esri

HEALTH AND HUMAN SERVICES

GIS CONFERENCE
MAKING PLACE MATTER

Creating Great Apps

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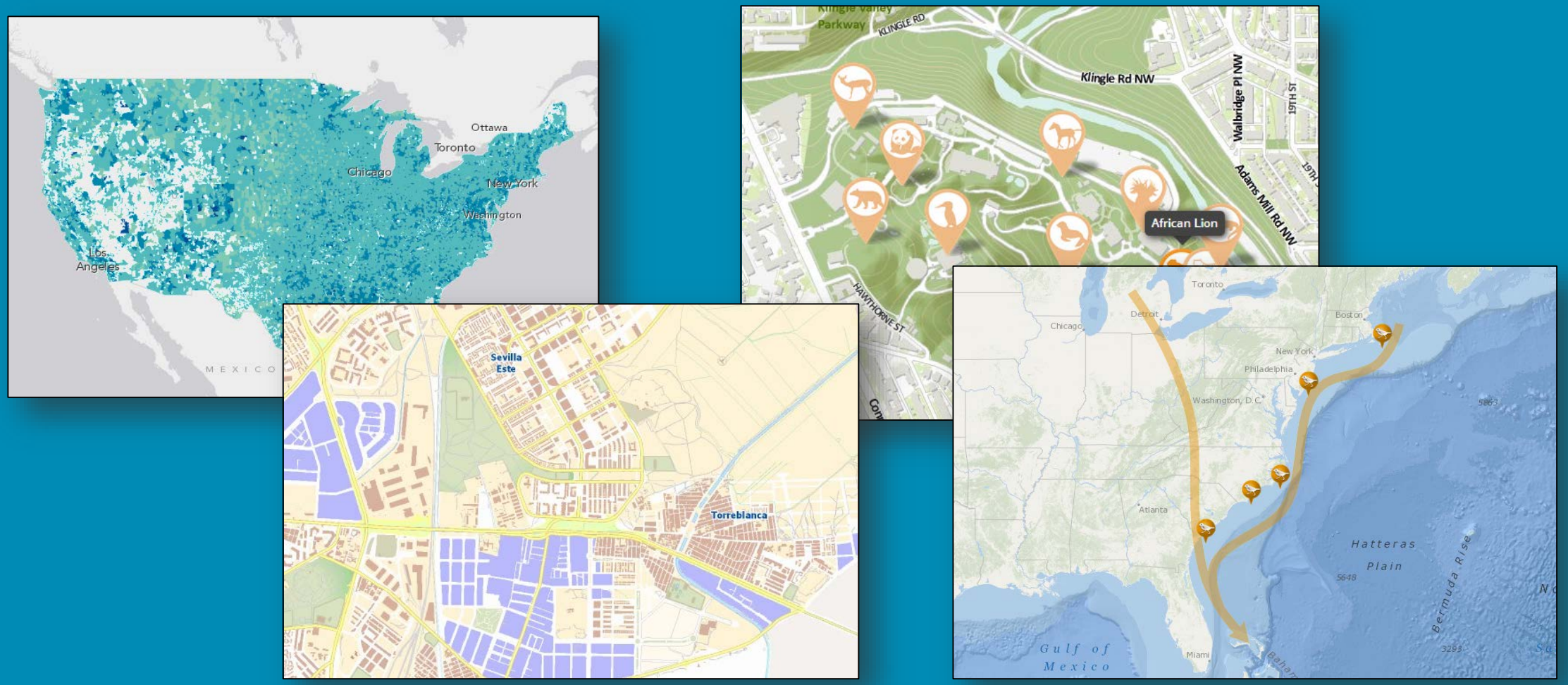
September 2015, Atlanta, Georgia

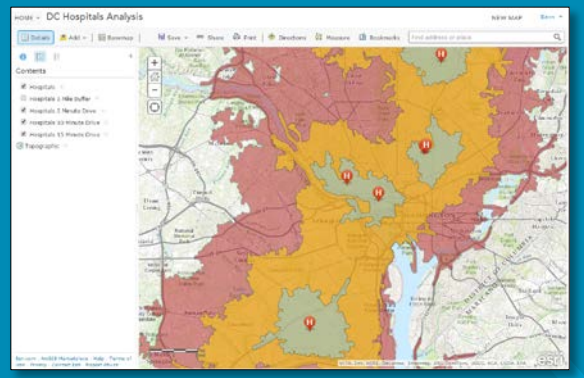
ArcGIS Web Map

The building block of the WebGIS ecosystem



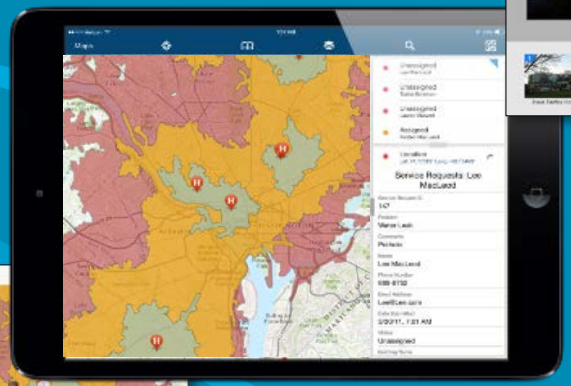
ArcGIS Web Map

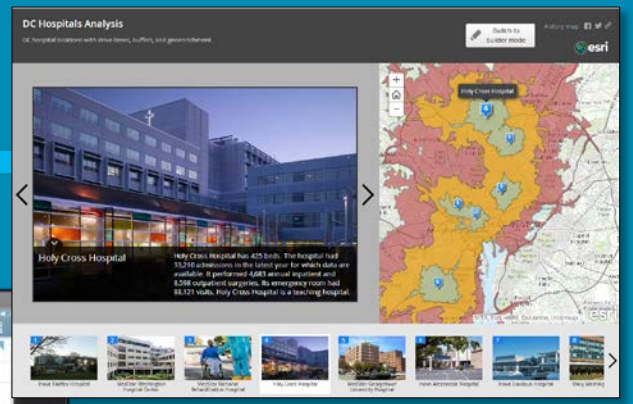
Author and use anytime, anywhere, on any device



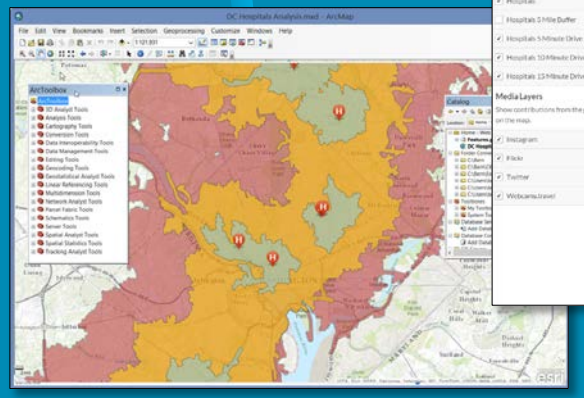
Map Viewer
(for authoring)

ArcGIS Apps

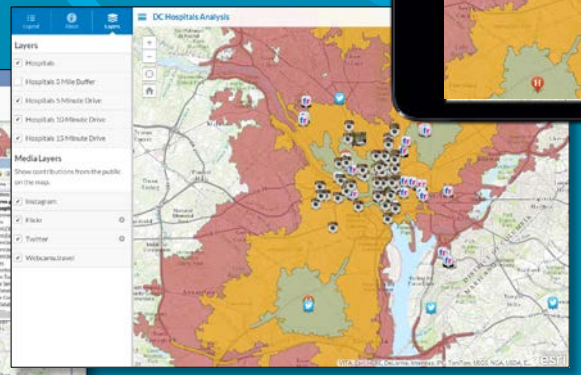




Story Maps



ArcGIS for Desktop

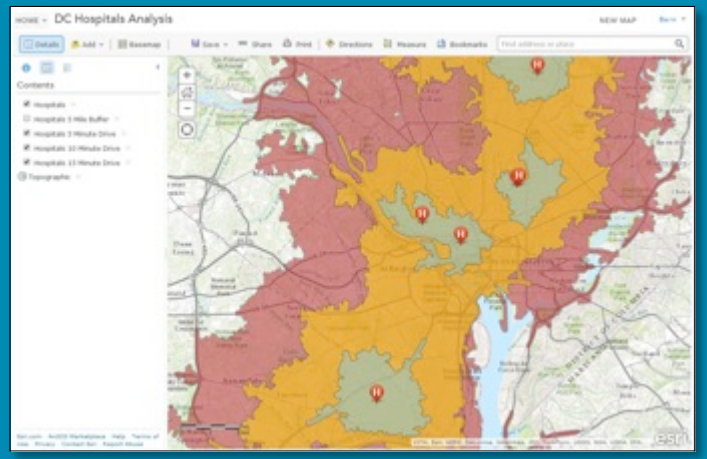


Configurable Apps

Devices

Map viewer vs. apps

Deliver your map in the right context for the intended audi



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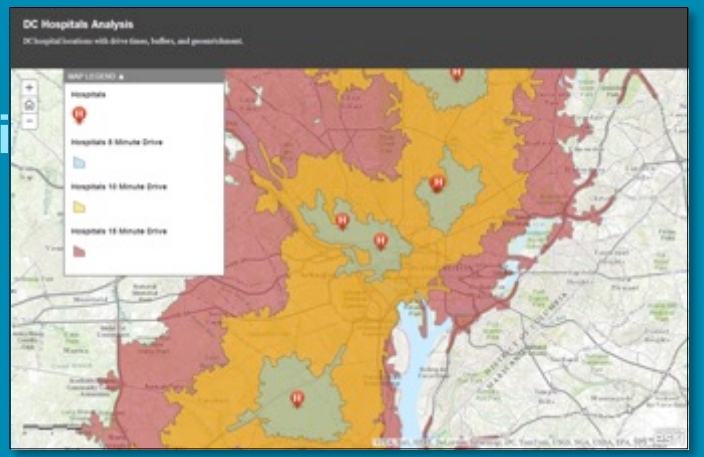
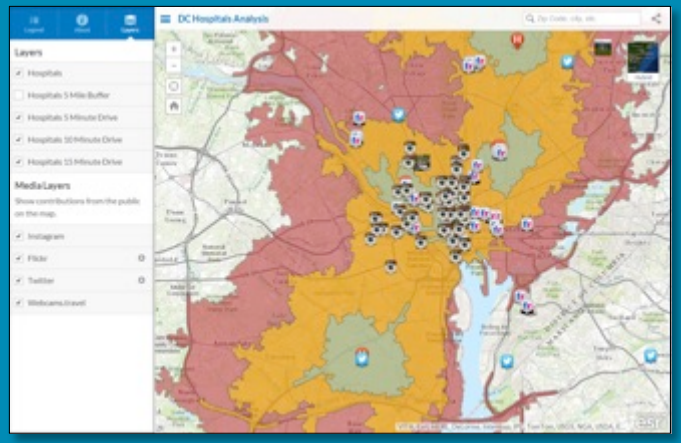


Storytelling Basic



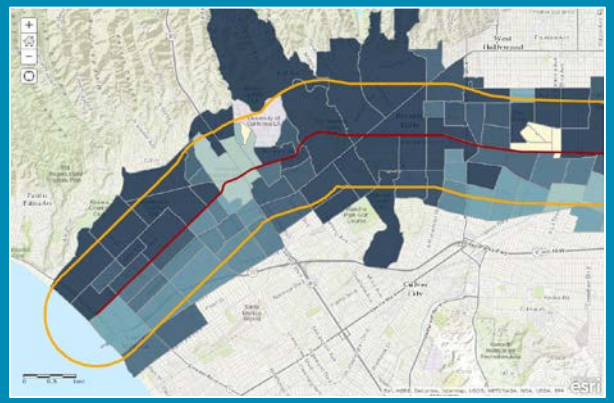
Public Information (PIM)

Story Map Tour

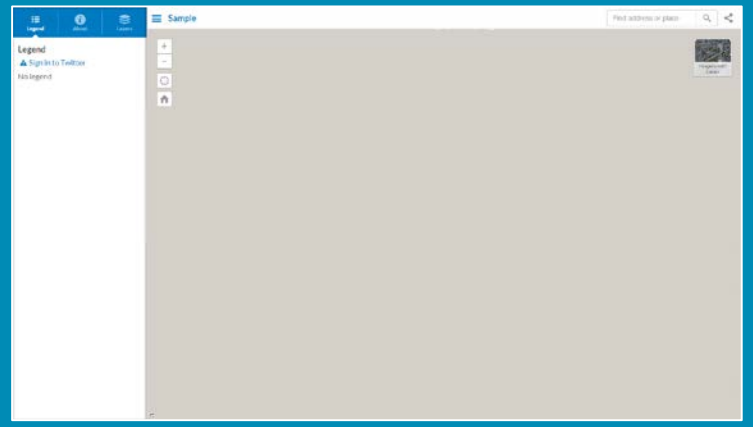
Apps complete the user experience

- Public viewing
- Internal communication
- Decision makers
- Common workflows
- Deliver tools and/or data for tasks

