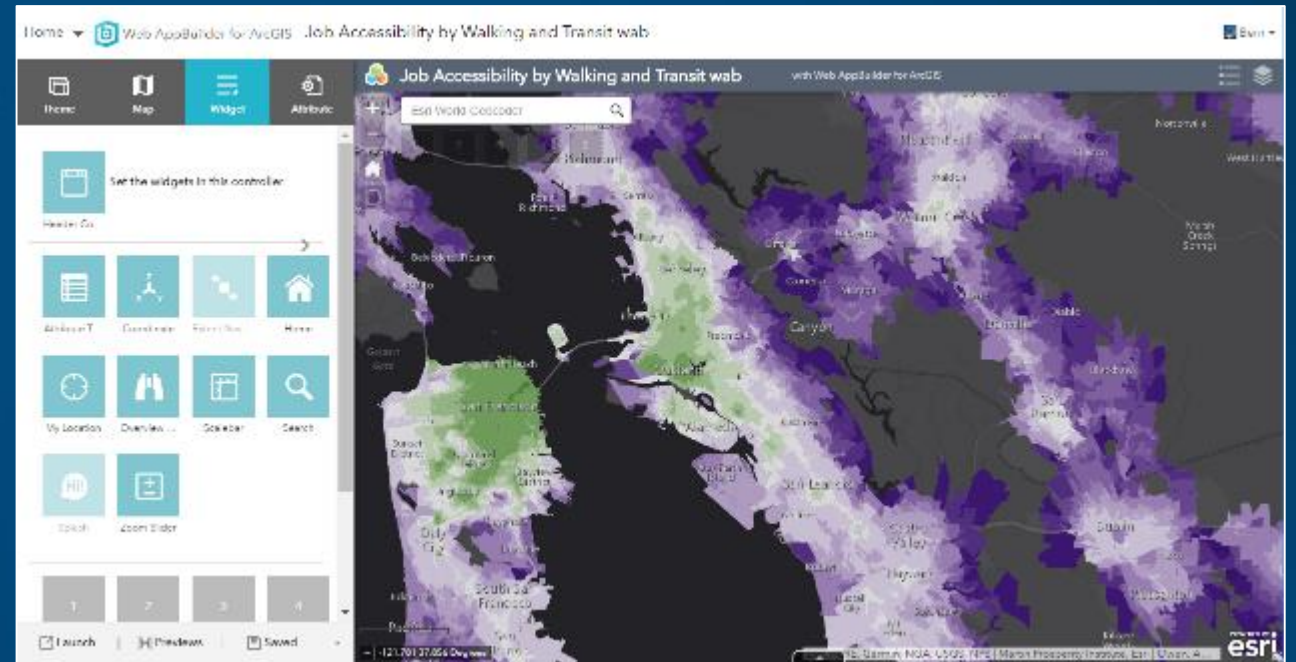
Ian

Web AppBuilder

lan

Web AppBuilder for ArcGIS

- Assemble an application using a theme, layout, and configurable widgets



Demonstration

Ian

Story Maps

Bern

A stylized topographic map of Bern, Switzerland. The map features a color gradient from light blue at the top to dark blue at the bottom, representing elevation. The city of Bern is depicted in the lower right, with a detailed grid pattern indicating streets and buildings. The surrounding area is shown with wavy, organic shapes representing the terrain.

Story Maps website



[Storymaps.arcgis.com](https://storymaps.arcgis.com)

Story Maps website

- Showcase and gallery
- Create a New Story
- Story Map Tutorials, training
- My Stories
- Documentation, training links, FAQs
- Blog, Planet Story Maps
- Developer info


 *Everything you need to succeed*



My Stories

Tools to validate maps and media, manage, update, and share your stories

No issues found 

We found some
issues 

Premium content

Your story contains premium content that will consume **credits** when publicly available. Confirm to make these layers public or remove the layers from your story.

CONFIRM

Subscription content


Bern's stories

33 stories

Storytelling is the most powerful way to put ideas into the world today.

-- Robert McKee

 CREATE STORY

 CHECK STORIES

Search your stories...

