Story Maps

Esri Story Maps let you combine authoritative maps with narrative text, images, and multimedia content. They make it easy to harness the power of maps and geography to tell your story.

Creating Story with Story Map Series

You can use any ArcGIS Online web maps in your Story Map Series℠. You can create new web maps, use your existing web maps, or use web maps that have been created and shared publicly by other users or organizations.

If you'll be creating one or more new web maps for use in your Story Map Series, you can either create them in ArcGIS Online before you start building your Map Series, or you can create them on-the-go within the Map Series Builder. From within the Builder, you can also edit web maps that you own. After you have created your Map Series, you can continue to work on your maps to refine their content, symbology, and popups.

If you want the maps in your Map Series to be synchronized so they all show the same geographic extent - such as a set of thematic maps about a particular city - you don't need to make the maps all have the same geographic extent when you create them in ArcGIS Online. By default, the Map Series will automatically synchronize the extents of the maps in your story to the extent of the first map it contains.

If you want the maps in your Map Series to show different locations, you'll turn the synchronize option off as described in the step below. When you select the maps for your Map Series, the geographic extent at which the maps were saved in ArcGIS Online will be used by default, but you can override that extent and specify a different extent as you author your story.

1.   Start the Story Map Series Builder. You can use a free, non-commercial ArcGIS public account or an ArcGIS subscription account.

Alternatively, you can start in the ArcGIS Online website, open one of the web maps you want to

include in your Map Series, share it as a web application, and then choose **Story Map Series** from

the application gallery. The Story Map Series Builder will launch.

2. In the dialog that appears when the Map Series Builder starts, choose the layout you would like to use and press **Start**. In this tutorial we'll use the Tabbed layout but the steps are very similar for the Side Accordion layout and the Bulleted layout.

3. Enter a title for your Map Series. You can also optionally take a quick tour of the Builder at this point.

What do you want to call your Tabbed Map Series?

Enter your title...

———————— OR ————————

TAKE A TOUR

4. A dialog appears that lets you add the first tab into your Map Series. In this dialog, you are first prompted for the content you want this tab to show. Choose between a **Map**, **Image**, **Video** or **Web Page**. For example the **Web Page** option lets you embed web content like another app into tab.

If you want to use a web map, which is the default option, click the **Map** dropdown and either select the map you want to use or choose the option to create a new map. If you create a new map, you'll be prompted to enter a name for the map and then a window will appear that lets you author your map. After you've selected or created a map, you will then be given the options, shown in the screenshot here, to customize how the map is displayed. You can choose to display a particular area of the map, turn layers on or off, display a particular feature's popup, or any combination of those. For example if you choose a custom location, the Builder will prompt you to interactively zoom to the area you want to use, and then you'll press a button to capture that extent. This lets you override the default extent of the web map.

The name of the web map you selected or created will be used as the name for the tab by default, but you can edit that name before going ahead and adding the tab.