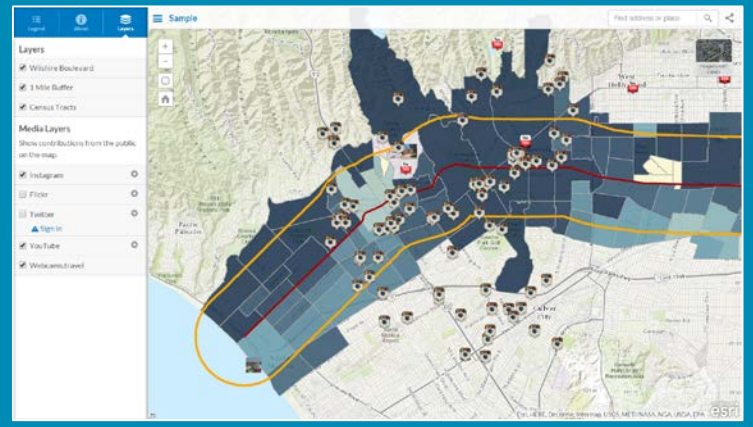
Map



App Template

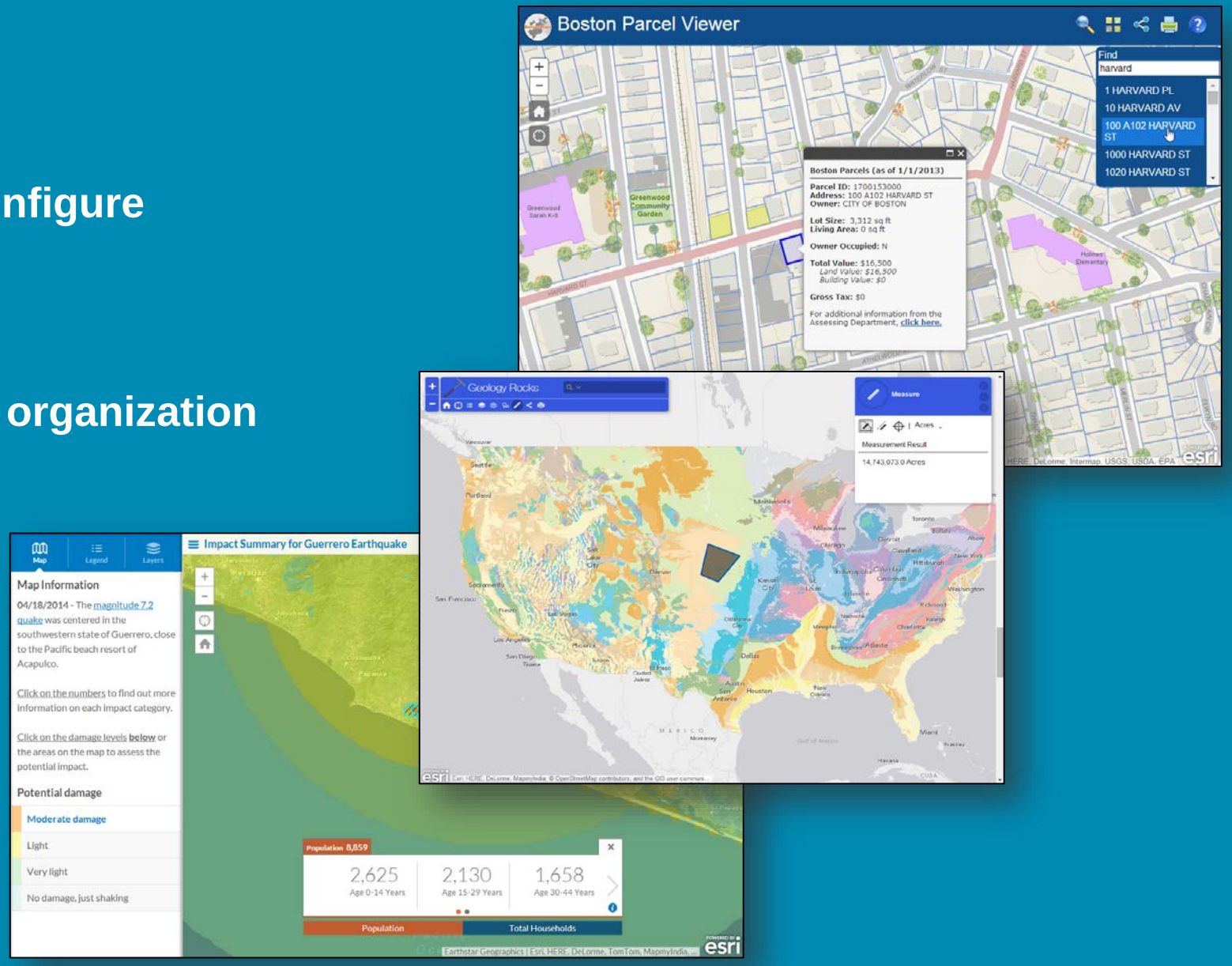


Configured Application

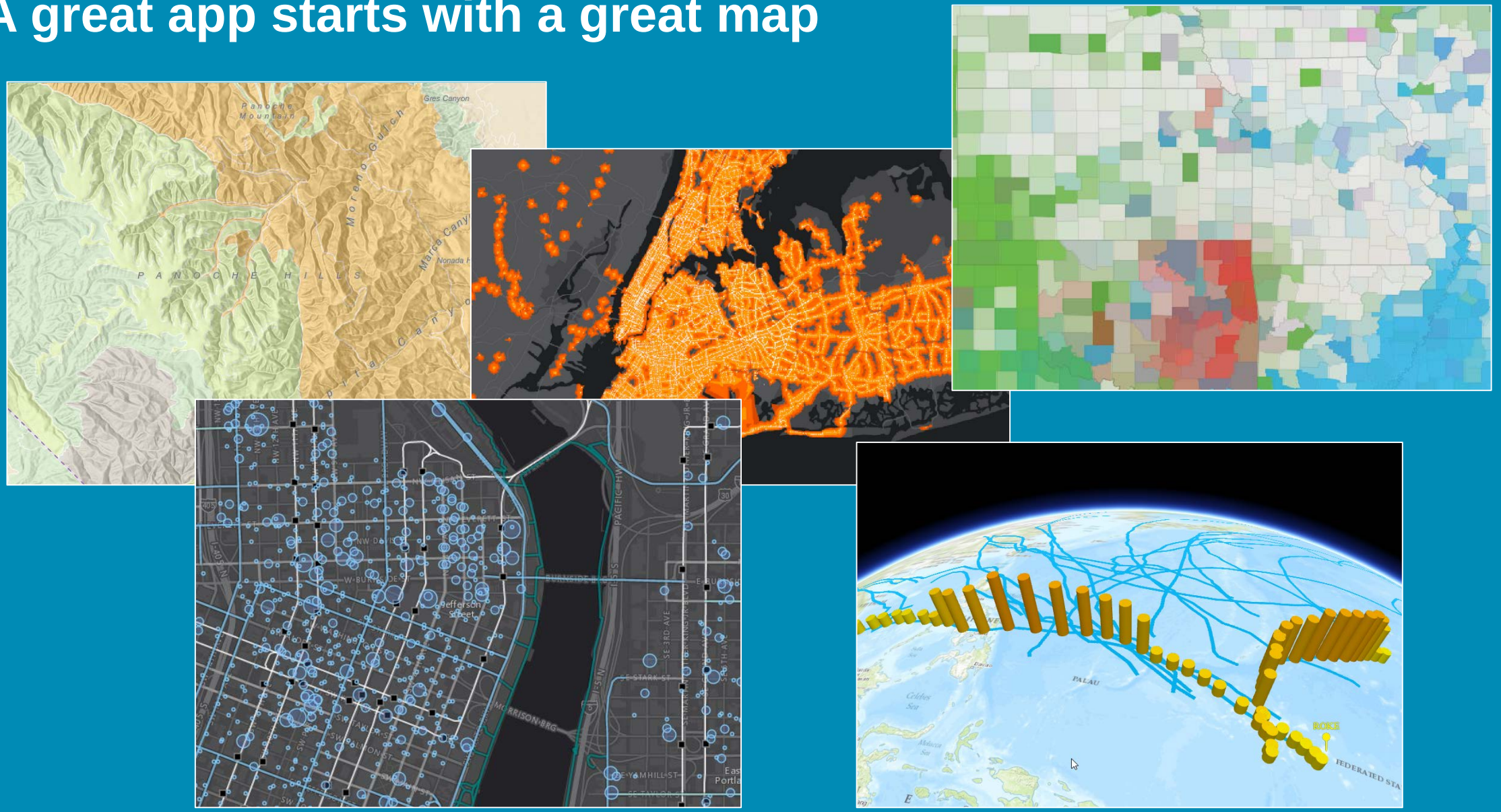


Web App Advantages

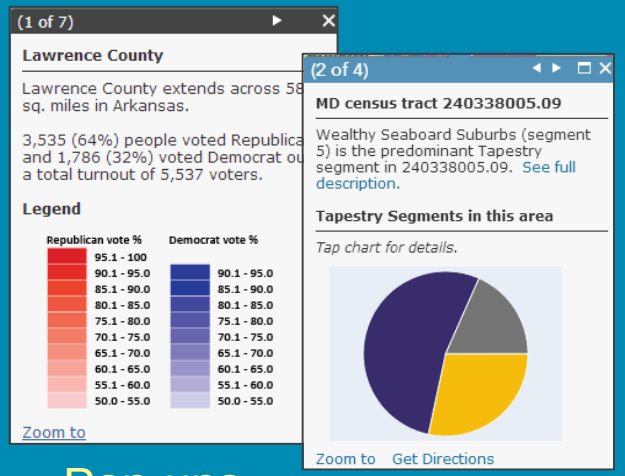
- No programming, easy to configure
- Hosted
- Responsive
- Can be configured into your organization
- Source available
- Can be used everywhere
  - Browser
  - Device
  - Embedded
  - Native apps