Sort: Title ▾

Filter ▾

33 results ✕



A Brief Tour of America's Five Largest Cities

Map Journal | Public | Modified January 5, 2017

1,004 views



Anchialine Caves and Cave Fauna of the World

Map Journal | Public | Modified October 30, 2016

371 views



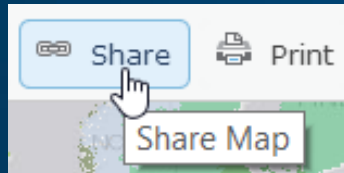
ArcGIS Online Arctic Maps Swipe (UC 2015)

Swipe/Spyglass | Public | Modified July 31, 2015

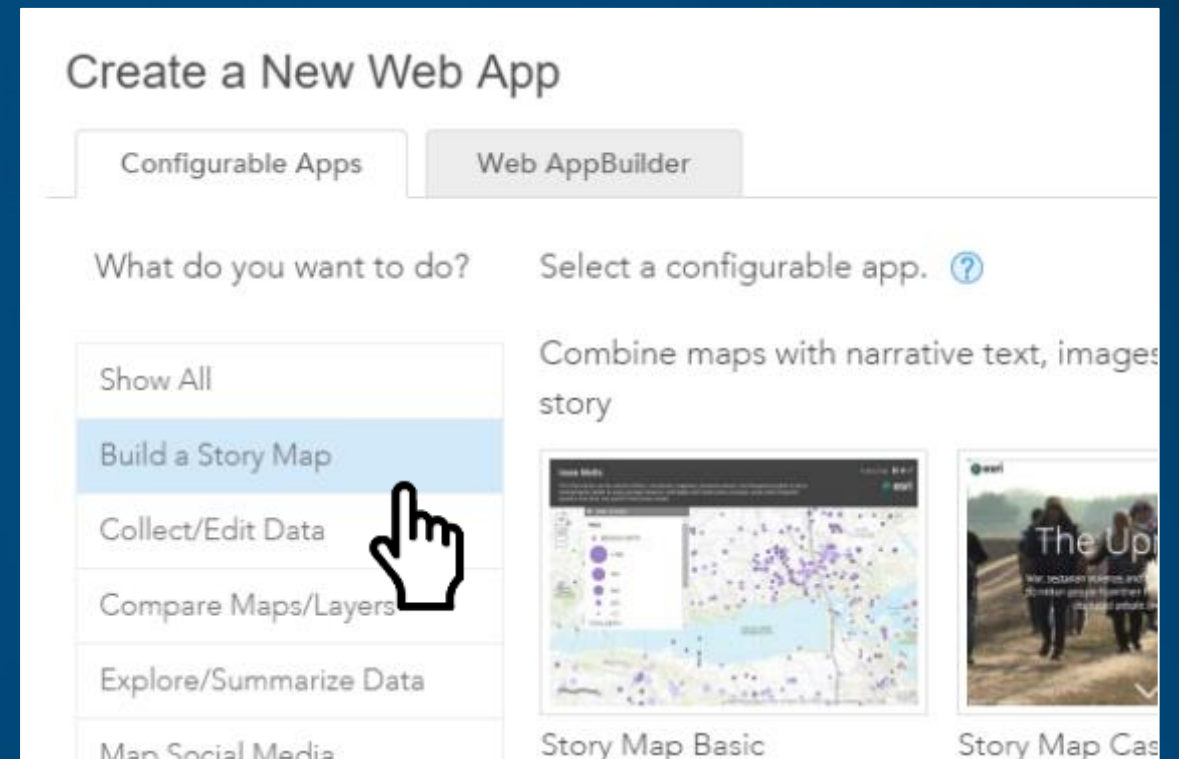
123 views

Two workflows

1. Start with a web map
2. Start at the Story Maps website



CREATE A WEB APP



Two workflows

1. Start with a web map
2. Start at the Story Maps website

Get started right away!

CREATE STORY



Story Map TourSM

This app presents a sequential, place-based narrative in the form of a series of geotagged photos and captions linked to an interactive map. It's ideal for walking tours or for a series of locations you'd like users to follow in sequence.

Features:    

LEARN MORE

BUILD A MAP TOUR



Recommended workflow

Story Maps use builders (and have help)

WELCOME TO **Map Journal** Builder

Which layout do you want to use? ?










Side Panel
A layout for a text intensive story that excels at combining your photos, videos, and maps in a clear focused message.
[VIEW A LIVE EXAMPLE](#)



Floating Panel
A layout that puts your cartography in focus while allowing a transparent short form text panel to help tell the story.
[VIEW A LIVE EXAMPLE](#)

[START](#)


 **Help**


ADD SETTINGS ORGANIZE EDITS SHARE TIPS

By default the maps location are synchronized. Disabling synchronization allows each map to display a different location.

Synchronization ON



Synchronization OFF



To disable synchronization, go to Settings > Map Options and uncheck "Synchronize map locations".