Press **Add** in the dialog to add the tab.
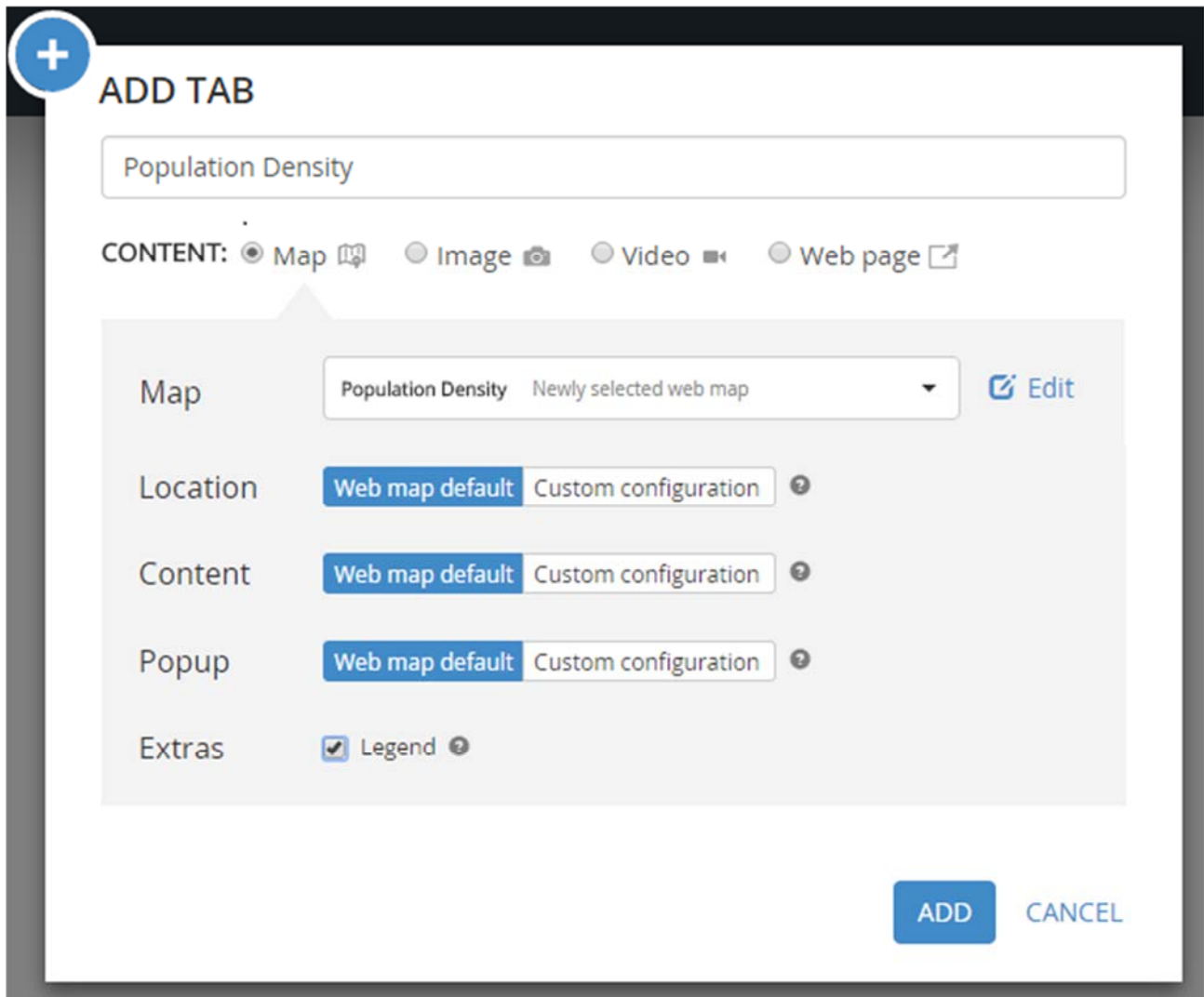
5. The new tab appears in your Map Series, along with a panel into which you enter descriptive text about the map it contains. You can type or paste text directly into the built-in rich text editor. You can also embed graphics, images and videos in with the text.

If you don't want any of the tabs in your Map Series to have a description panel, click

the **Settings**button at the top of the Builder and in the **Layout Options** tab uncheck

the **Description** box and press **Apply**. None of the tabs in your Map Series will have a description

panel. If you don't want this particular tab to have a description panel, but want to allow other tabs to

have a panel, simply leave the panel empty for this tab.