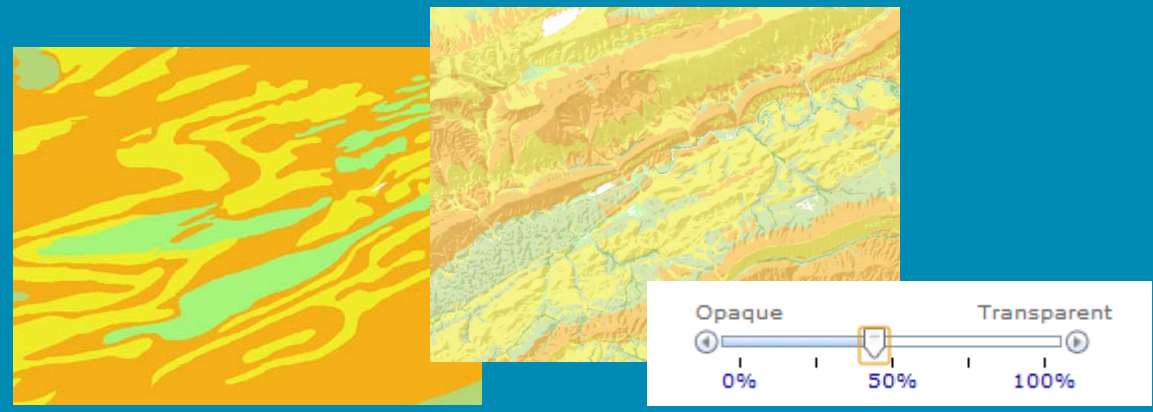
A great app starts with a great map



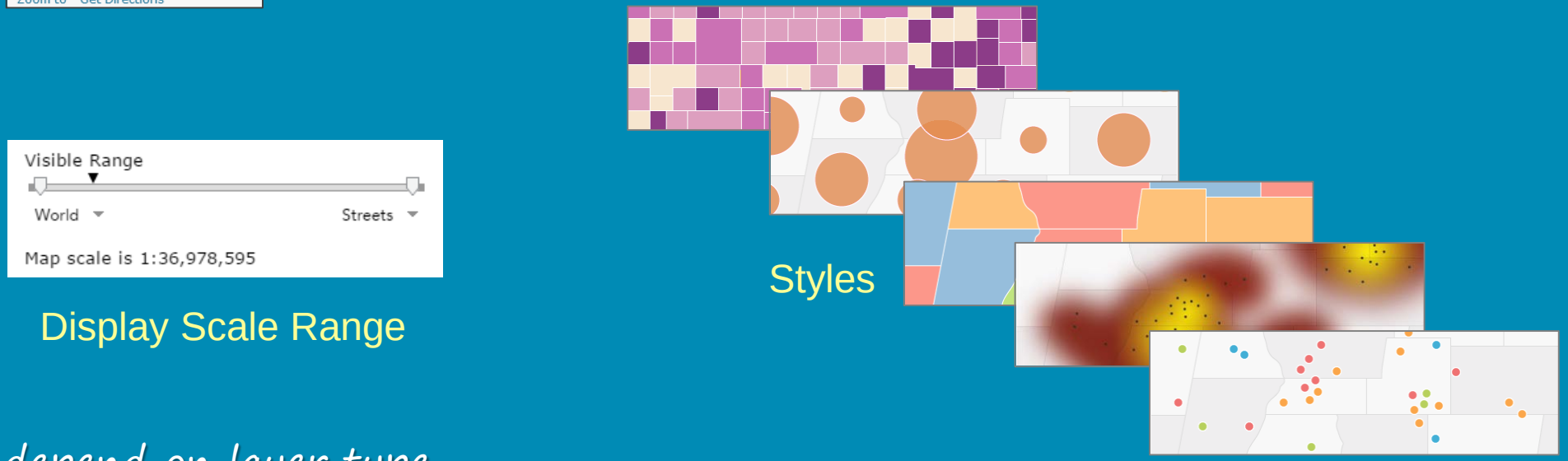
Crafting the map experience



Pop-ups



Transparency



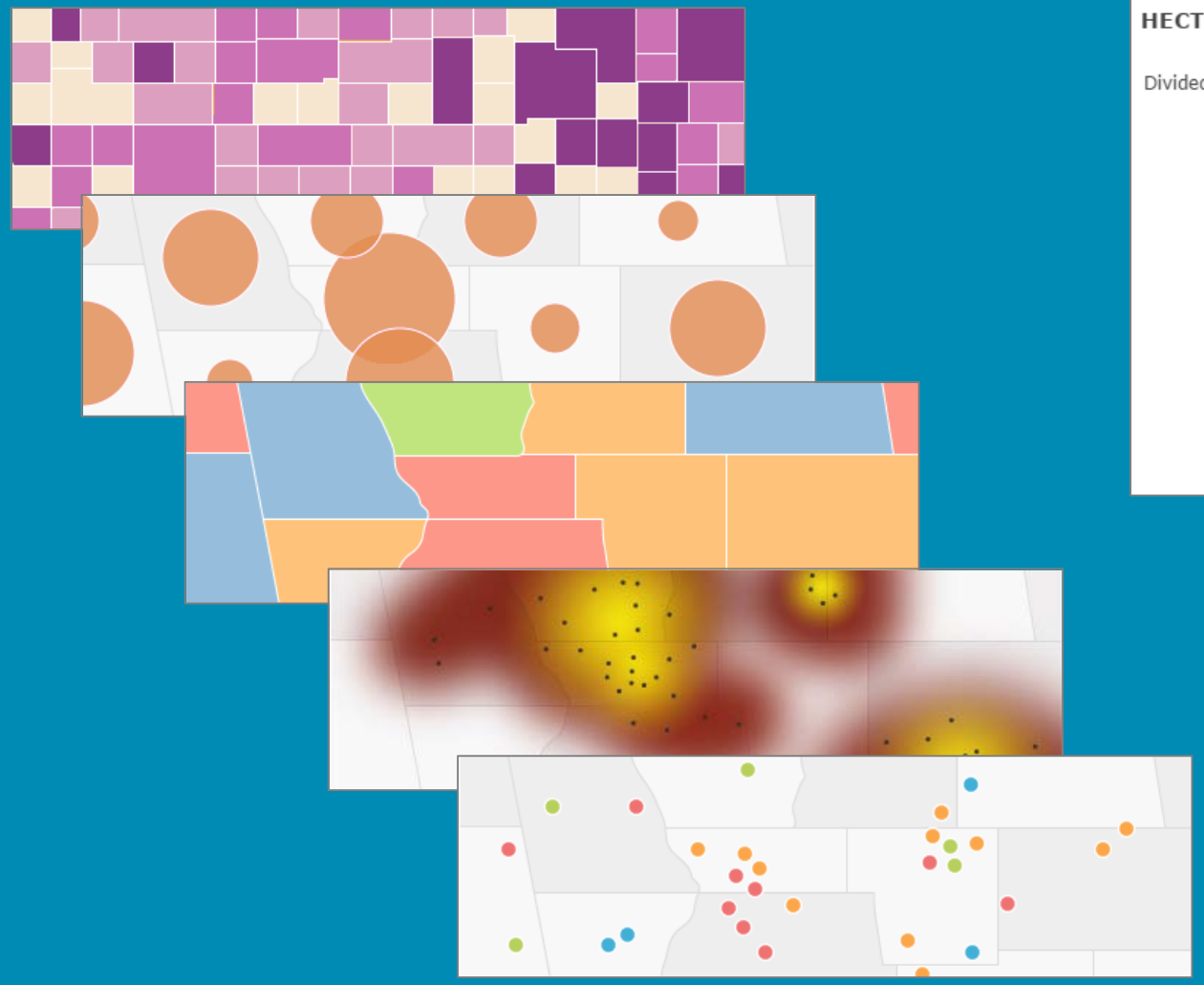
Styles

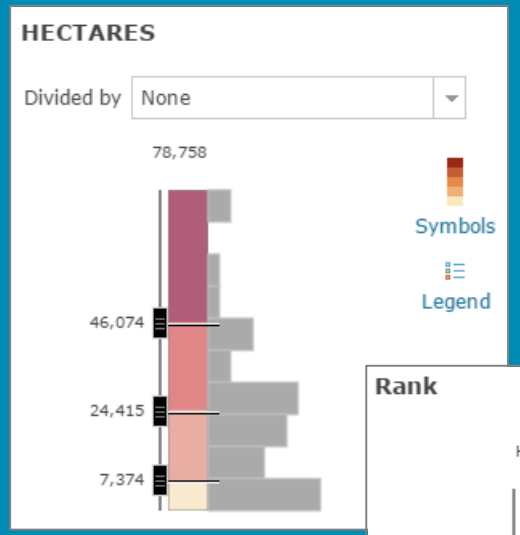
Display Scale Range

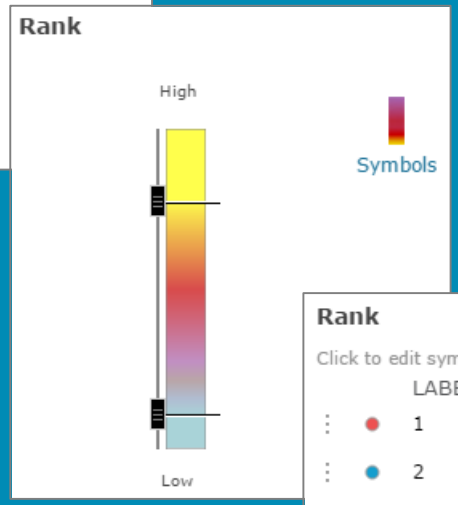
Options depend on layer type

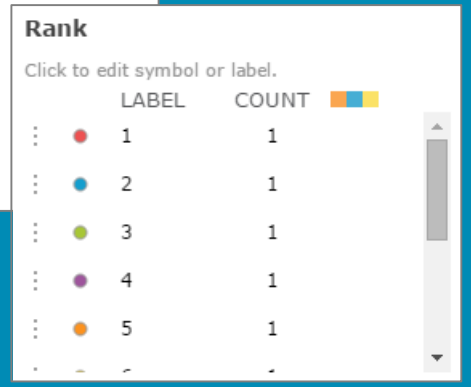
Styling layers

Smart, data-driven layer styling



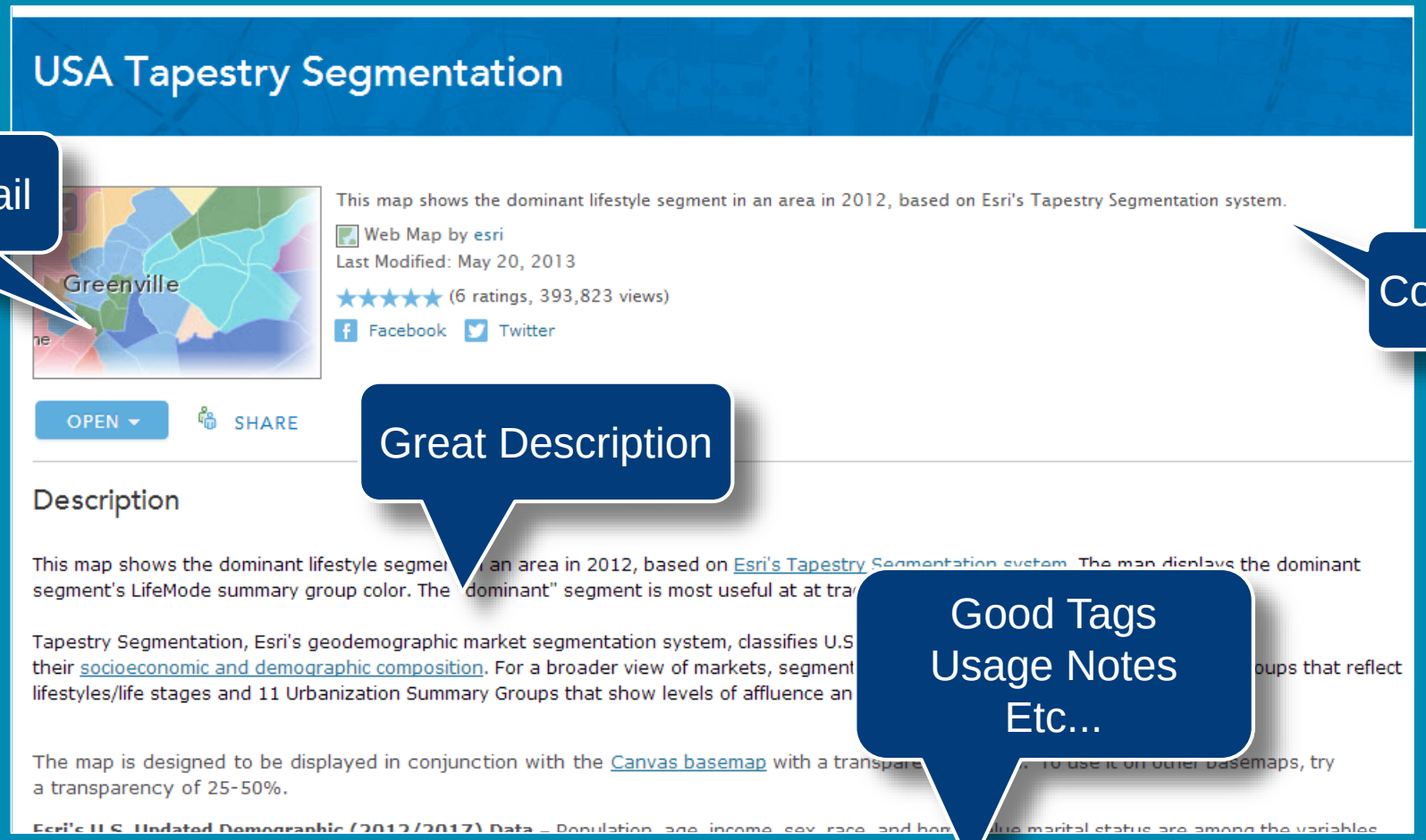




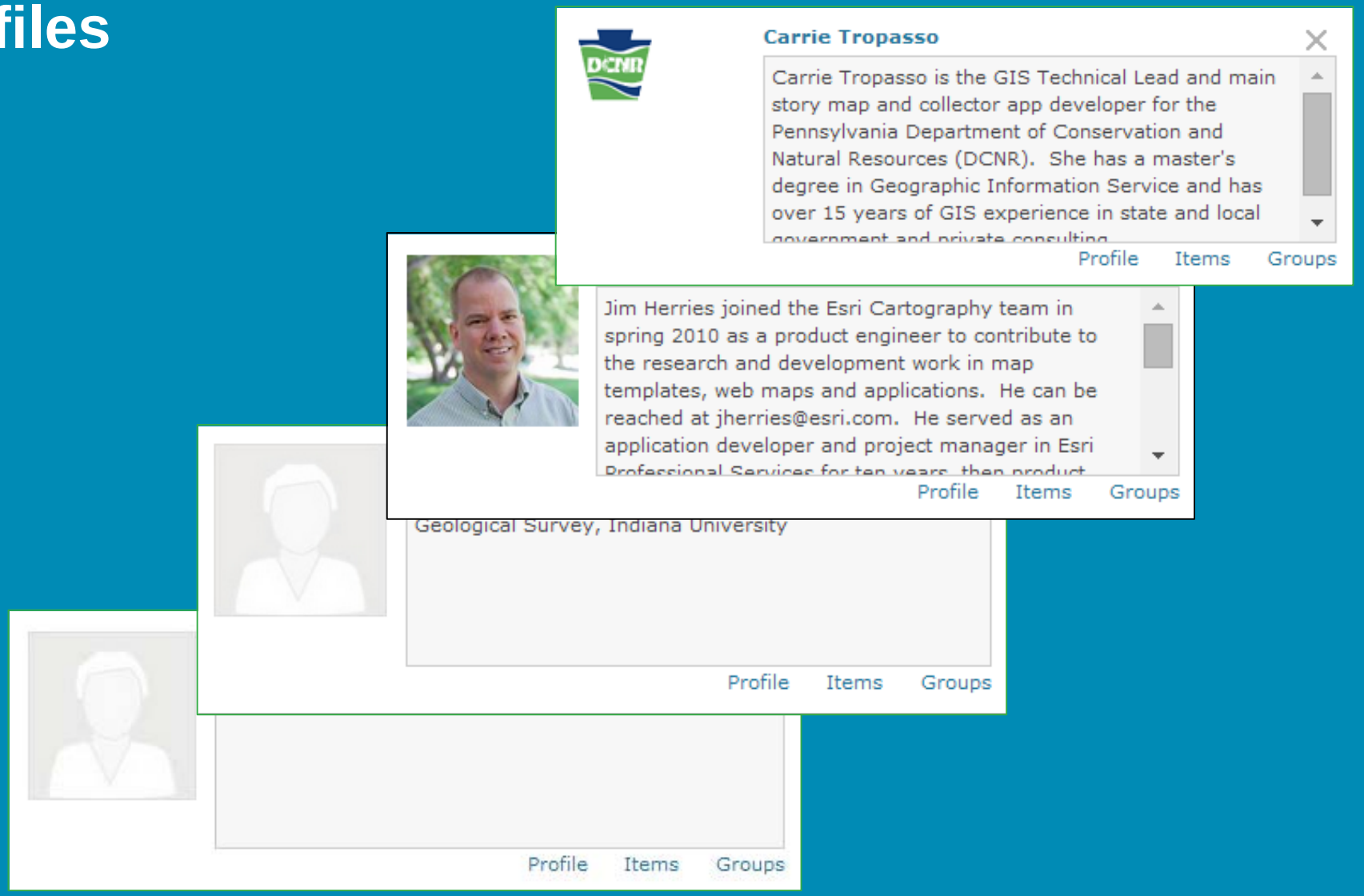


Item Best Practices

For your web map and your app

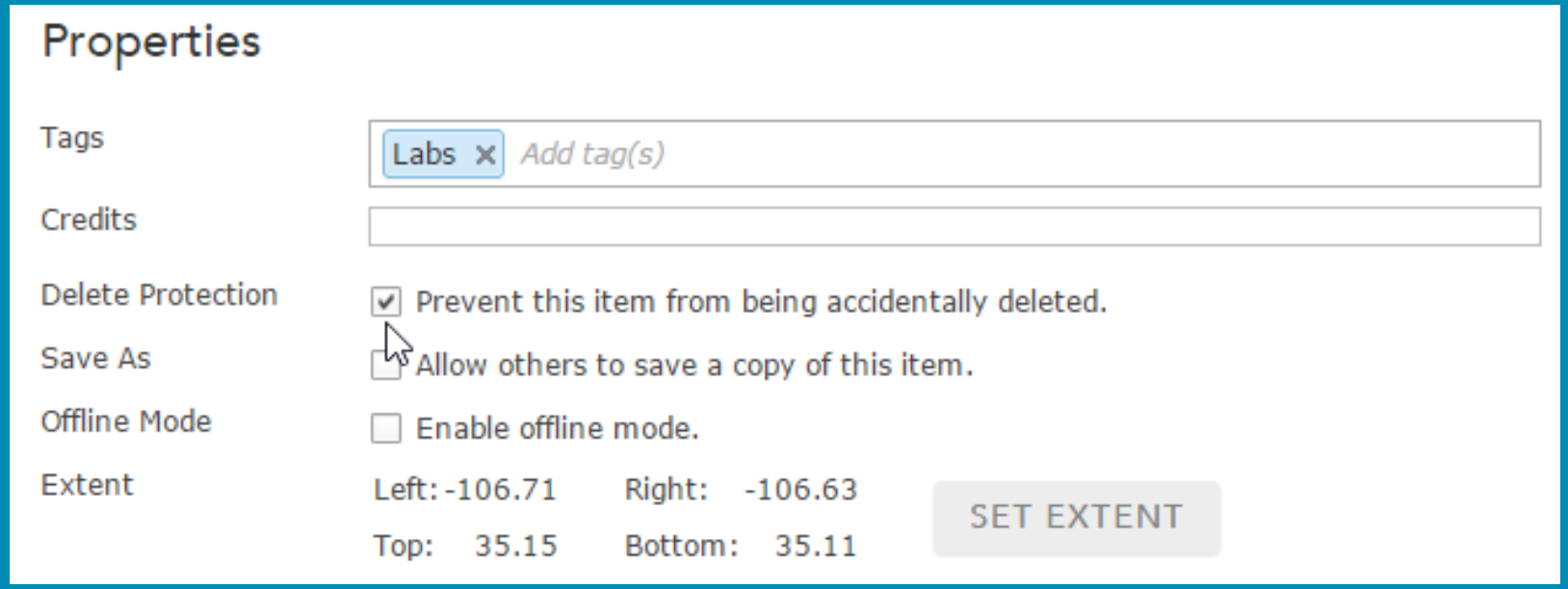


User Profiles



Delete Protection

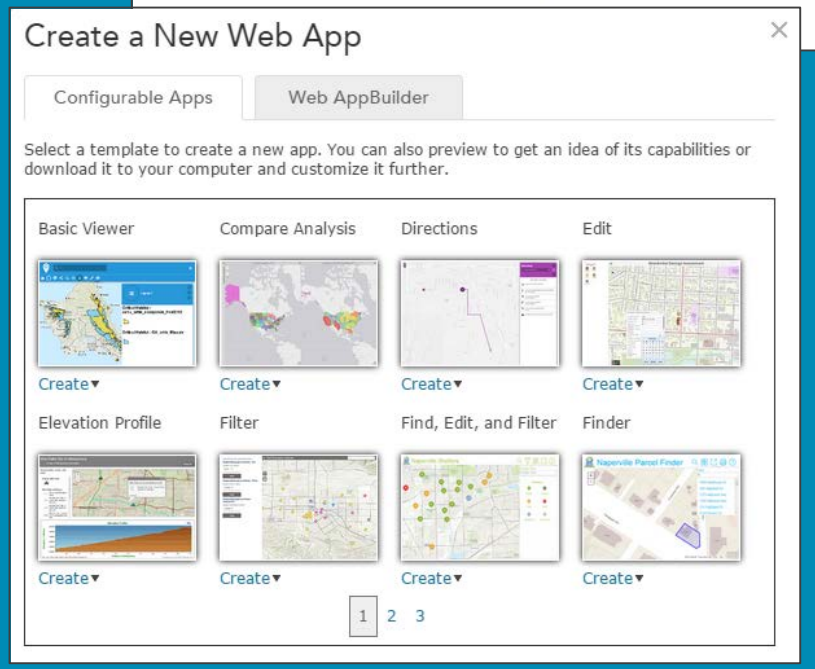
- Delete protection for any item
- Prevents accidental deletion when housecleaning
- Helps prevent broken apps



Where to find app templates

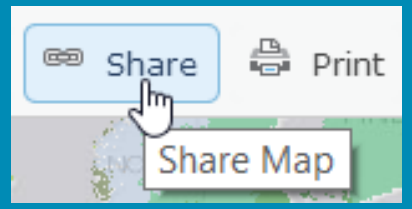
- ★ Create a New Web App gallery
- ★ Story Maps
  - storymaps.arcgis.com
- Solution templates
  - solutions.arcgis.com
- ArcGIS Online items
- Web AppBuilder

- ArcGIS Applications
  - Collector, Dashboard, Explorer
  - Navigator

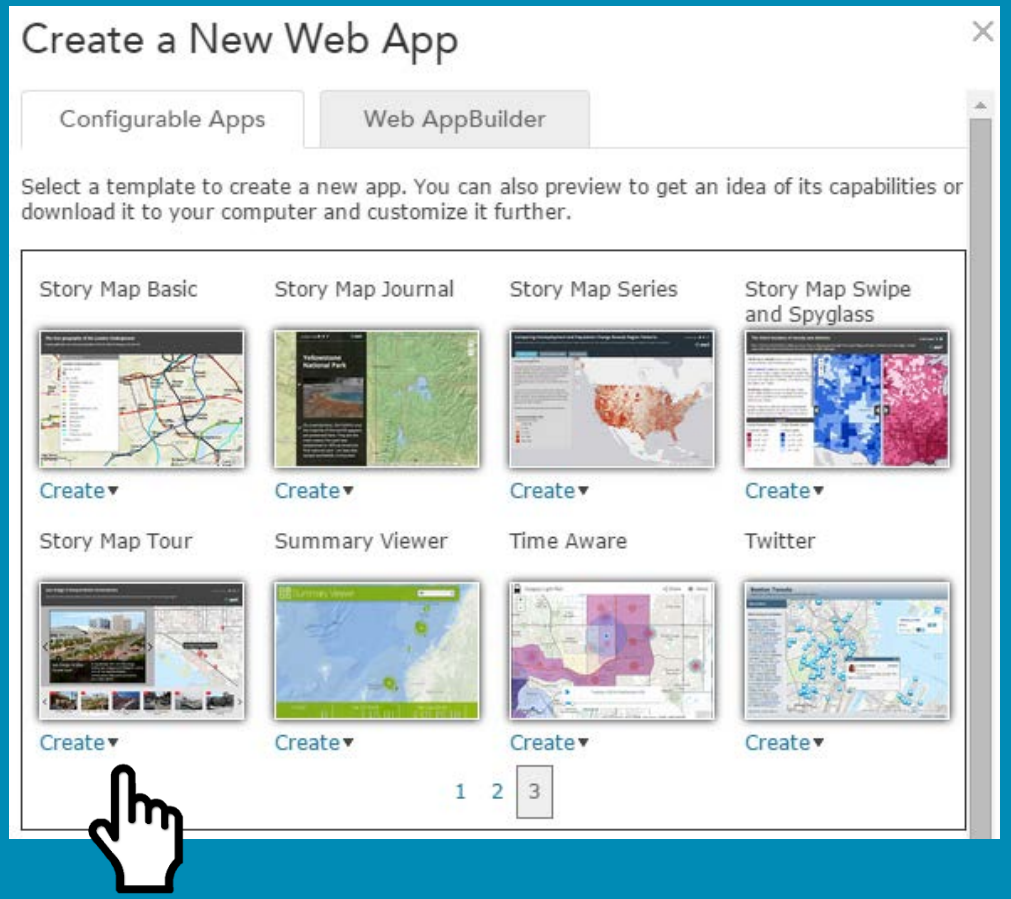


Supported Workflows

1. **Start with a web map**
2. **Start at the Story Maps website**
3. **Download source and self-host**



CREATE A WEB APP



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Story Map Tour℠

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

Supported Workflows

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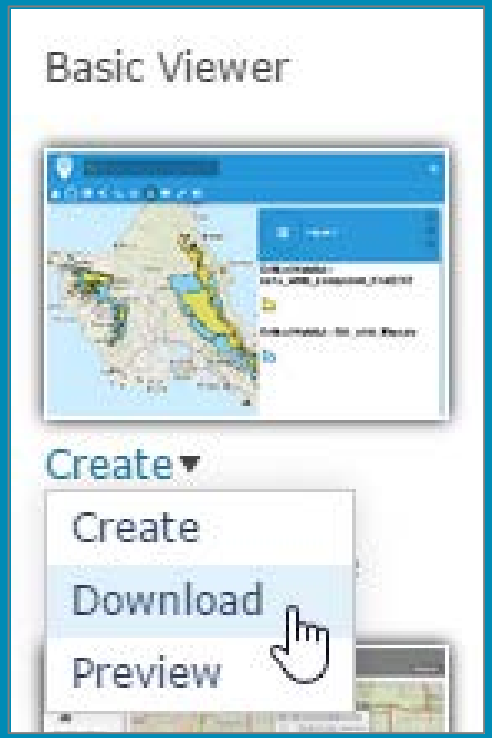