Want more? Visit the Esri Story Maps website. [CLOSE](#)

Story Maps have multiple layouts

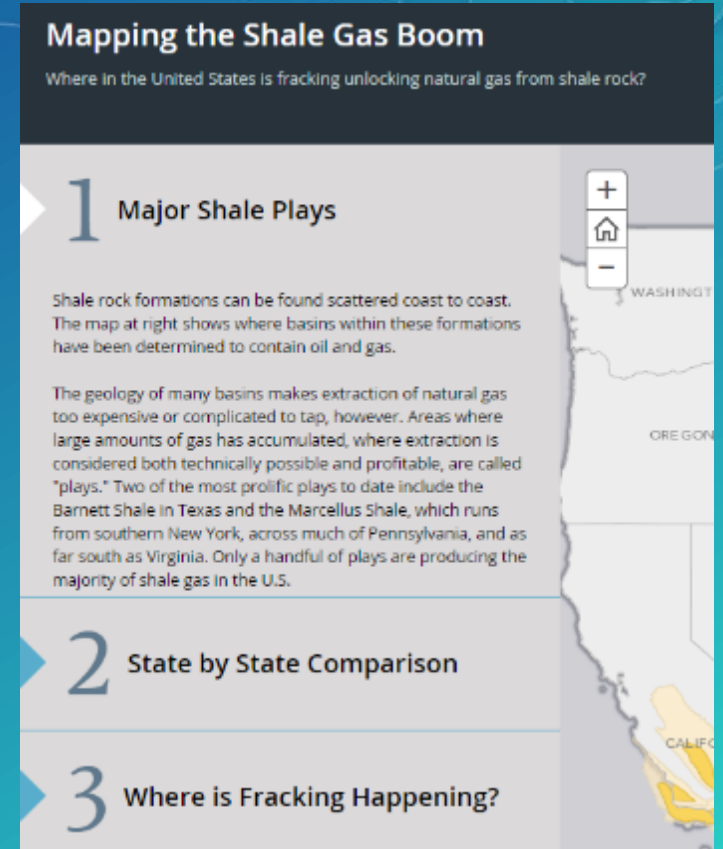
Story Map Series



Bulleted



Tabbed



Side Accordion

Demonstration

Bern

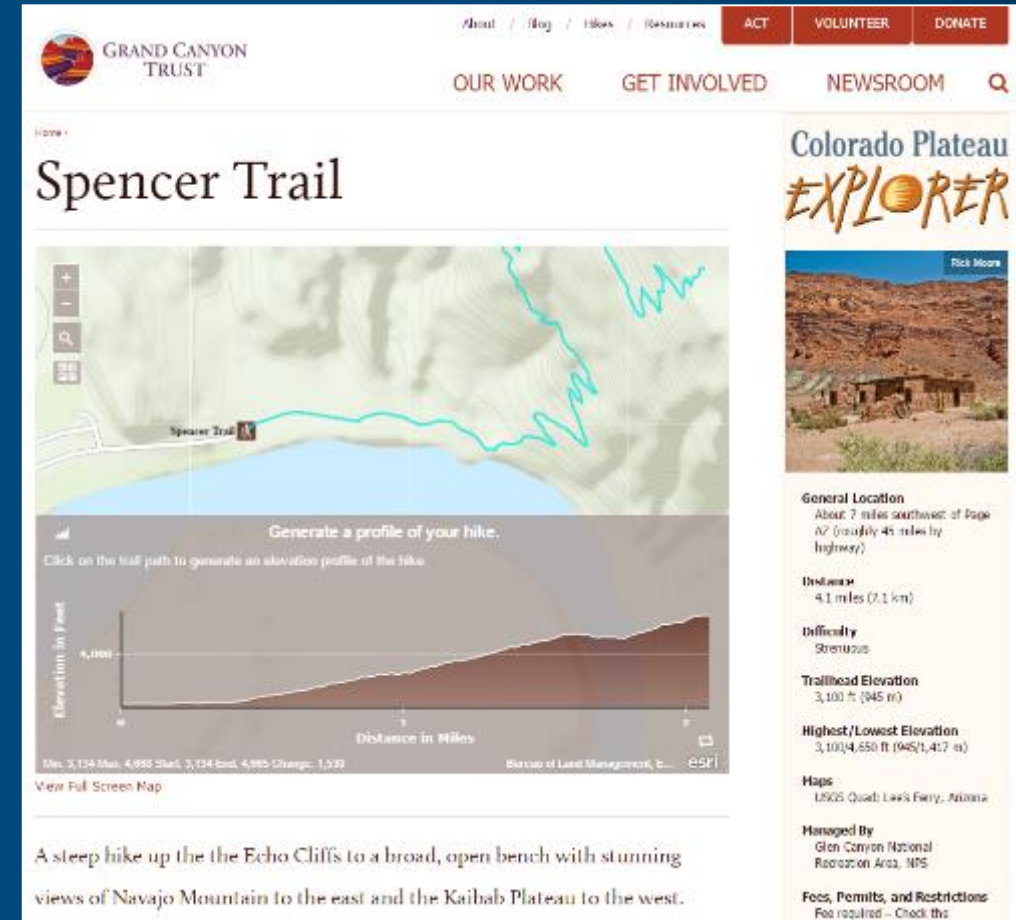
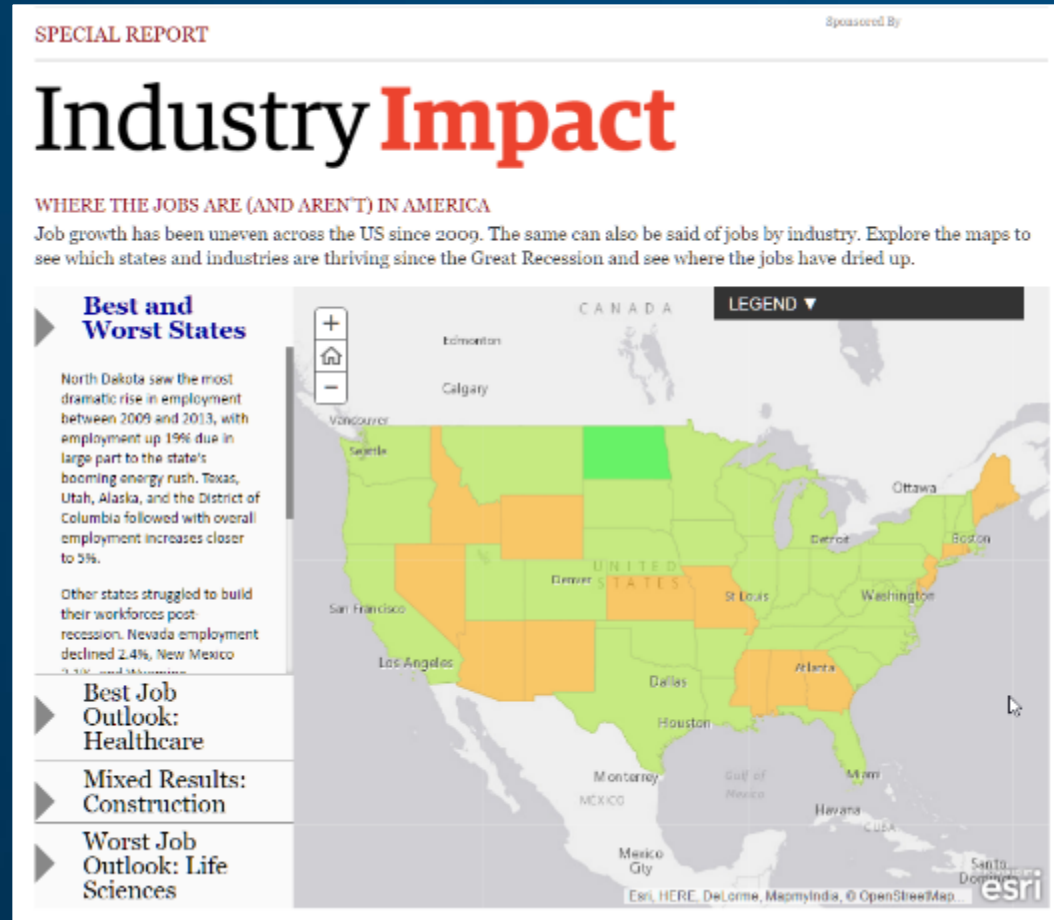
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Doing More

Bern

The image features a background split into two main color sections: a teal-blue upper half and an orange-red lower half. The orange-red section contains a dark blue, irregularly shaped area with a white grid pattern, resembling a map of a city. The word "Bern" is written in a white, italicized font within this dark blue area.

Apps can be embedded in websites



Embedding apps in websites

- Use iframe
- Protocol relative URL (src="//myorg..." vs. src="http://myorg...")
- Minimize app UI for embedding