To save your work so far, press the **Save** button in the top right hand corner of the Builder.
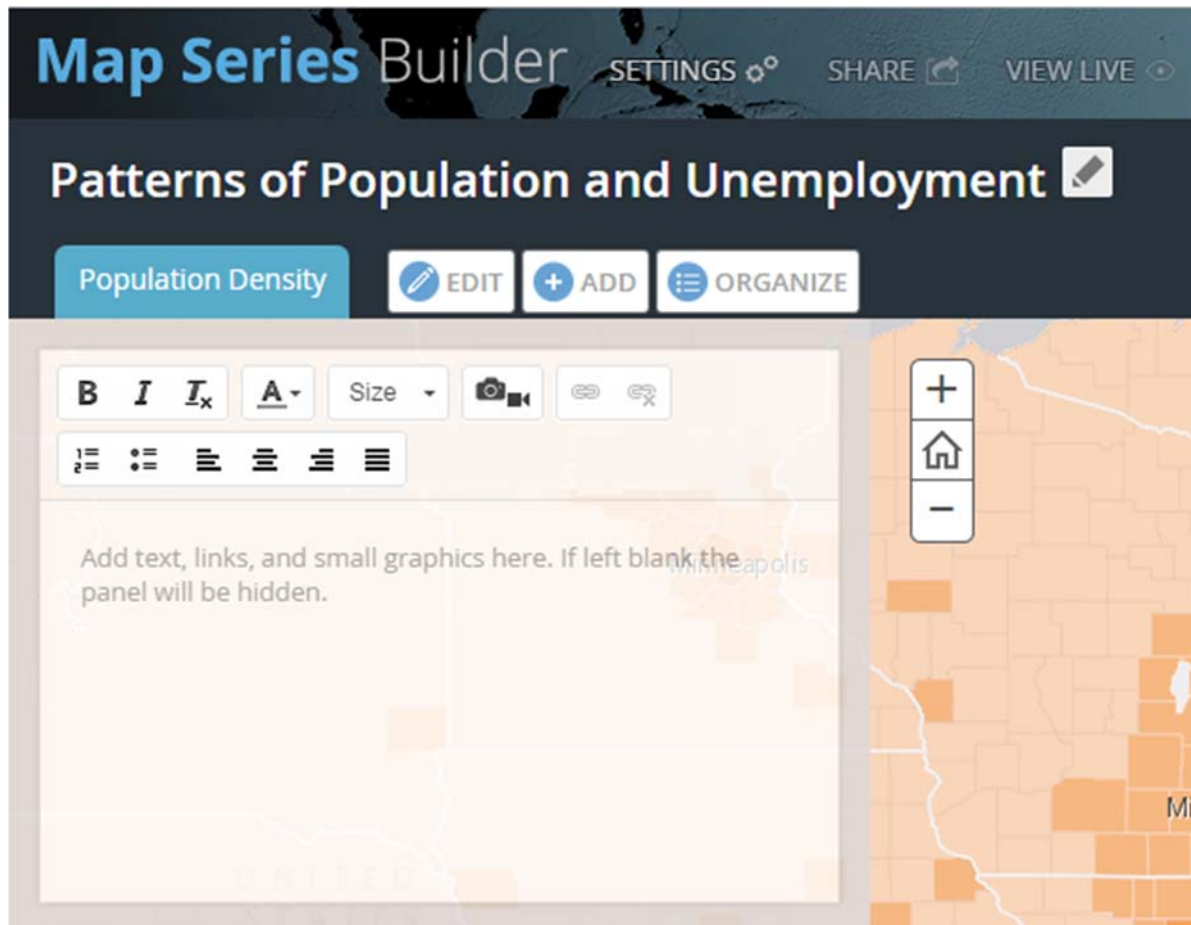
6. In Step 4, if you checked the **Legend** box, the map's legend will appear below the description panel. If you want the legends for the maps in your Map Series to appear as a dropdown control instead, click **Settings**, choose the **Layout Options** tab, choose the **Dropdown** option under **Legend placement**, and then press **Apply**.
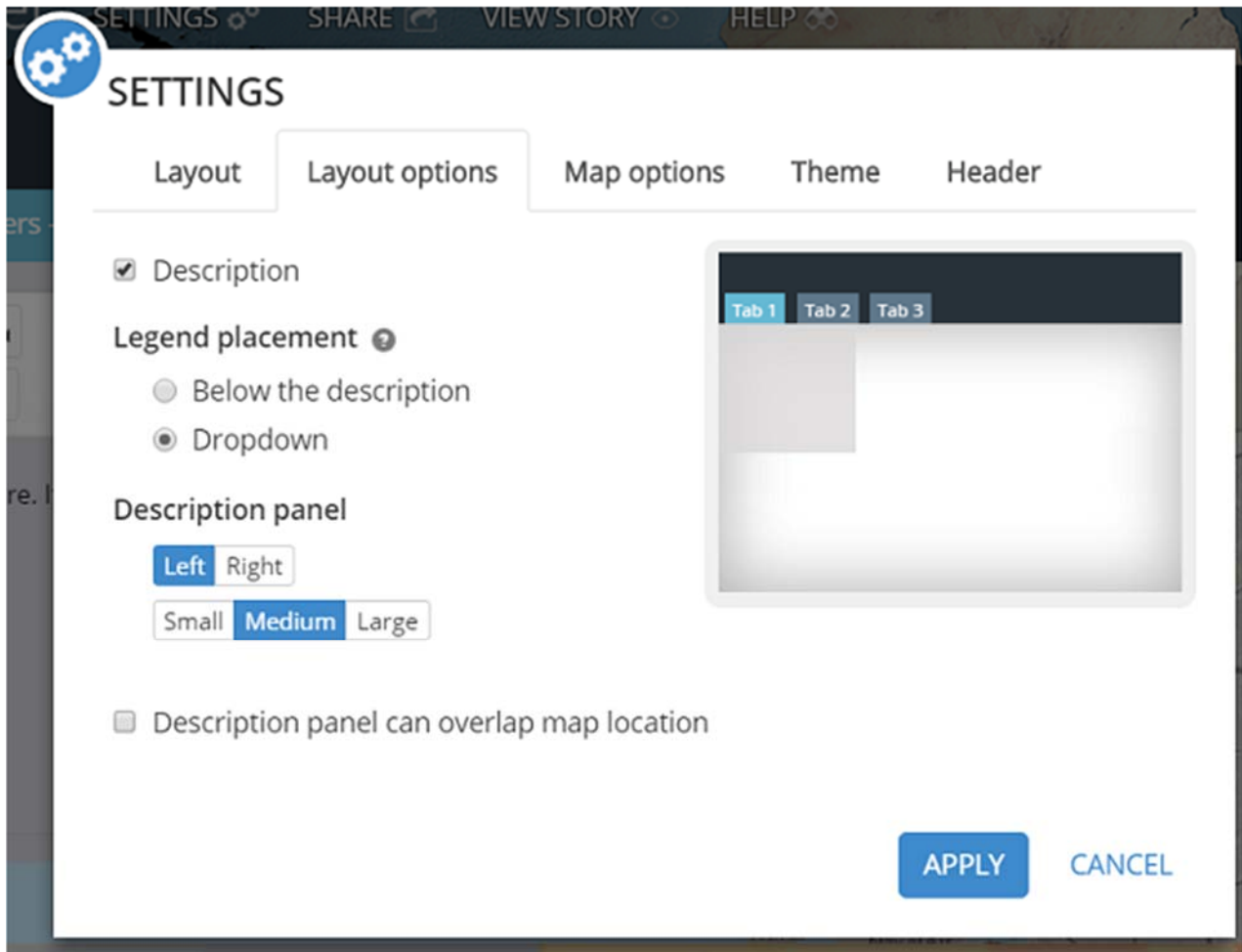
7. Before you add another tab to your Map Series, now is a good time to decide if you want the maps to be synchronized to show the same geographic location, or if you want each map to show a different geographic location.