Start with a map and…
Create a Web App

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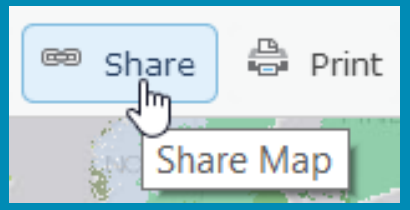
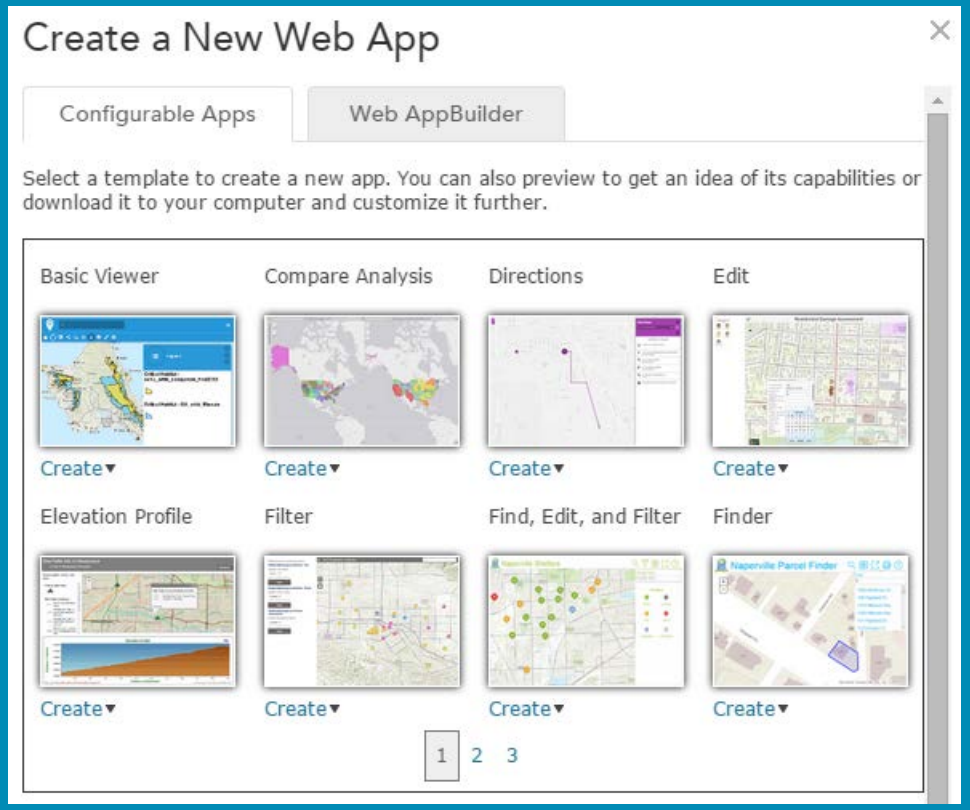
Make a Web Application Gallery

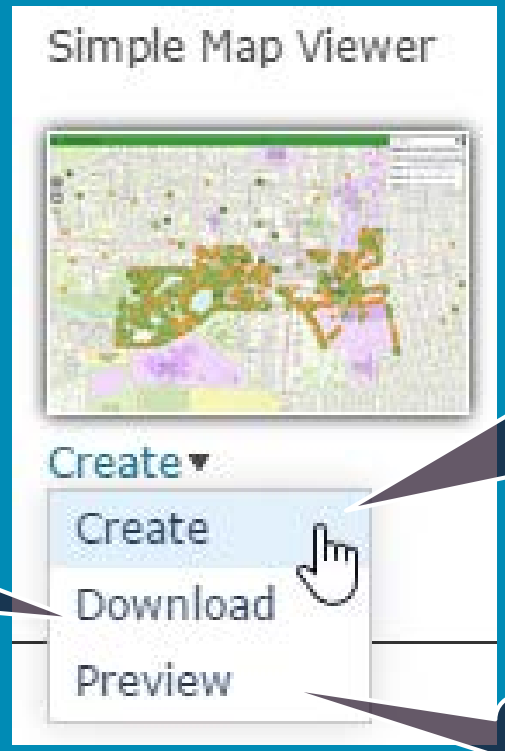
Choose from gallery to preview, publish, or download



CREATE A WEB APP



Publish, Download, Preview



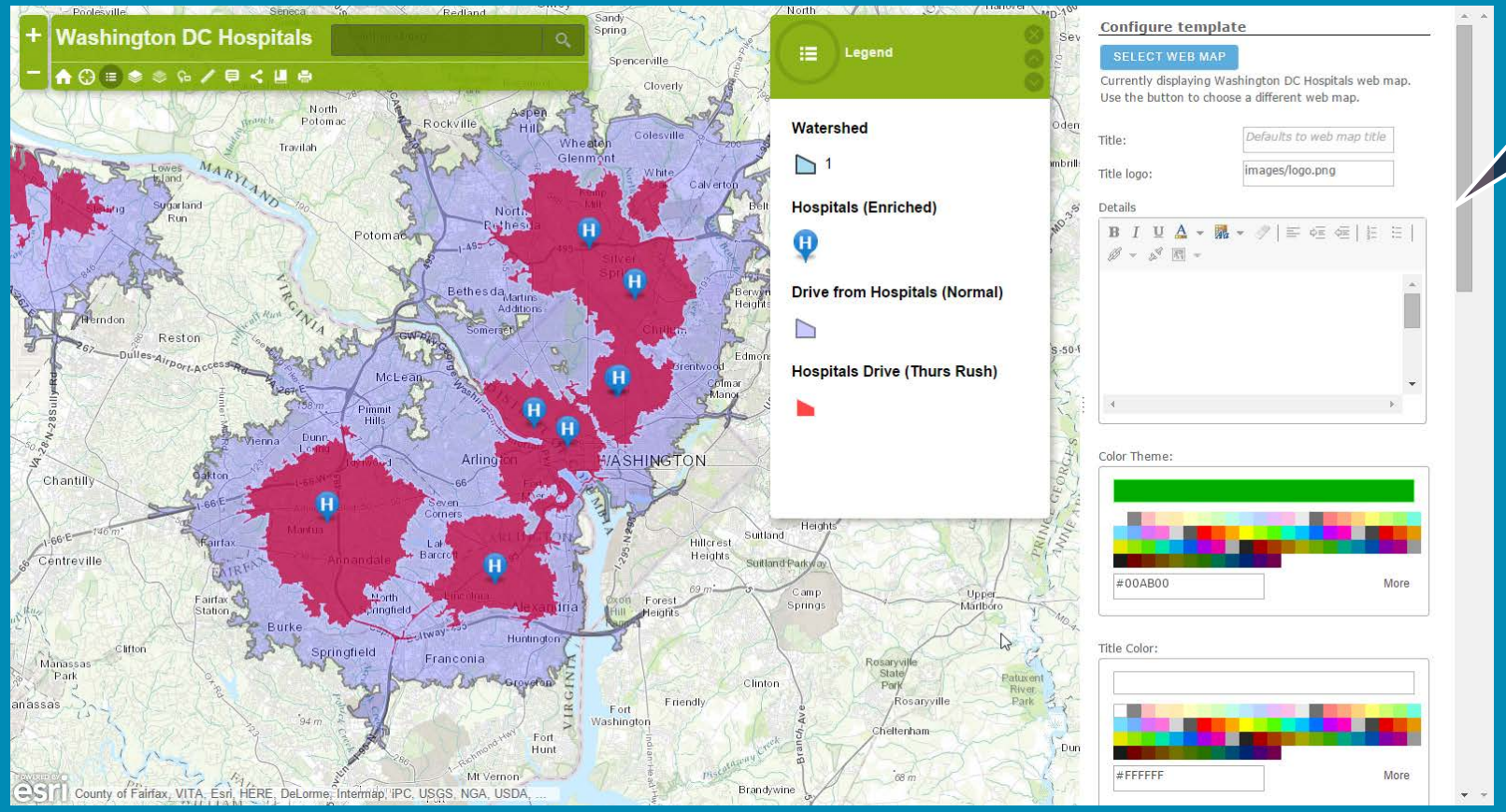
Click create to couple and host your map with the application template

Download source to customize and host on your own

Preview application

Preview is great for a "quick share"

Configure and publish from your account



Configuration options will vary from app to app

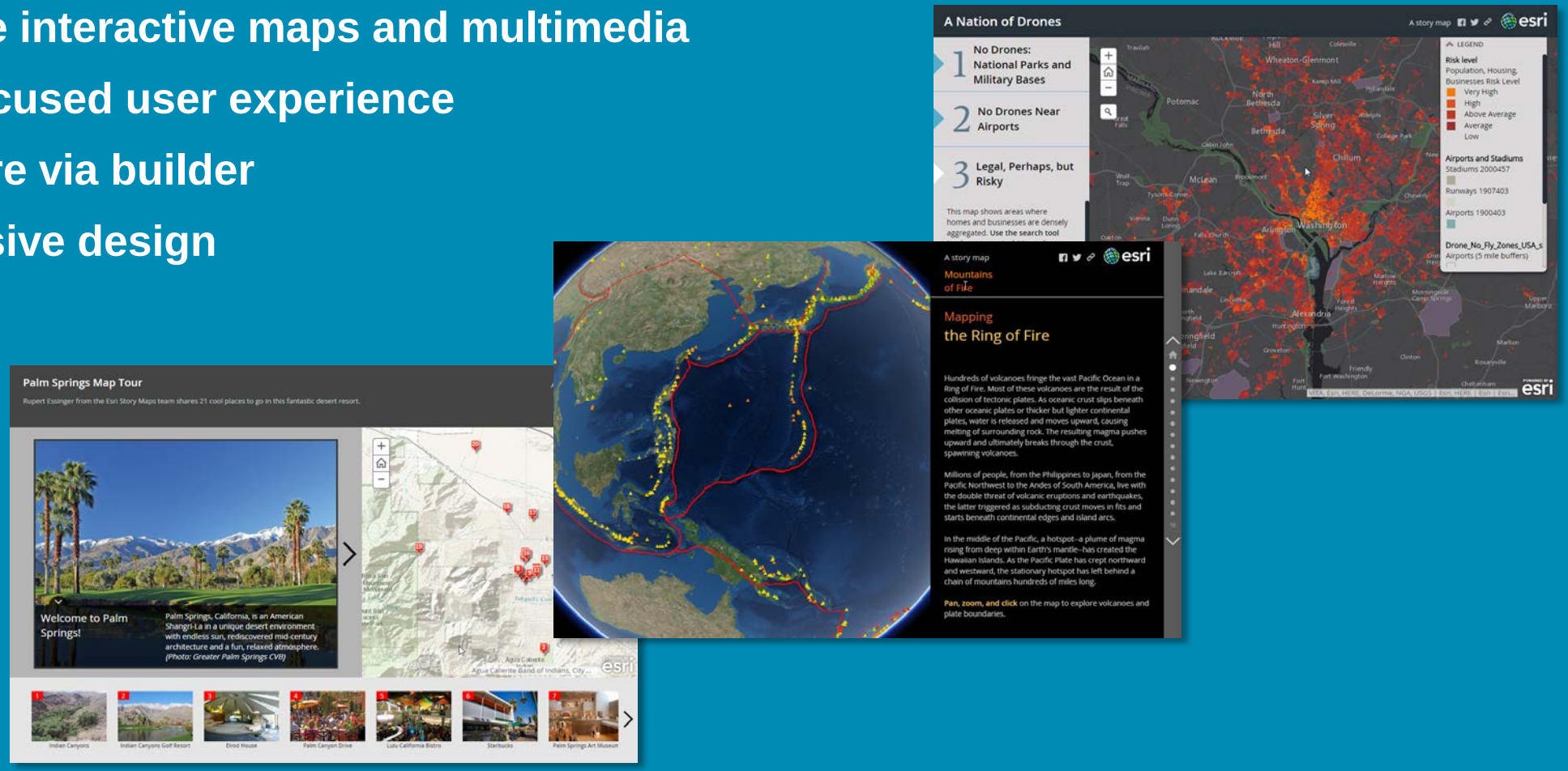
DEMONSTRATION

Story Maps

Story Maps

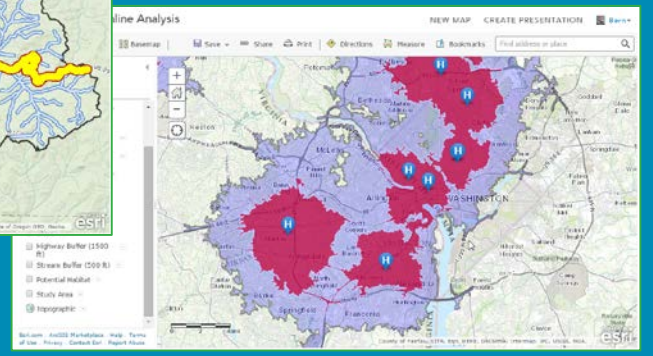
Make it easy to harness the power of maps to tell stories

- **Combine interactive maps and multimedia**
- **Story-focused user experience**
- **Configure via builder**
- **Responsive design**



What do you need?

An idea and thinking…



Web Map(s)

Media & Storage

Story Map App Template

storymaps.arcgis.com

Everything you need

Story Map application templates

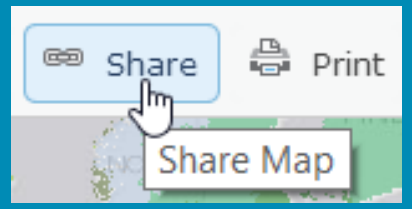
Found at Story Map Apps

- Map Tour
- Map Journal
- Map Series
- Swipe & Spyglass
- Shortlist
- Basic
- Playlist
- Countdown

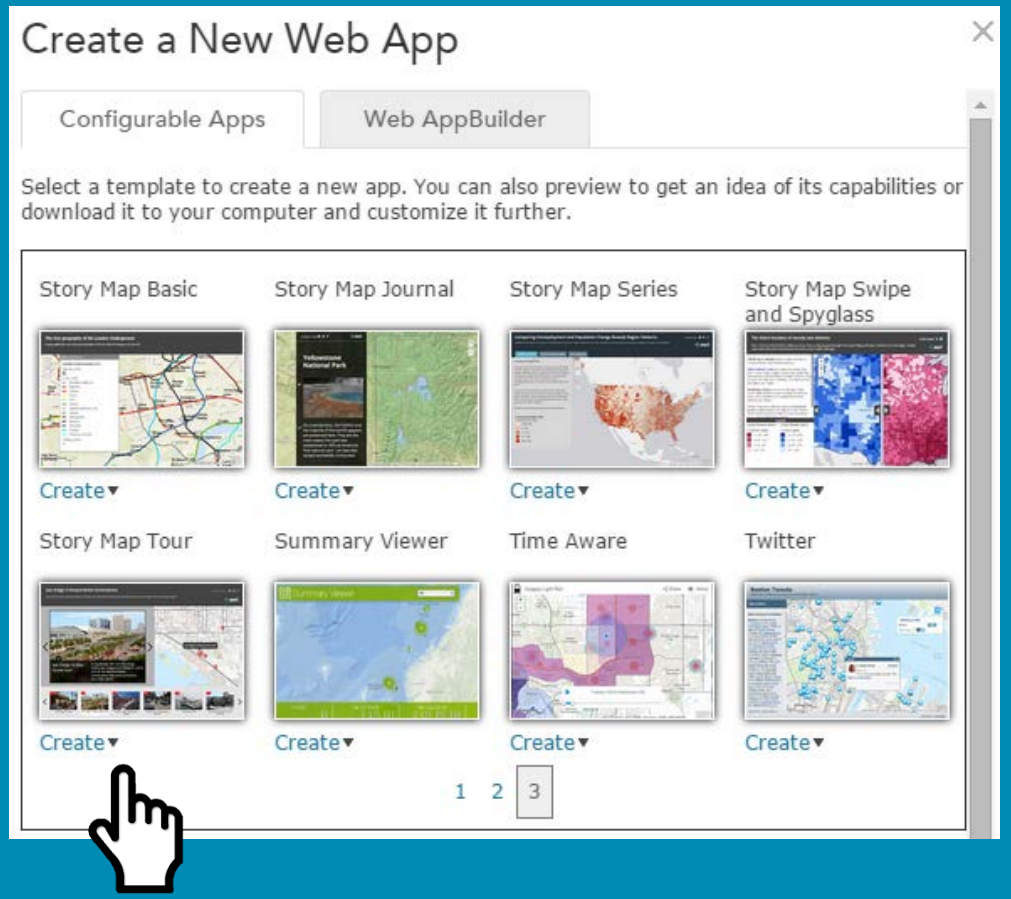
Source Hosted Builder Responsive

Two Workflows

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



CREATE A WEB APP



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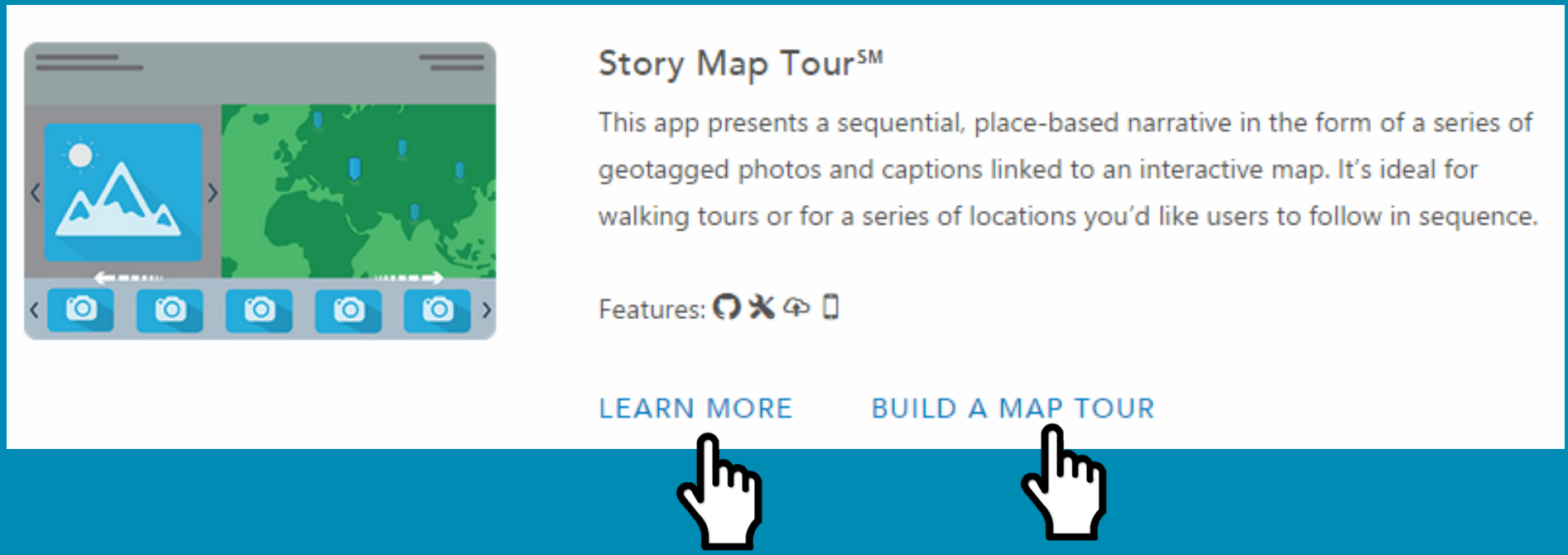
Features:

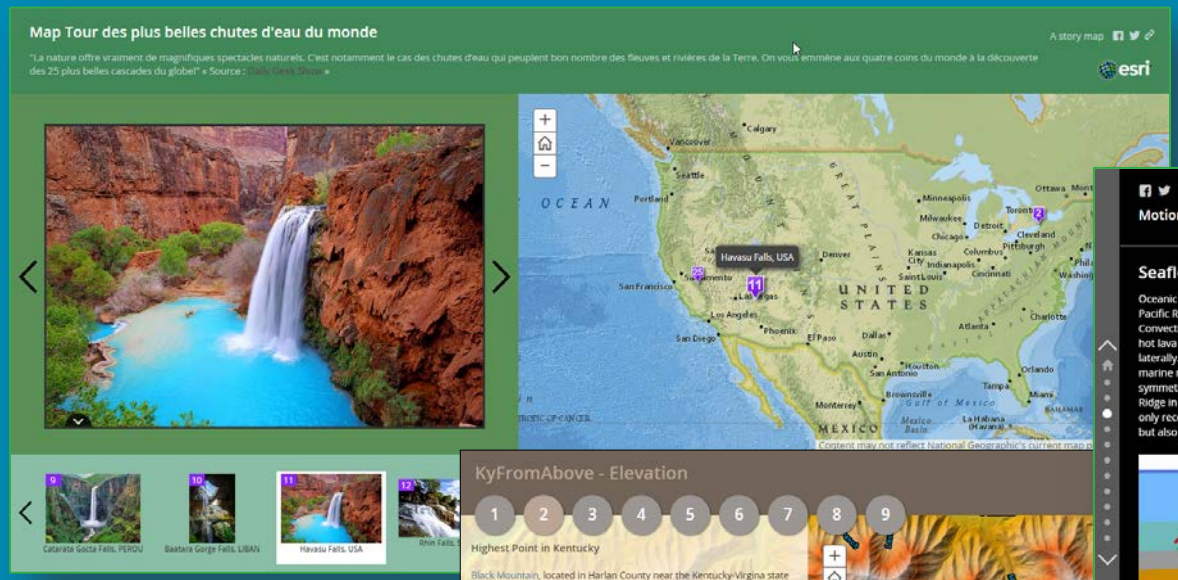
LEARN MORE BUILD A MAP TOUR

Recommended workflow

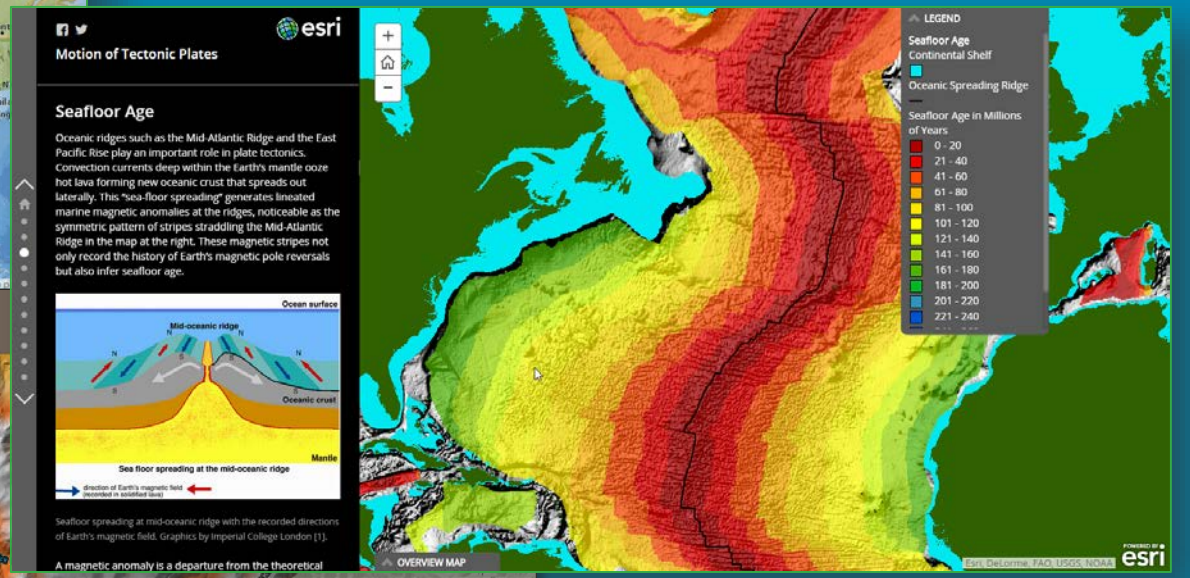
1. **Visit gallery to get ideas and choose a story map template**
2. **Assemble and warehouse needed components***
3. **Go to the Story Maps Apps page**



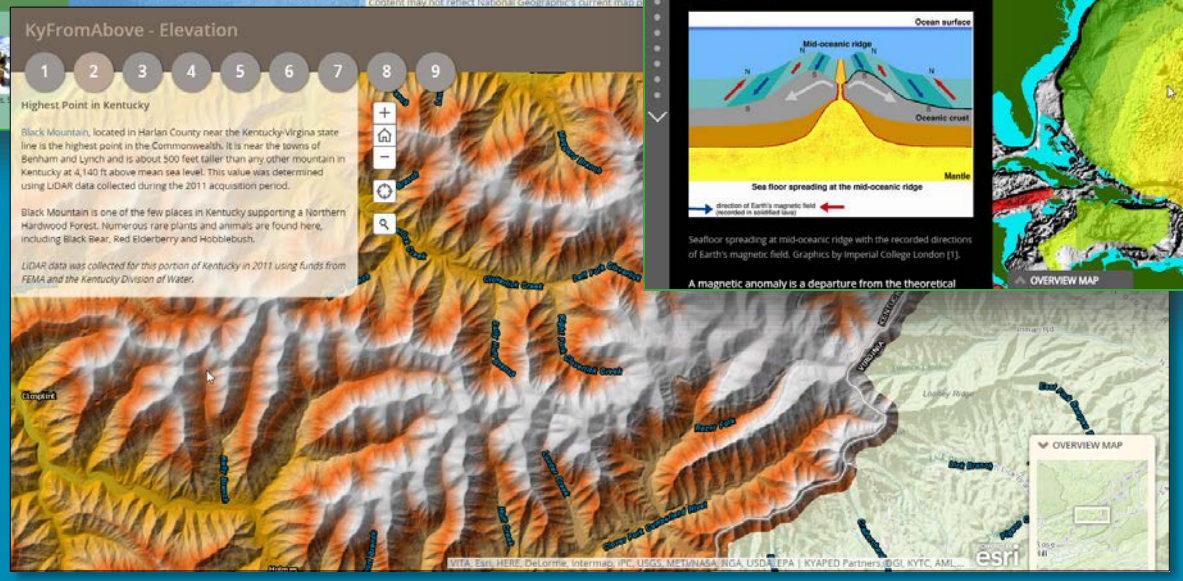
Popular Story Maps



Map Tour



Map Journal

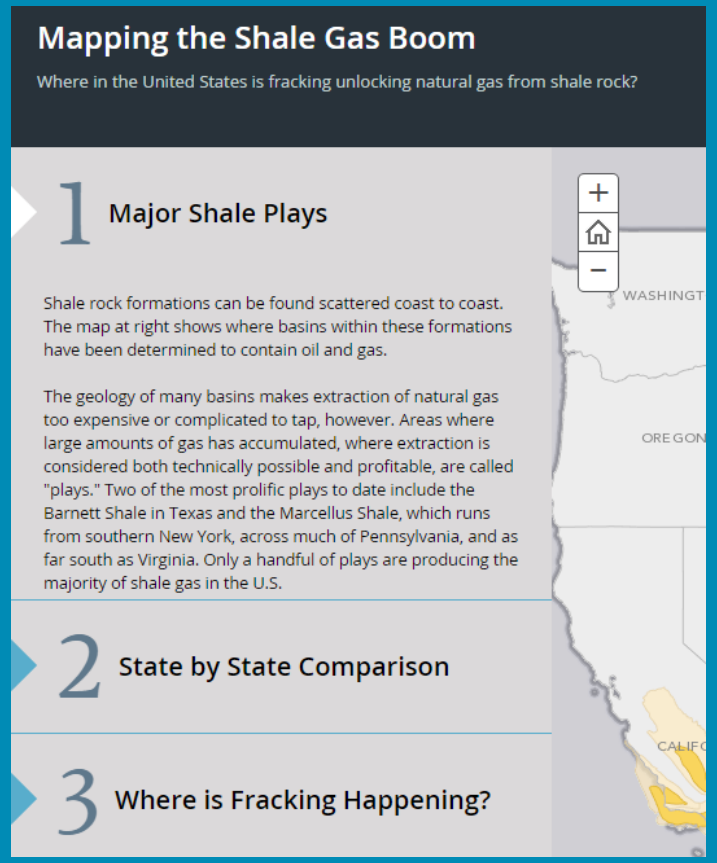


Map Series

Story Map Layout Options – Example Story Map Series

Bulleted

Tabbed



Side Accordion

DEMONSTRATION

Web AppBuilder for ArcGIS

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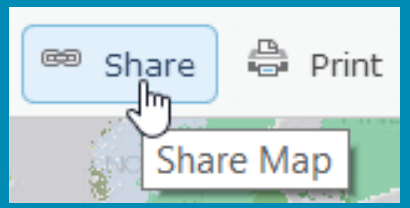
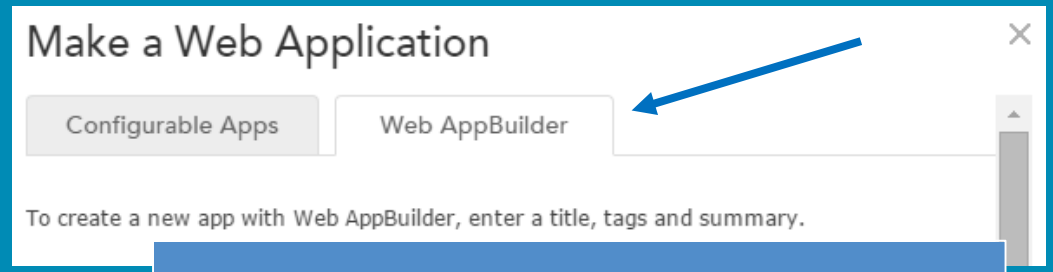
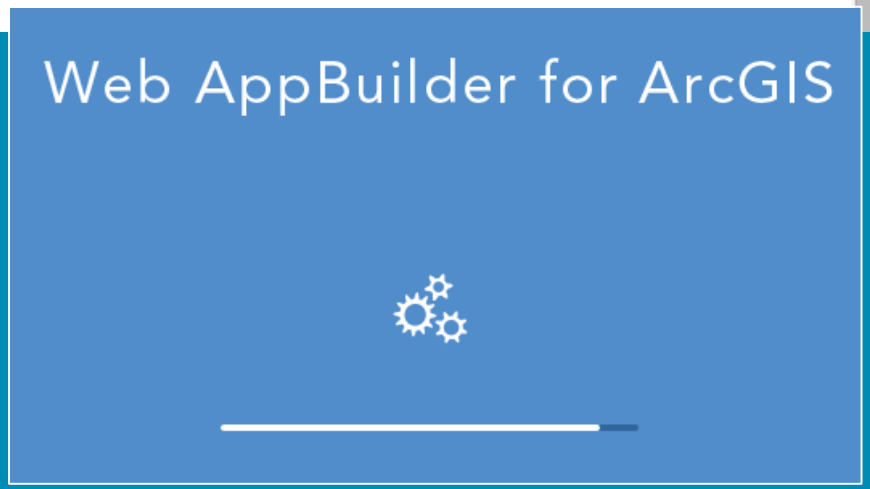
Web AppBuilder

- **Create a custom configured responsive application using widgets**



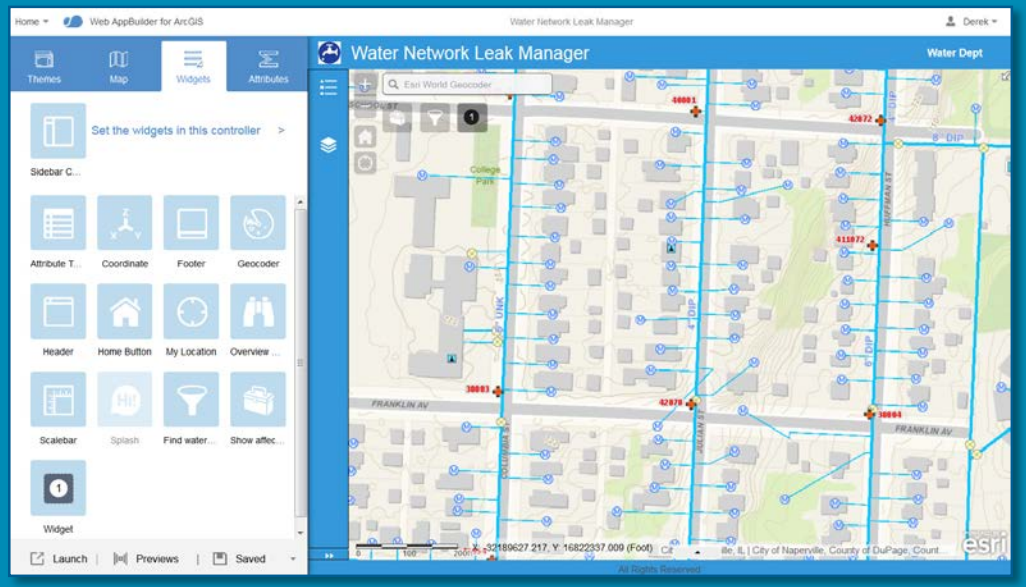
CREATE A WEB APP





Web AppBuilder Features

- Fully integrated into ArcGIS Platform
- No coding required
- Deploy to browsers, mobile devices
- Extensible
- Easiest way to make web app templates



DEMONSTRATION

Custom App Galleries for your Organization

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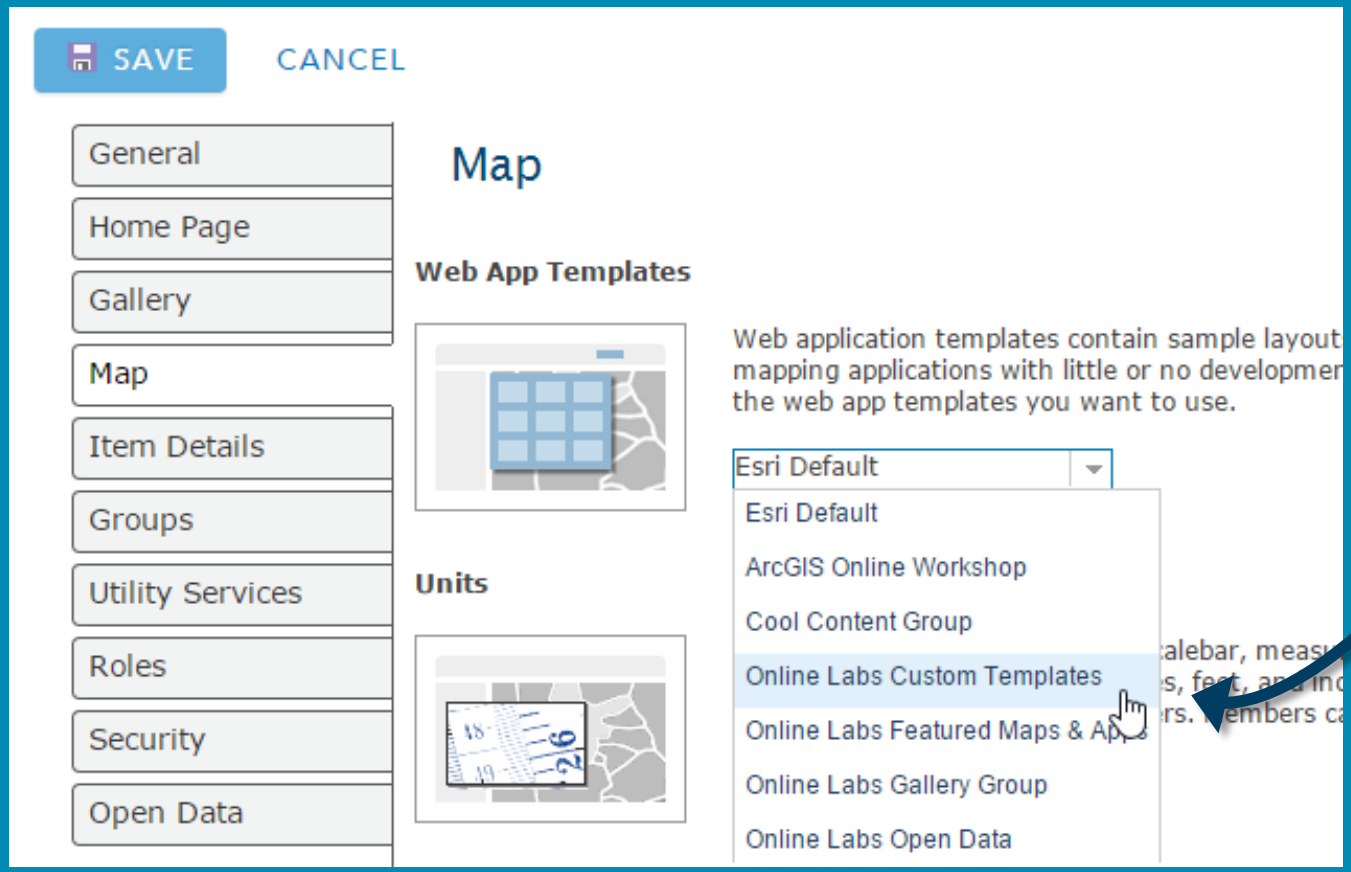
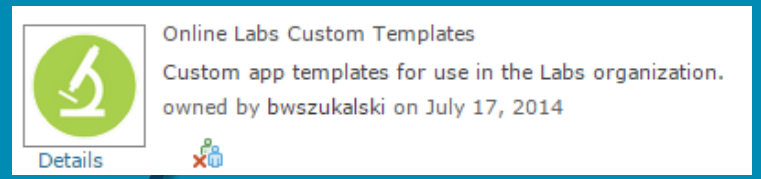
Configuring your organization