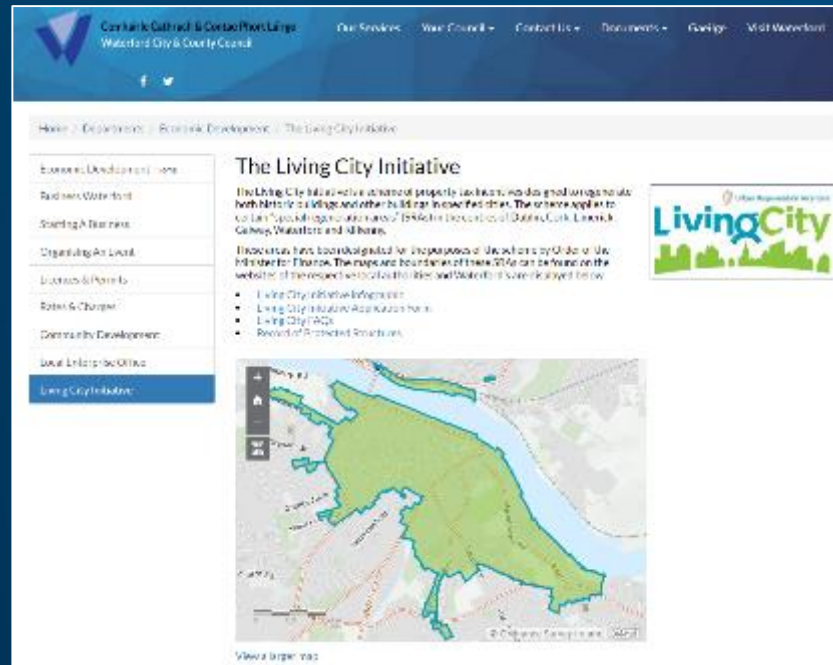
```
<iframe width=100% height="600" frameborder="1" scrolling="no"  
marginheight="0" marginwidth="0"  
src="//myorg.maps.arcgis.com/apps/View/index.html?  
webmap=8a896ce35a3c454f959c102a4f7b72e8"></iframe>
```



App URL

Embedding apps in websites

- Mimimize the UI in the configuration panel
- Allow room for the app to “breathe”



for Business. Metrics included property rights, innovation, taxes, technology, corruption, freedom (personal, trade and monetary), red tape, investor protection and stock market performance (click here for complete coverage).

The Asia-Pacific region landed five countries in the top 25 with the U.S. and Canada the other representatives outside of Europe. The U.S. ranked No. 23, which marked the seventh straight year of declines for the world's biggest economy. The U.S. ranked first in 2006.

Seven African nations populate the bottom 10 of the rankings, including Chad, which ranked last for the second straight year. High levels of corruption, insecurity and taxes continue to plague most of these nations.