If you do want synchronization , this is the default, so you can simply continue by pressing

the **Add** button to add the next tab. If you choose to add a web map for the next tab, you'll notice

that the **Location** option says that the location is inherited from the first map, as shown in the

screenshot here.

If you don't want synchronization, click **Settings**, choose the **Map Options** tab, uncheck the **Synchronize map locations** box, and press **Apply**. Now press the **Add** button to add the next tab.

In the **Add** dialog, specify the content you want for the next tab and press the **Add** button in that dialog to add the tab.
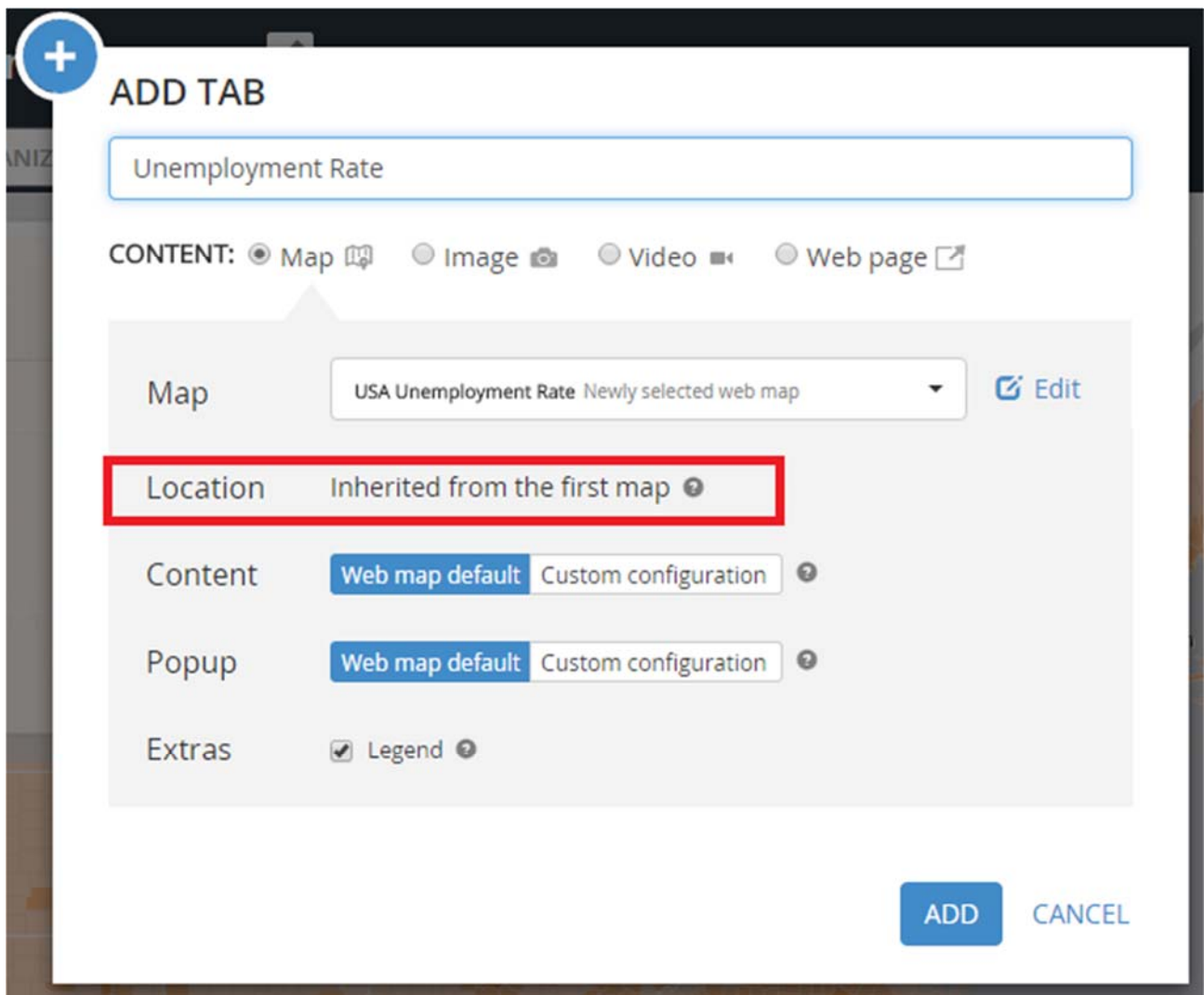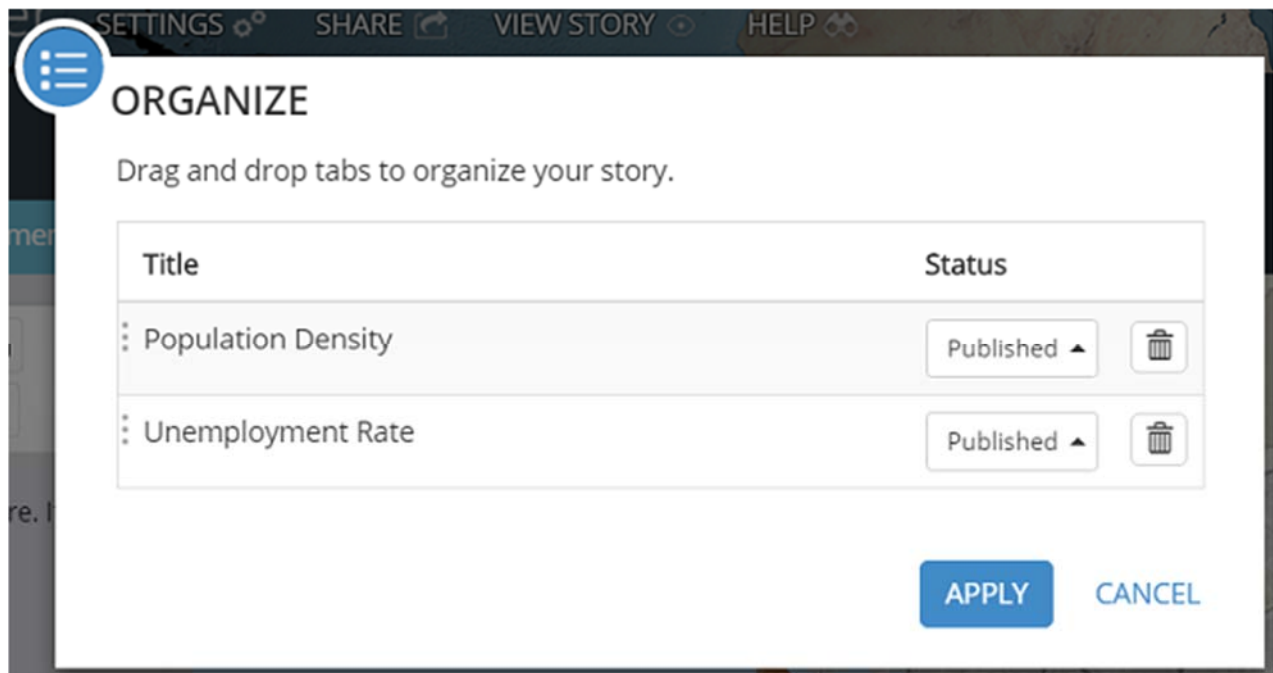