Groups are building blocks



Custom Template Group



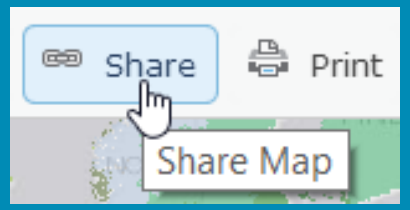
Replace Esri Default in Map tab

DEMONSTRATION

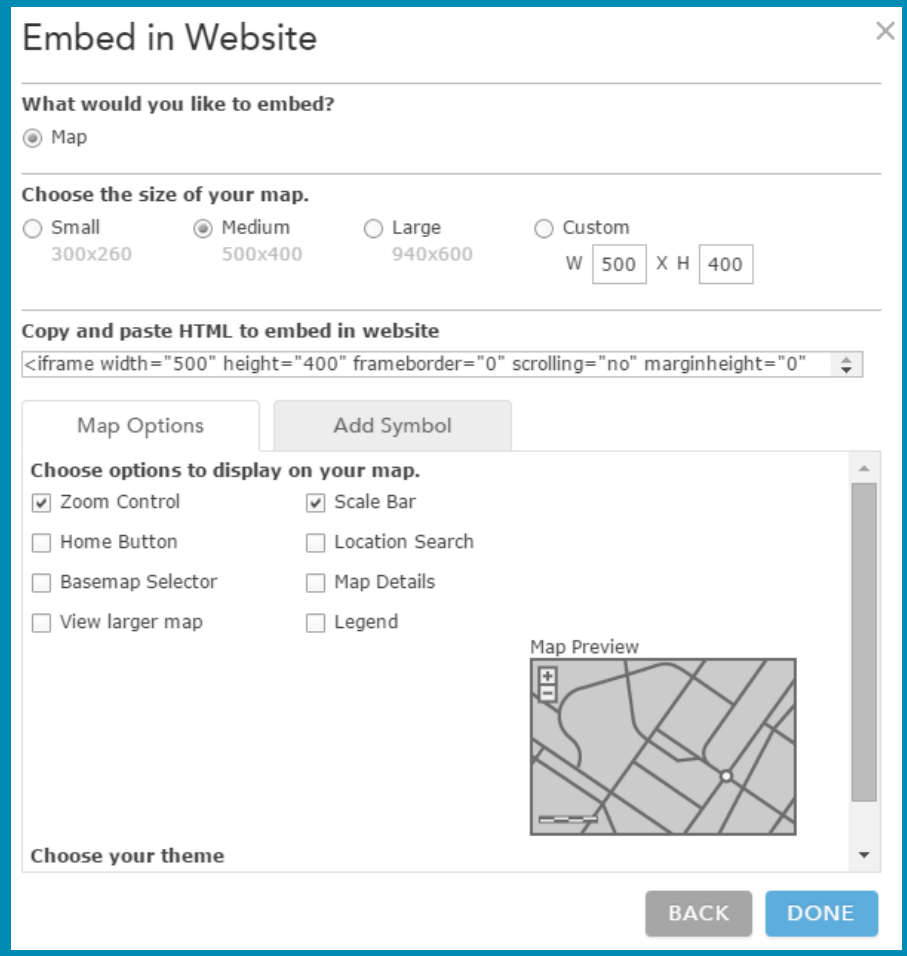
Embedding Maps

Embed a Web Map

Embed maps or presentations using a choice of options

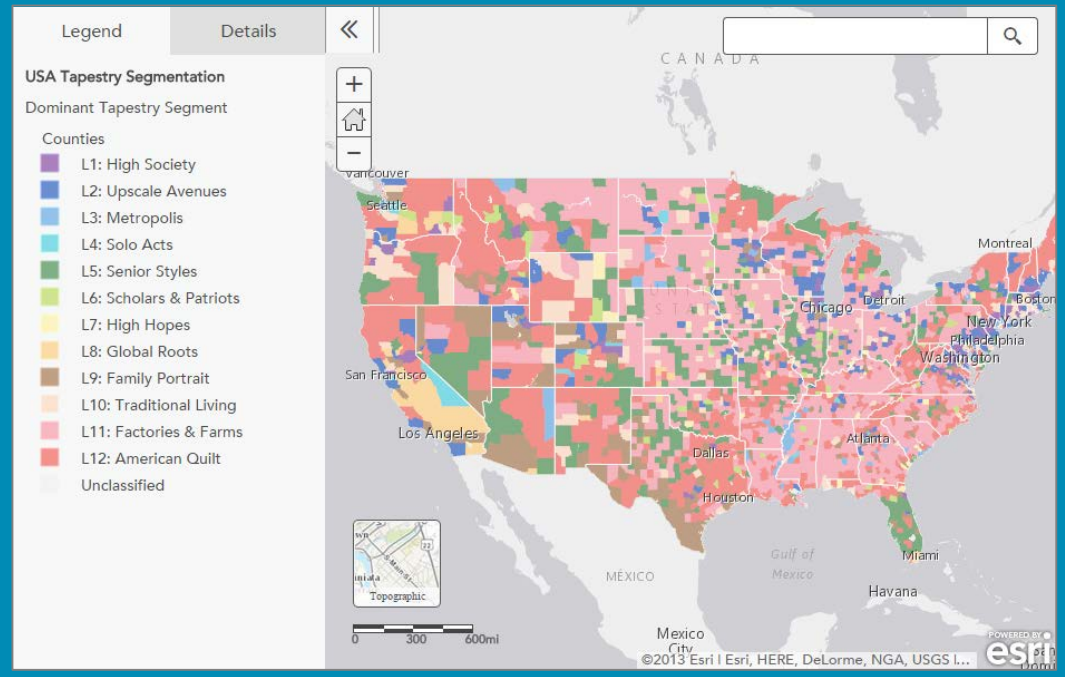


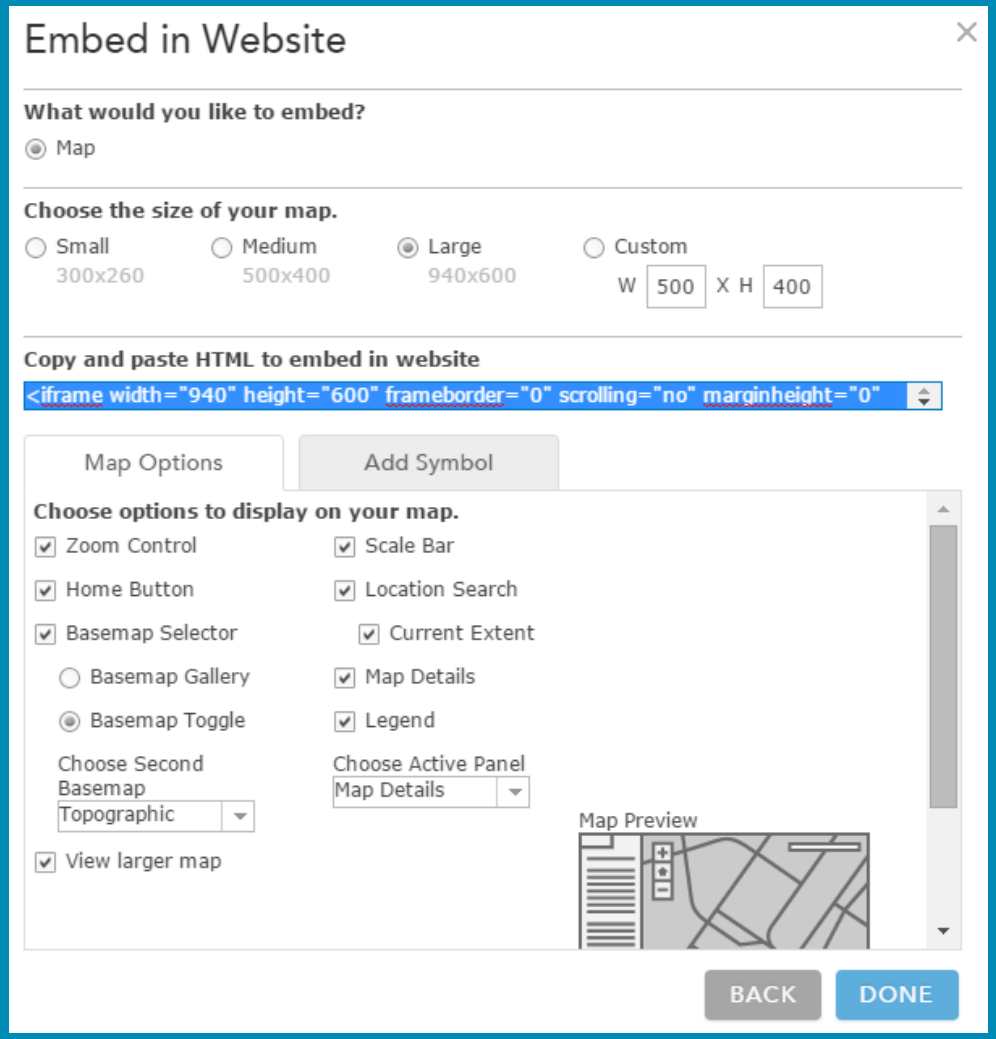
EMBED IN WEBSITE



Embed in Website – Map Options

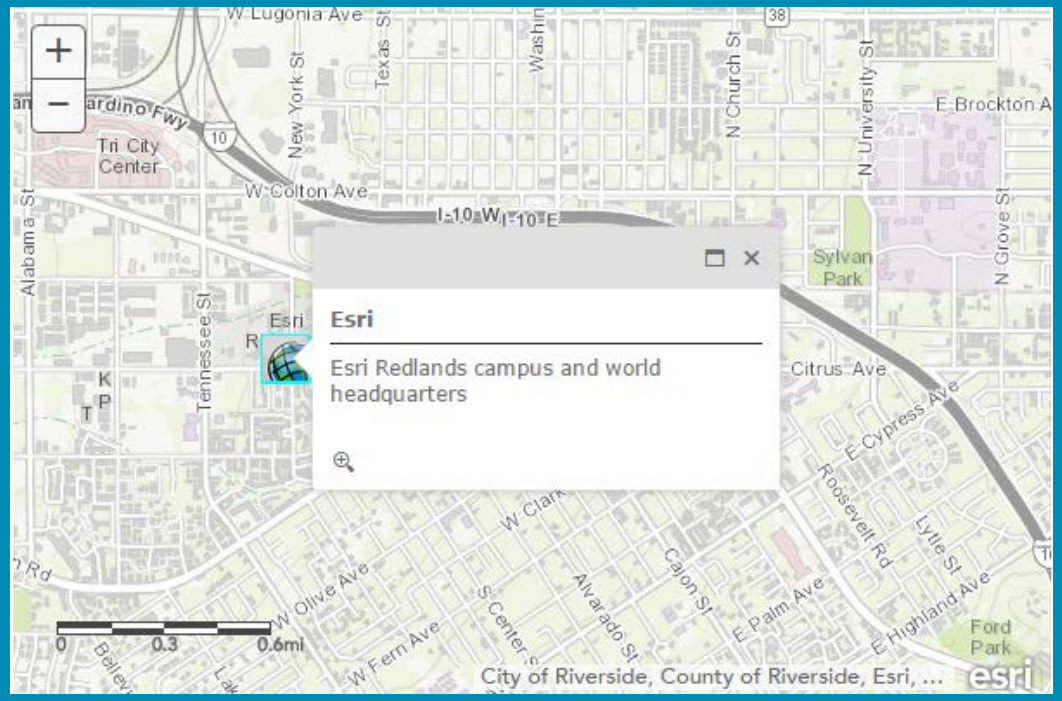
- Content (map or presentation)
- Choose size and options