Ease of Doing Business 2016

Top 10

Bottom 10

1) Sweden

2) New Zealand

130) China

190) Angola



Embedding story maps in websites

- Use &embed at the end of the URL

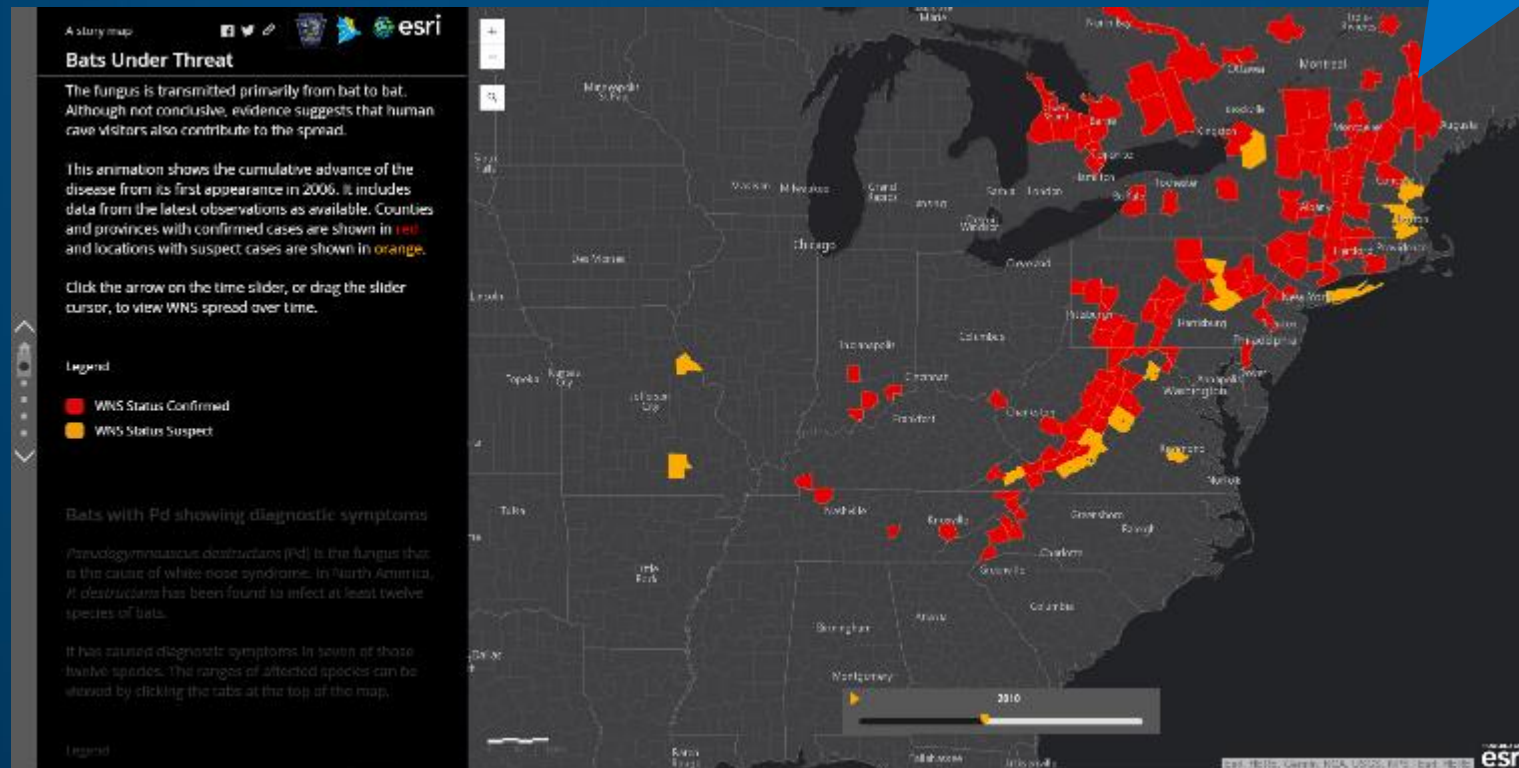
&embed



Embedding apps in story maps

- Use URL (note http vs. https)
- Minimize the UI for embedding

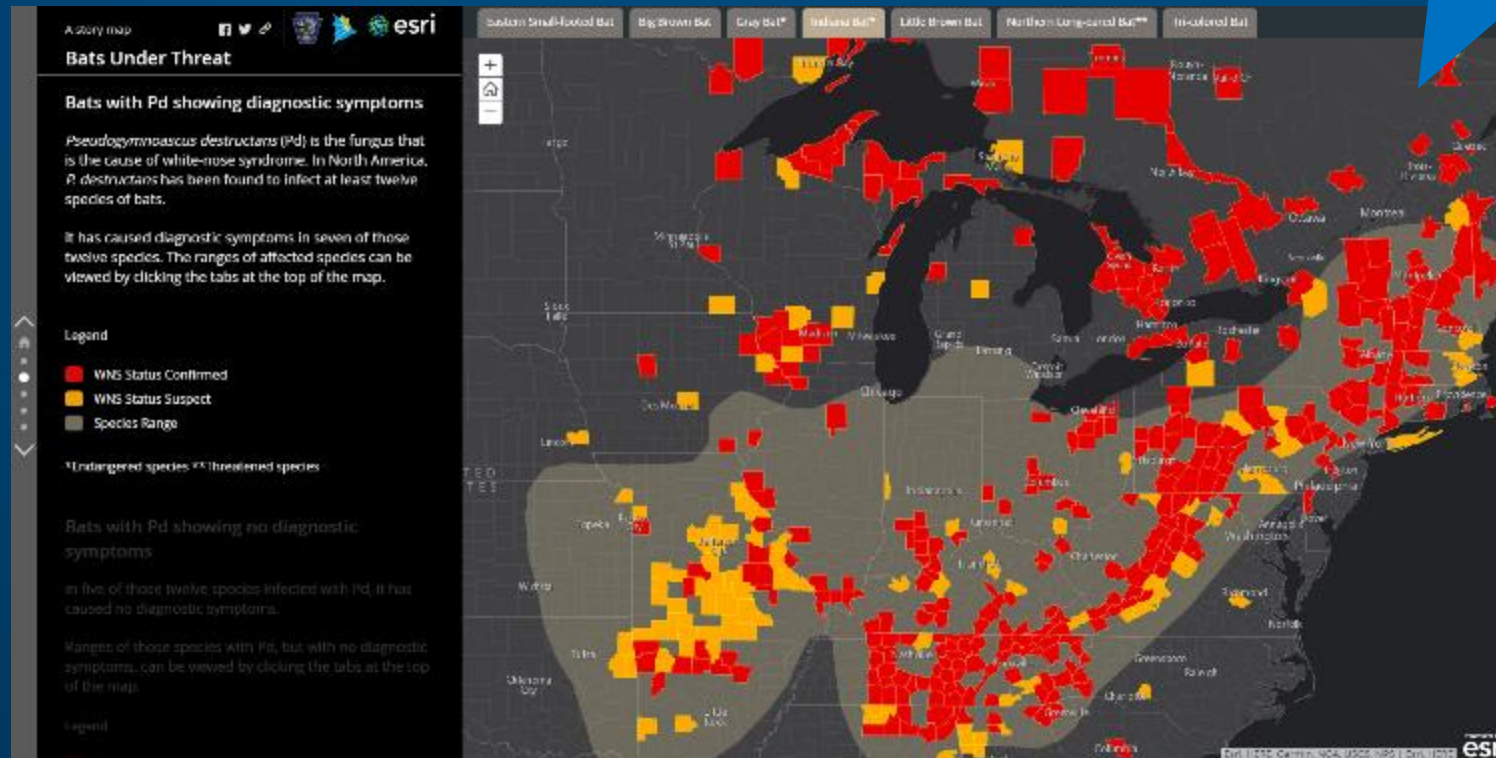
Time Aware in
Story Map Journal



Embedding story maps in story maps

- Minimize the UI (&embed)