8. Continue using the **Add** button to add all your tabs.

If your tabs have a description panel, you can edit the text in any of those panels at any time.

To change the content displayed by a tab in your Map Series, first click the tab to select it, then click the **Edit** button.

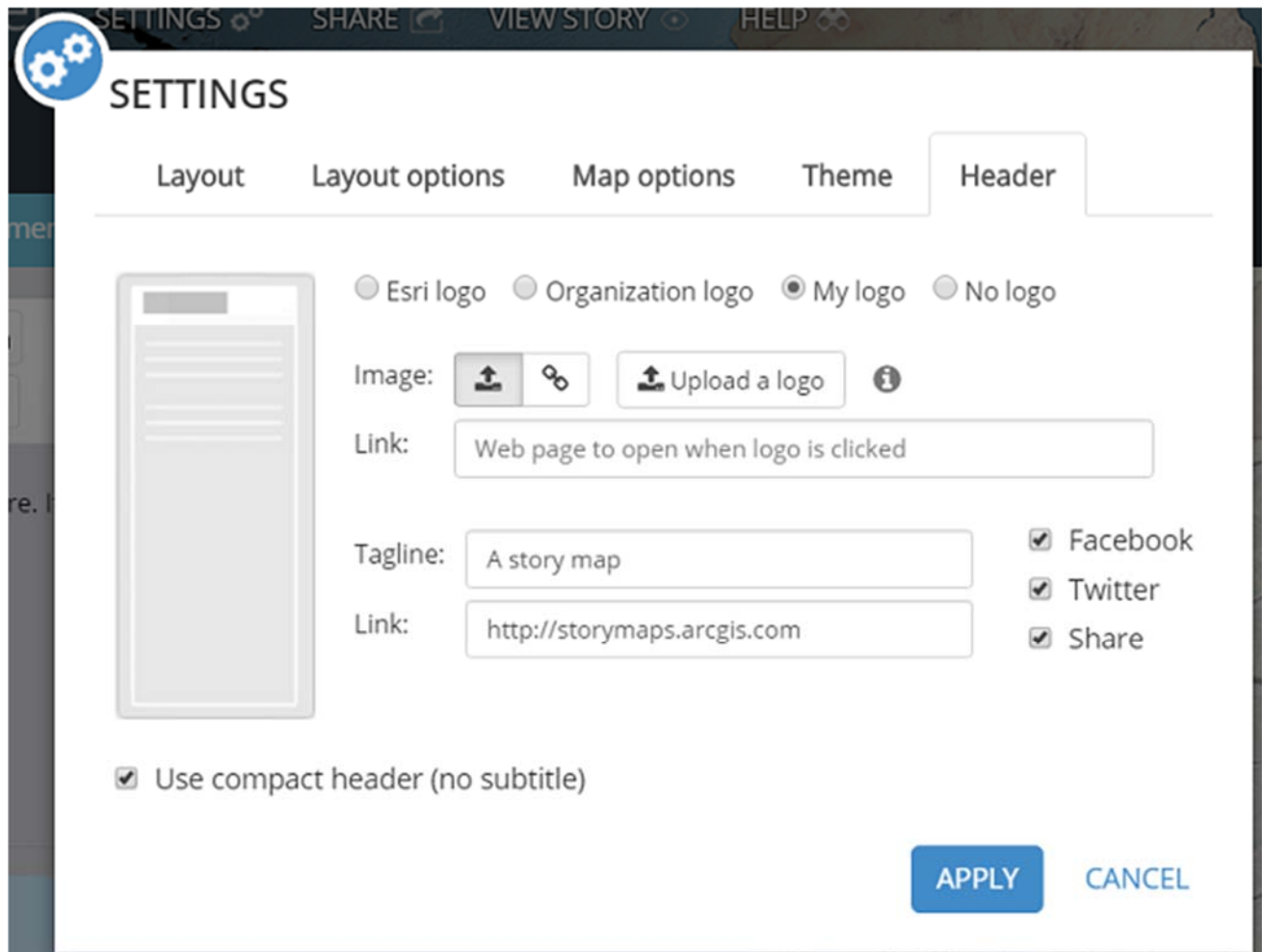To reorder or delete tabs, press the **Organize** button to open the dialog shown here.

9. Now you've defined all the tabs in your Map Series, you can optionally refine your story map's appearance by using the options in the **Settings** dialog.

The **Settings** dialog lets you change layout options, map options, choose a different color scheme (theme), and specify what will be in the header at the top of your Map Series.

Customize the logo that appears in your header in the **Header** tab. Using your own logo is important because it adds authority to your story and shows people who created it. Your organization's logo and color scheme may already be reflected in your story if they have been set as defaults by your

ArcGIS account administrator (this option is only available if you are using an ArcGIS subscription account). Be sure to specify a URL that your readers will be taken to when they click your logo, so they can find out more about your organization.

If you want your Map Series to have a subtitle in its header as well as a title, uncheck the **Use compact header** box in the **Header** tab. After you press **Apply** in the **Settings** dialog, you'll see a subtitle field in the header which you can type into.

10. Once you are happy with the look of your Map Series, you are ready to share it.

First press the **Save** button in the top right hand corner of the Builder to ensure that all your work is saved. Now press the **Share button** at the top of the Builder. In the dialog that appears, you can share your Map Series publicly, or, if you're using an ArcGIS subscription account, you'll also see the option to share your story so it is accessible only within your organization. The dialog will warn you about any issues in your story content that would prevent it from working correctly for your audience. For example it will warn you if any of the data in a publicly shared story map isn't publicly accessible.

To make further changes to your Map Series, you can launch it and click the **Edit** button you'll see in its header. (That button is only present when you are signed in to ArcGIS Online with your account: other people won't see it).

To manage your Map Series go to My Stories. My Stories lists all the story map apps you have created that are hosted in ArcGIS Online. It lets you edit your stories, review their content, check them for issues, upload thumbnails for them, etc. For example you can launch and edit the web maps used in your Map Series from My Stories to make modifications to them.

You can also access your Map Series and the web maps it uses from My Content in ArcGIS Online or your organization's ArcGIS portal.

References

http://storymaps.arcgis.com/en/app-list/map-series/tutorial/

Create Story with Story Map Journal

In this tutorial you'll use our interactive Story Map Journal℠ Builder to author your journal entries, which we call sections. For each section you'll specify the web map, image, video or other web content that you want your Map Journal to display when your users reach that section, and how you want that content to be displayed.

For example, you might choose to display the same web map throughout your Map Journal, and have each section automatically zoom to a different area on that map. Or you may author your Map Journal so that it takes your users through multiple web maps, and associated images and videos, as they read through the sections. Lots of different combinations are possible.