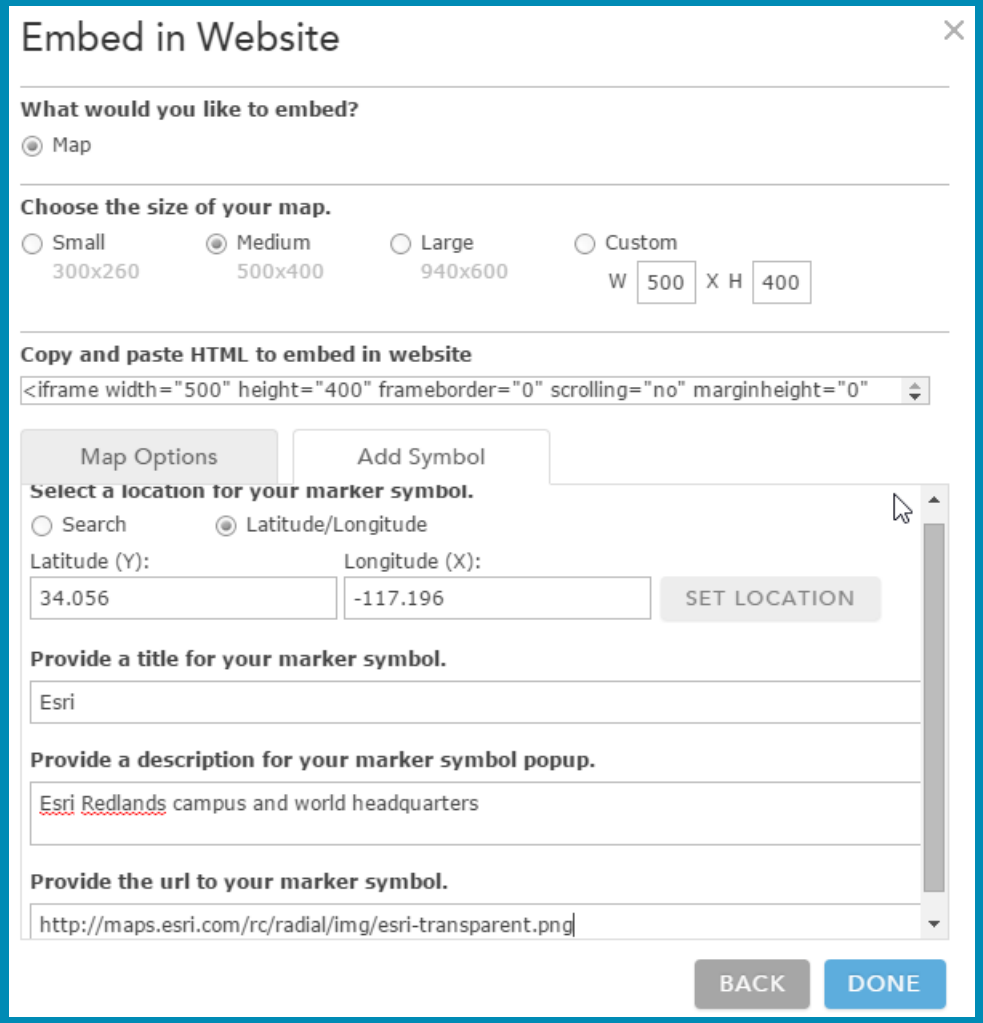




Embed in Website – Add Symbol

- **Add symbol at a specified location**
- **Title, description**

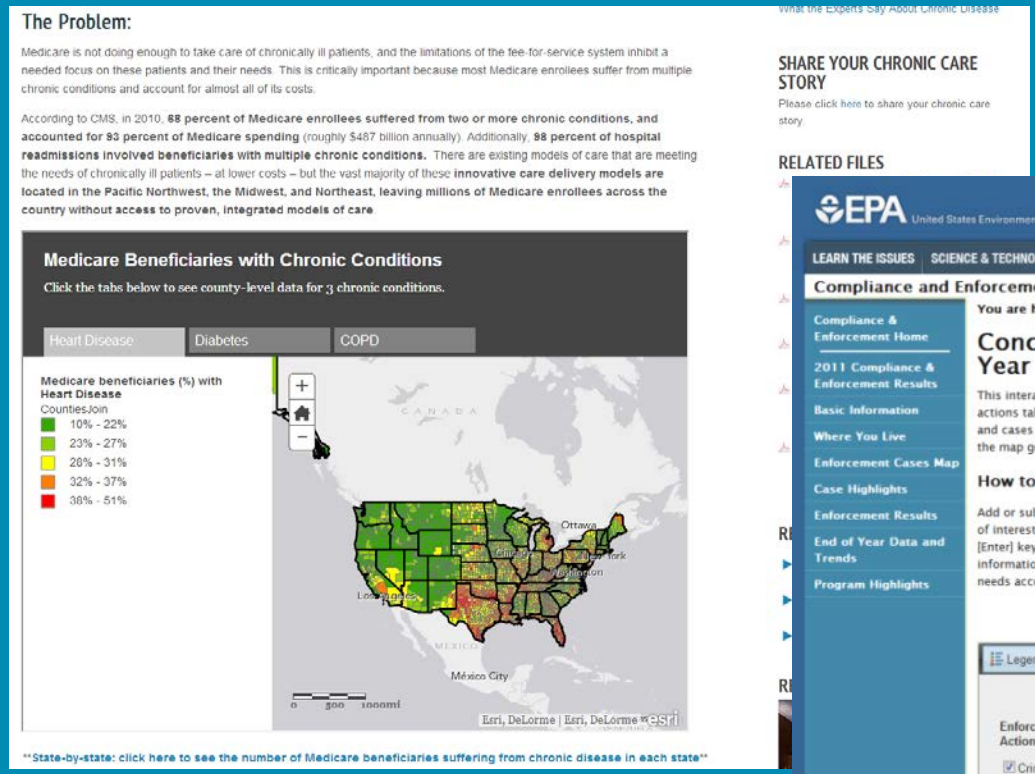


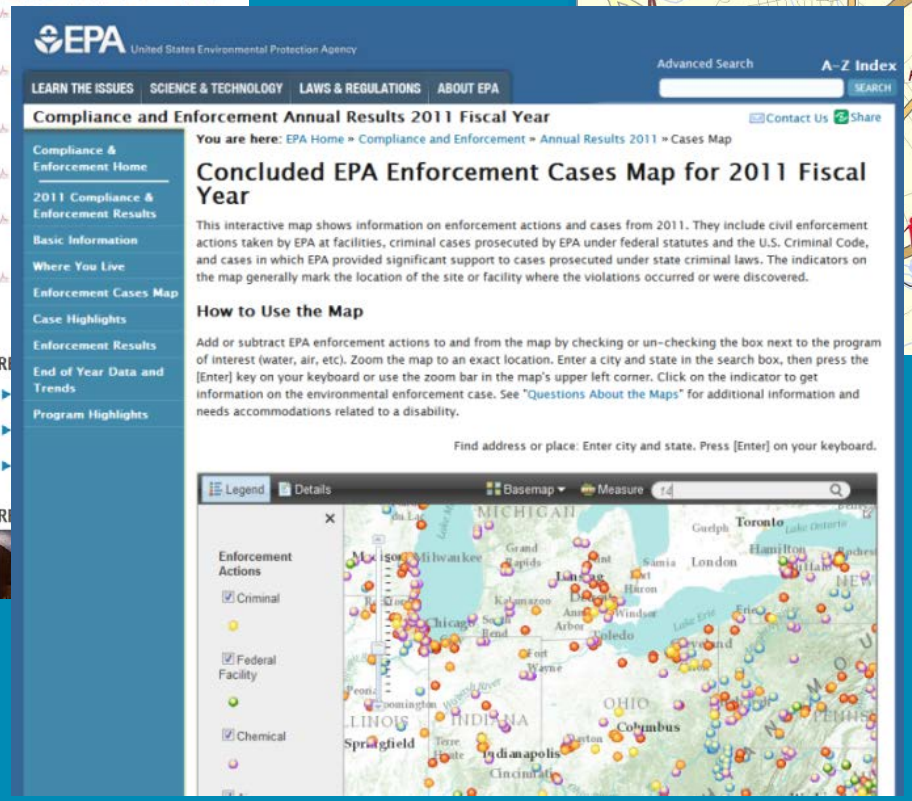


DEMONSTRATION

Embedding Web Apps

Embedded Apps





Embedding Apps

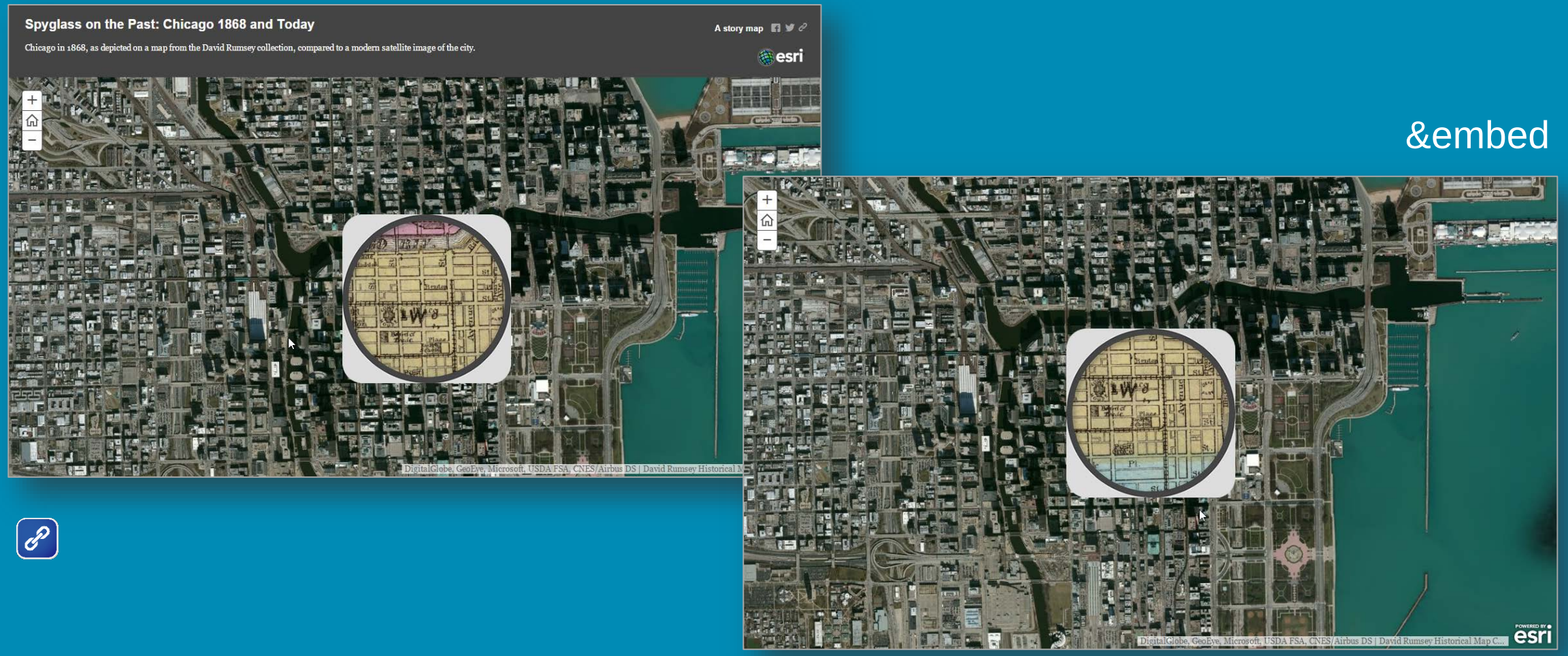
- **Any application can be embedded using <iFrame>**
- **Use 100% to fill out width of fluid page**

```
<p><iframe width=100% height="600" frameborder="1"
scrolling="no" marginheight="0" marginwidth="0"
src="http://storymaps.esri.com/stories/maptour-
palmsprings/"></iframe></p>
```

Dimensions

App URL

Embedding Story Maps



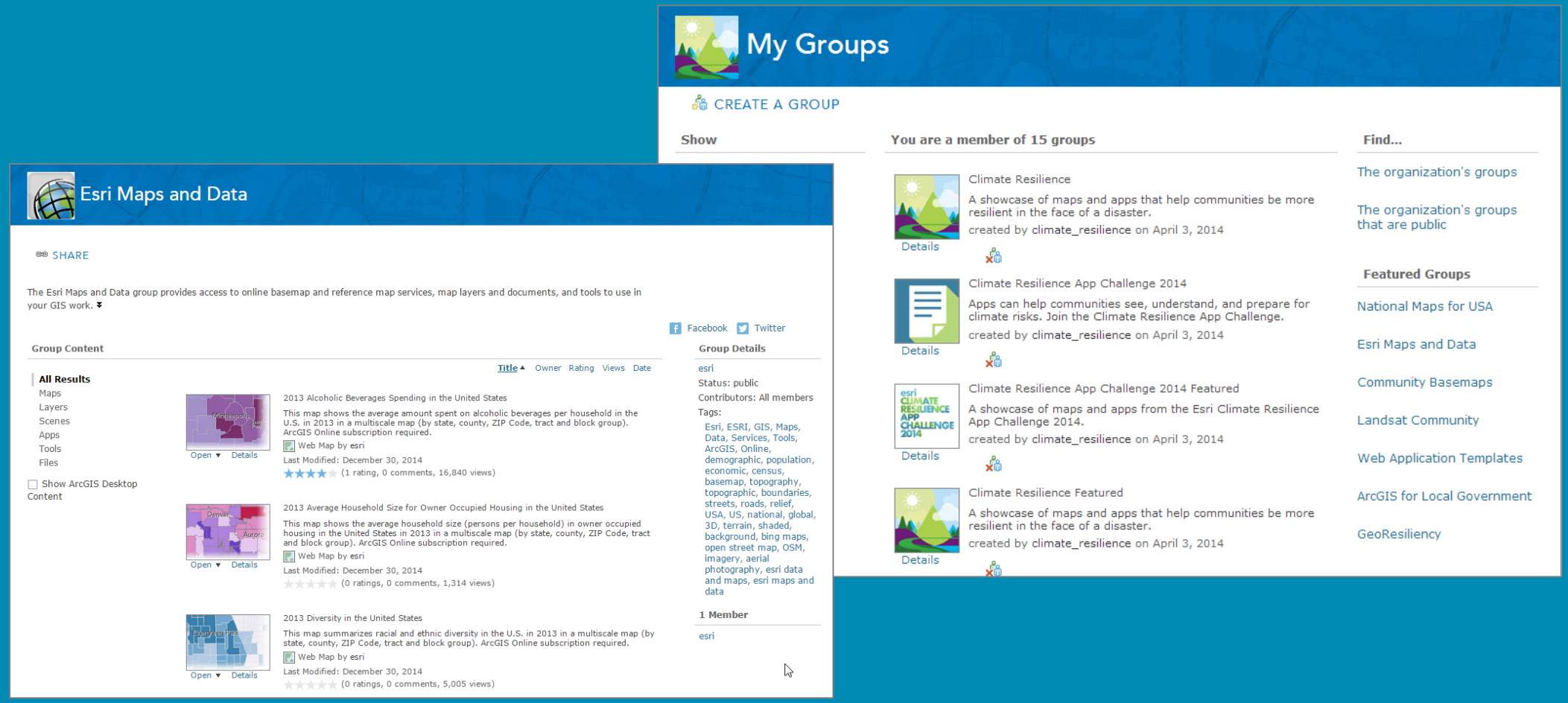
&embed

DEMONSTRATION

Group Apps

Groups

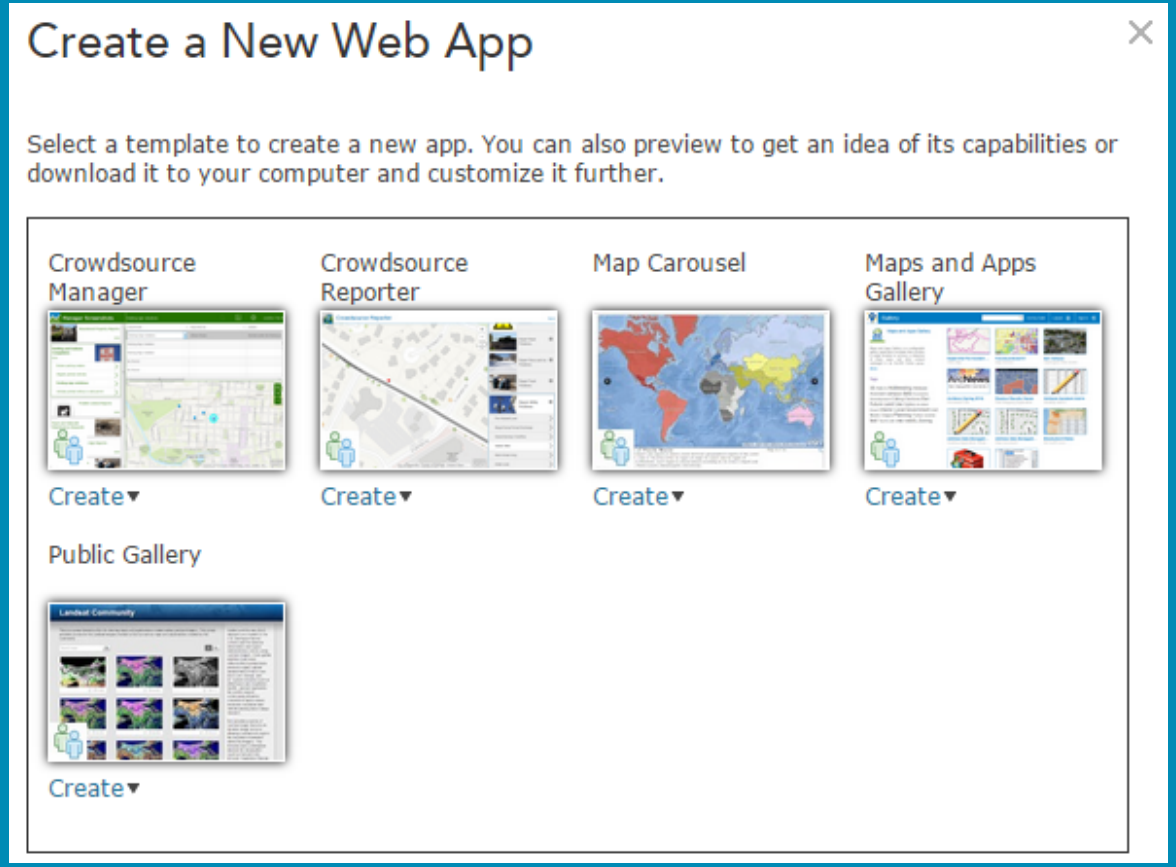
Organize your content and help you collaborate with others