Story Map Series
in
Story Map Journal



Embedding a web map

- Choose map options
- HTML is automatically generated
- Based on Minimalist

Embed in Website

Choose the size of your map. [?](#)

W X H ☒ Allow responsive sizing

Copy and paste HTML to embed in website.

`<style>.embed-container {position: relative; padding-bottom: 80%; height: 0; max-width: 100%;` [COPY](#)

Map Options [Add Symbol](#)

Choose options to display on your map.

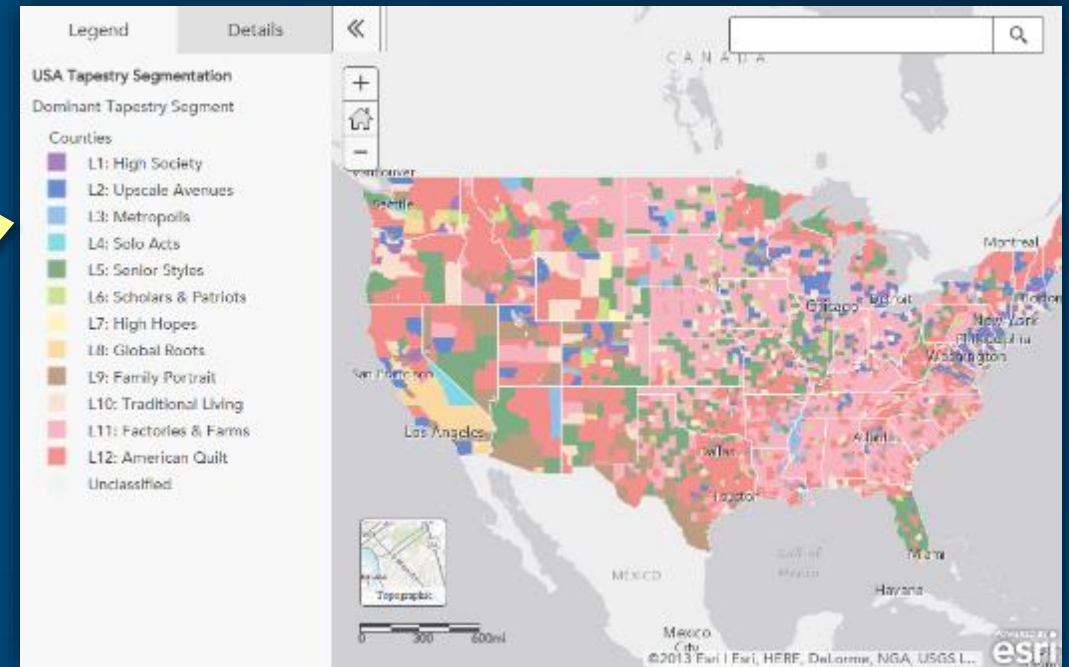
<input checked="" type="checkbox"/> Zoom Control	<input checked="" type="checkbox"/> Scale Bar
<input type="checkbox"/> Home Button	<input type="checkbox"/> Location Search
<input type="checkbox"/> Basemap Selector	<input type="checkbox"/> Map Details
<input type="checkbox"/> View larger map	<input type="checkbox"/> Legend
<input checked="" type="checkbox"/> Disable scroll zoom	

Choose your theme.

☒ Light ☐ Dark

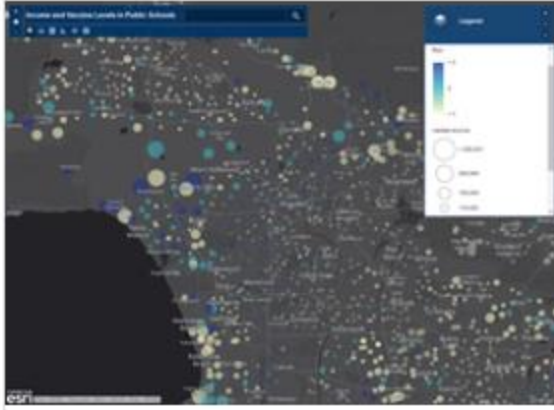
Map Preview

BACK DONE



App source code

- Available on GitHub
- Must self-host



Basic Viewer

Presents a map in a general purpose app with a collection of essential tools including edit and print.