You can use any ArcGIS Online web maps in your Map Journal: you can create new web maps, use your existing web maps, or use web maps that have been created and shared publicly by other users or organizations.

If you'll be creating one or more new web maps for use in your Map Journal, you can either create them in ArcGIS Online before you start building your Map Journal, or you can create them on-the-go within the Map Journal Builder. From within the Builder, you can also edit web maps that you own. After you have created your Map Journal, you can continue to work on your maps to refine their content, symbology, and popups.

---

1.   Start the Story Map Journal Builder. You can use a free, non-commercial ArcGIS public account or an ArcGIS subscription account.

Alternatively, you can start in the ArcGIS Online website, open the web map you want to use in your Map Journal, or any one of the web maps if you intend to use several, share it as a web application, and then choose **Story Map Journal** from the application gallery. The Map Journal Builder will launch so you can configure the application.

2.   In the dialog that appears when the Map Journal Builder starts, choose the layout you would like to use and press **Start**. In this tutorial we'll use the default **Side Panel** layout but the steps are the same for the Floating Panel layout.

3.   Enter a title for your Map Journal. You can also take an optional quick tour of the Builder at this point.

---
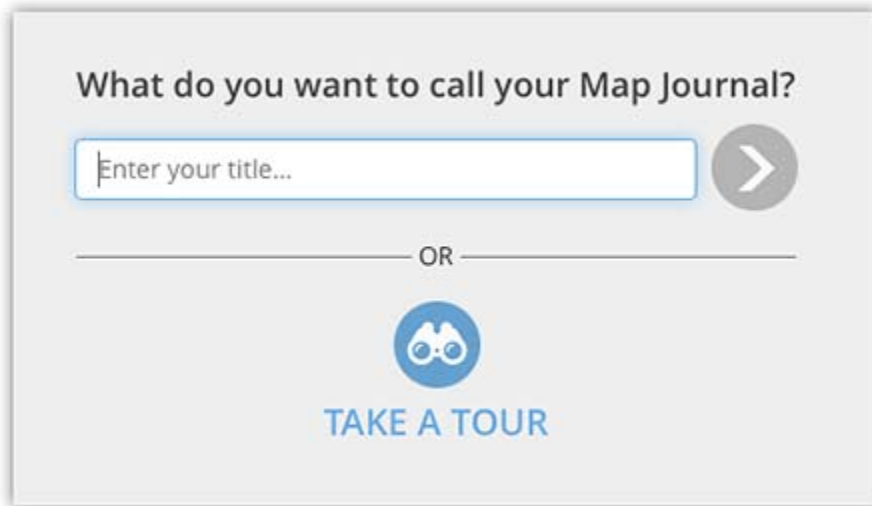
4.   The dialog will appear that lets you add the first entry, the "home section", into your Map Journal. The home section is the first section your users will see when they open your Map Journal, so it serves as the introduction.

In this dialog, you are first prompted for the content you want this section to show in the "main stage": the main area of the display to the right of the side panel. Choose between a **Map**, **Image**, **Video** or **Web page**.

If you want to use a web map, which is the default option, click the **Map** dropdown and either select the map you want to use or choose the option to create a new map. If you create a new map, the map editor window will appear. After you've selected or created a map, you will then be given the options, shown in the screenshot here, to customize how the map is displayed. You can choose to display a particular area of the map, turn layers on or off, display a particular feature's popup, or any combination of those. For example if you choose a custom location, the Builder will prompt you to interactively zoom to the area you want to use, and then you'll press a button to capture that extent. This lets you override the default extent of the web map.

Press **Next**.