Configurable group gallery applications

SHARE

CREATE A WEB APP

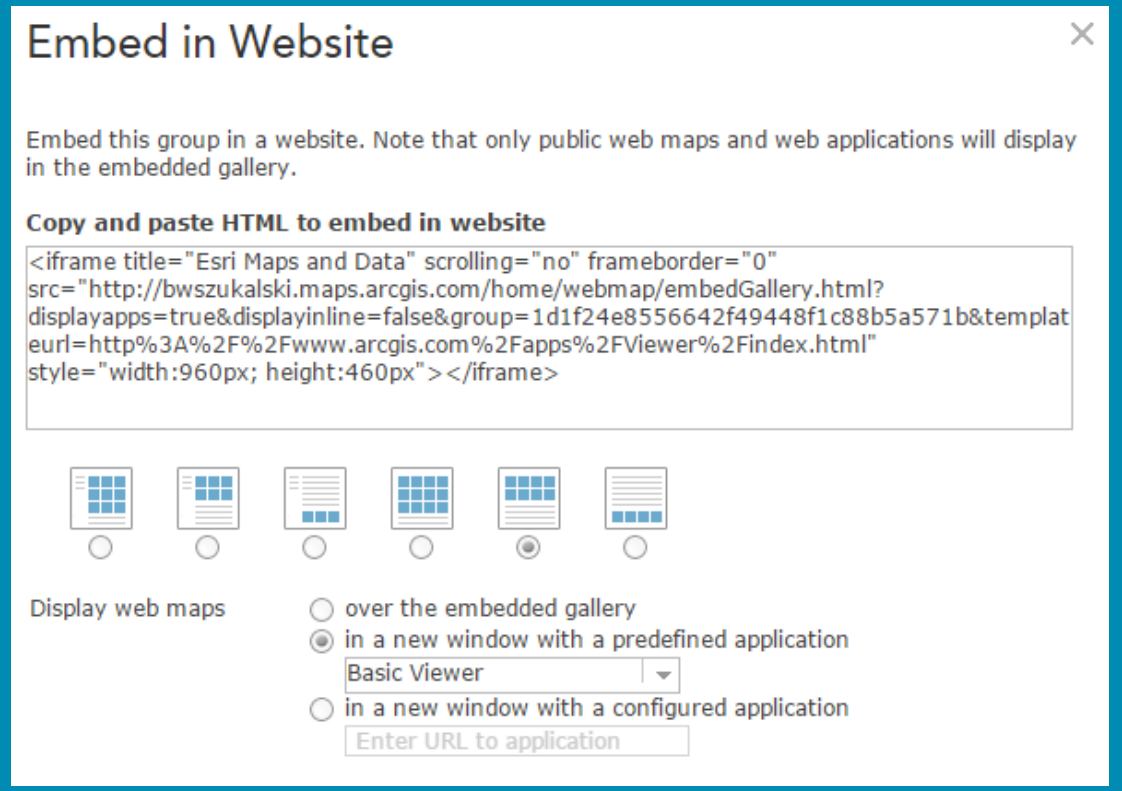


Embedding Groups

Embed group contents using a variety of options

- **Only for public items**
- **Choice of layouts**
- **Choice of viewer**

EMBED IN WEBSITE



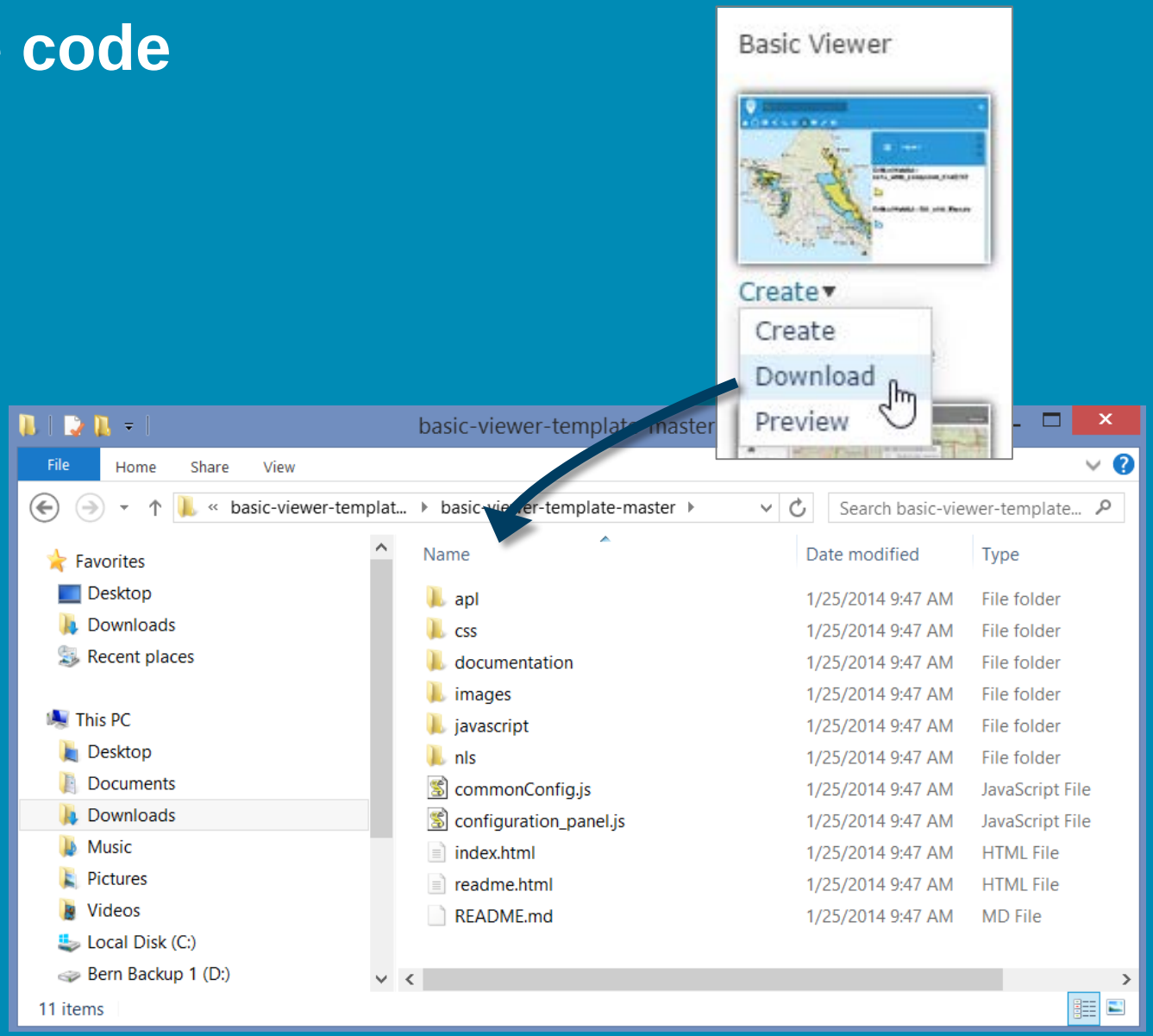
DEMONSTRATION

App Source Code

Web app template source code

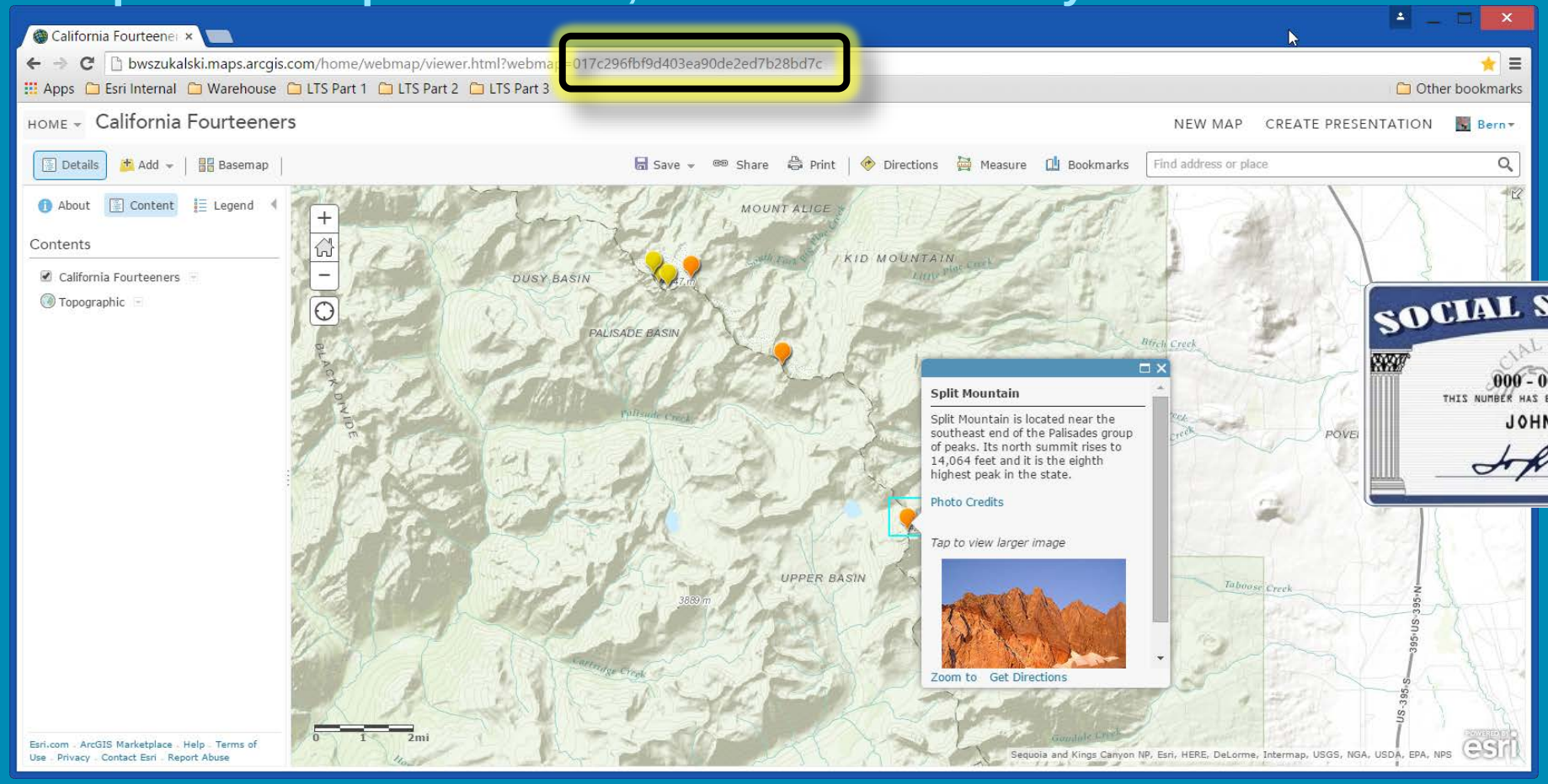
For App templates and Story Maps

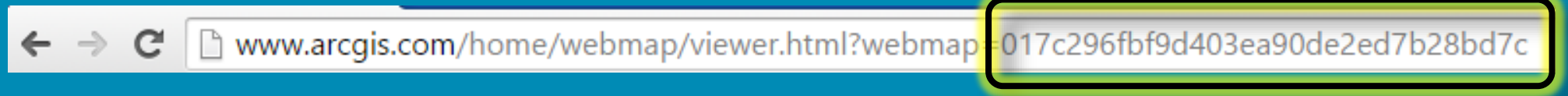
- Source download from GitHub
- Delivered as Zip file
- Edit using any text editor
- Can be highly customized
- Must host from own server



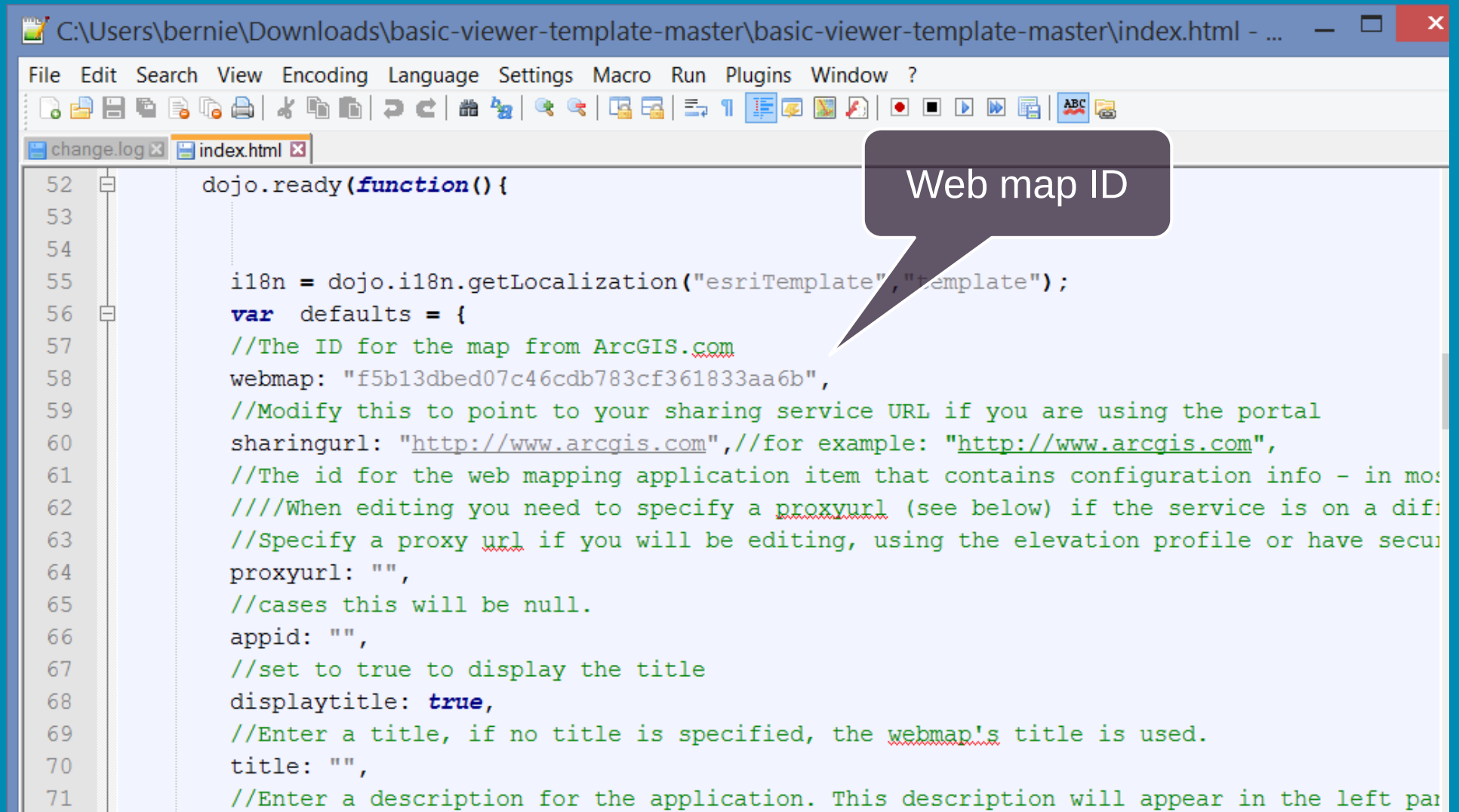
Map ID

Each map has a unique identifier, like a social security number

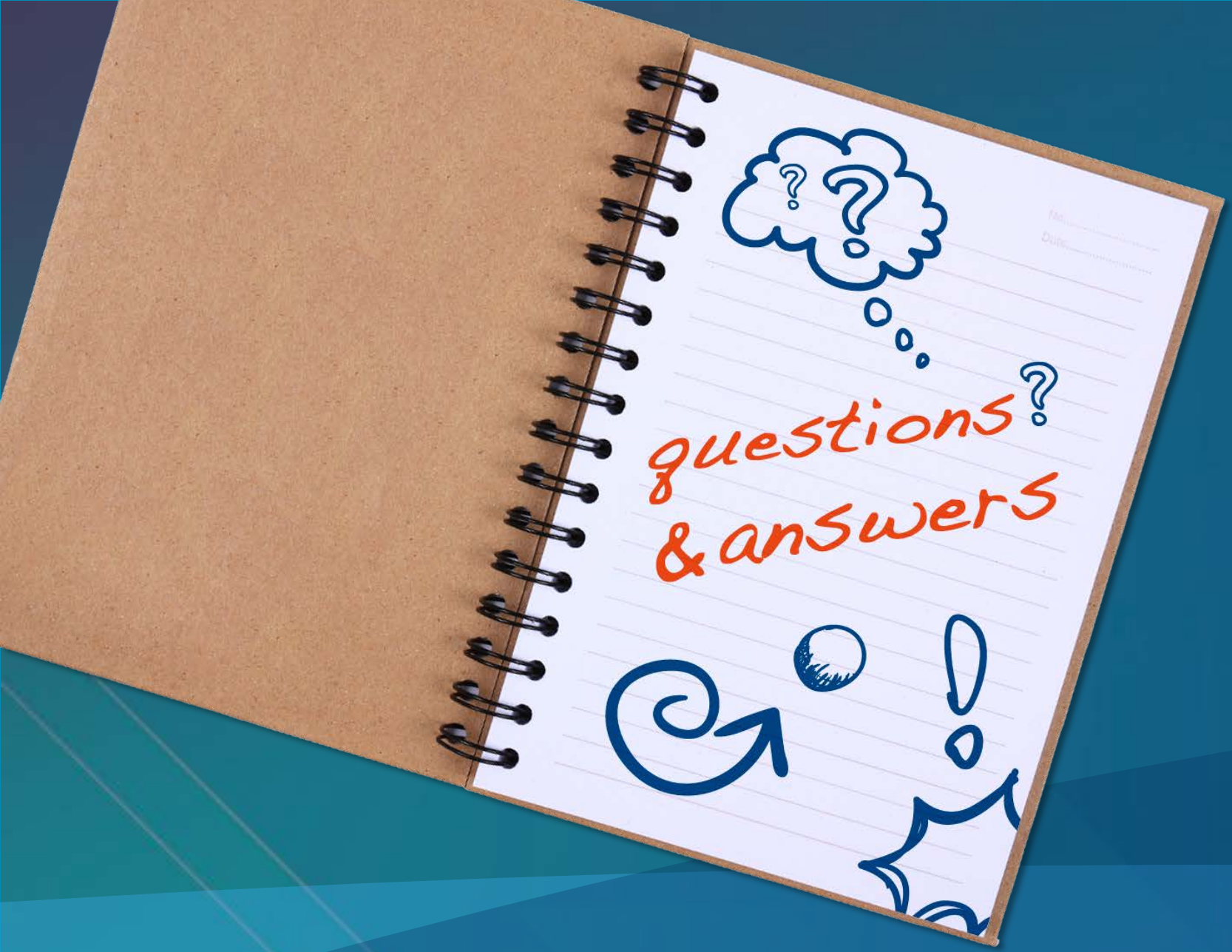




Insert web map ID into source code



DEMONSTRATION


questions?
& answers

Understanding our world.