[CREATE WEB APP](#)

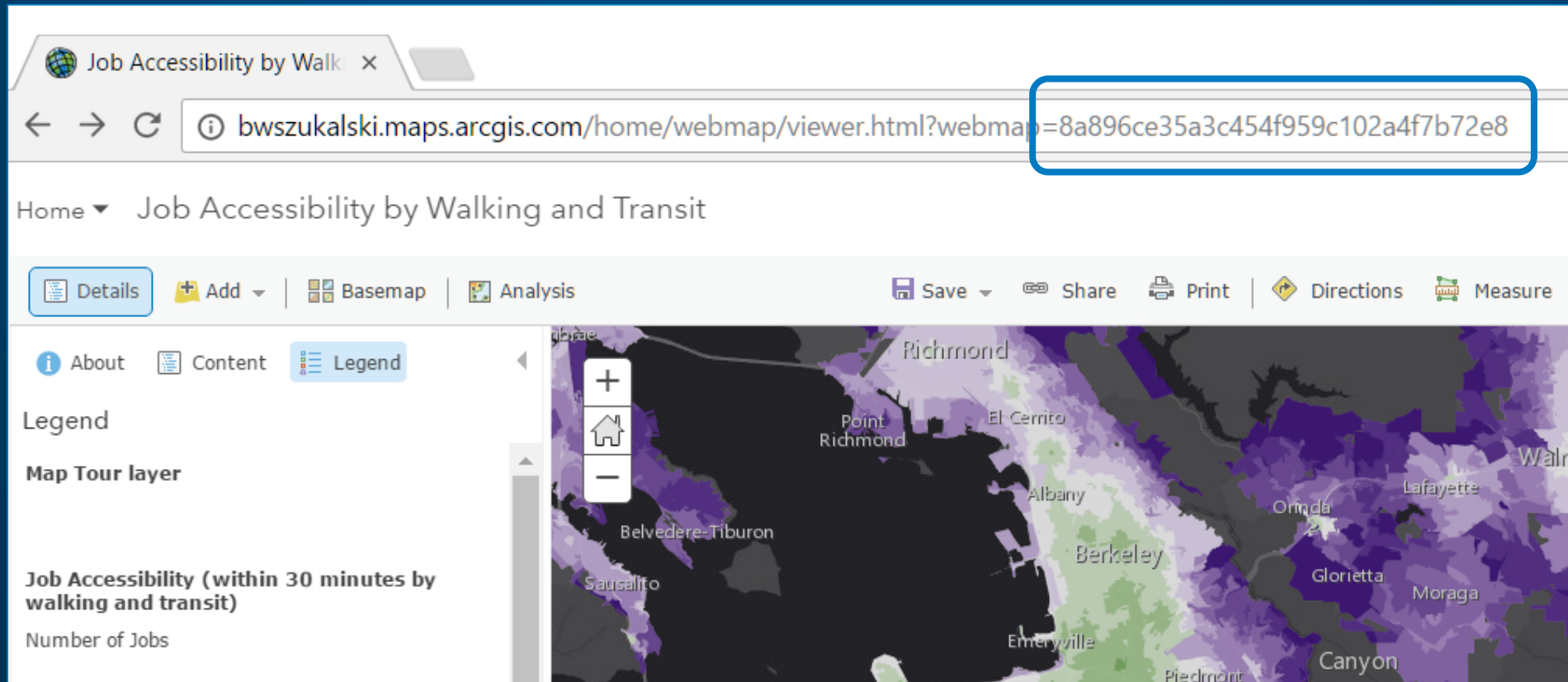
[PREVIEW](#) [DOWNLOAD](#)

[CLOSE](#)



Map ID

- Each map has a unique identifier



Use ID in source code

```
12 | Unless required by applicable law or agreed to in writing, software
13 | distributed under the License is distributed on an "AS IS" BASIS,
14 | WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
15 | See the License for the specific language governing permissions and
16 | limitations under the License.
17 */
18 define({
19     //Default configuration settings for the application. This is where
    you'll define things like a bing maps key,
20     //default web map, default app color theme and more. These values can be
    overwritten by template configuration settings and url parameters.
21     "appid": "", //"73909e939be34d2b931f0765ba3bf4a6",
22     "webmap": "f5b13dbed07c46cdb783cf361833aa6b",
23     "oauthappid": null, //"AFTKRmV16wj14N3z",
24     //Group templates must support a group url parameter. This will contain
    the id of the group.
25     //group: "",
26     //Enter the url to the proxy if needed by the application. See the
```

Demonstration

Bern

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questions?
& answers





esri

THE
SCIENCE
OF
WHERE