---
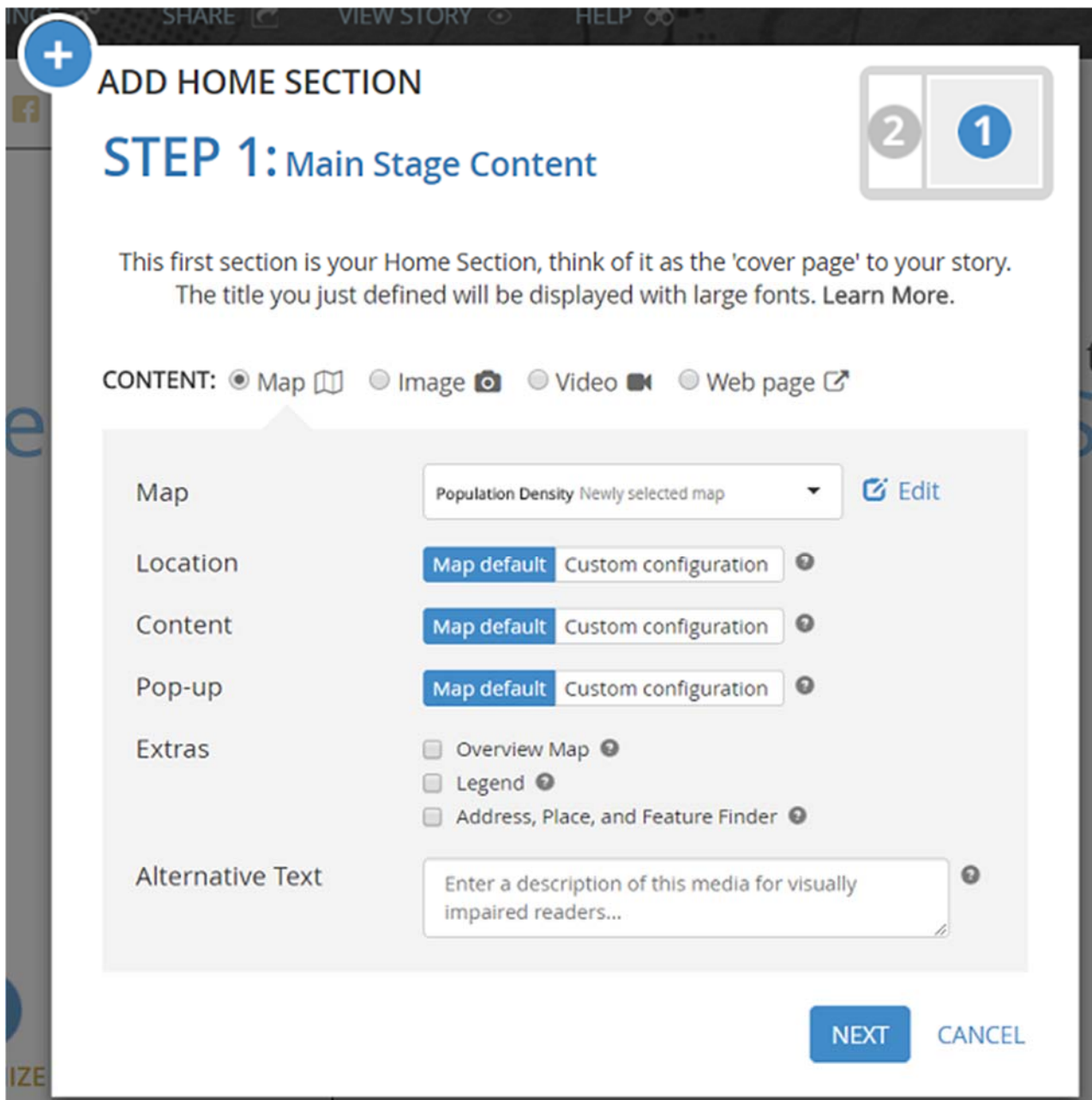
5.   The **Add Home Section** dialog will now prompt you to enter and format the content that will appear in the side panel for the home section. You can type directly into the built-in rich text editor. You can also paste text into the editor from word processing programs in which case the formatting is carried over into the editor. You can also embed graphics, images and videos in with the text. You can also define "story actions" in the section's text so that, for example, clicking a word automatically zooms the main stage's map to a particular location. (We'll show you how to set up these actions in step 8 below).

Press **Add**. Your completed home section will now appear in your Map Journal.

To save your work so far, press the **Save** button in the top right hand corner of the Builder.

6.   Use the **Add Section** button at the bottom of the side panel to add additional sections into your Map Journal.

The same dialog will appear each time you add a section allowing you to specify the content for the main stage and the side panel.
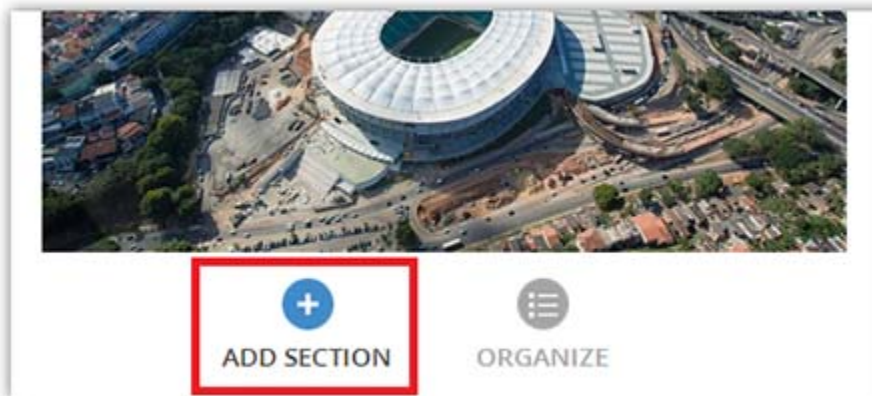
7. To make edits or other changes to a section you've added, click the blue edit button at the top of the side panel.

You can use the **Organize** button to reorder and delete sections.

8.	As we mentioned above, you can optionally define "story actions" in the side panel content for a section to provide users with another level of interaction when they read your Map Journal. For example in this Map Journal example story actions have been defined in some of the sections that open popups for specific features on the map when they are clicked or tapped.

To define a story action in a section, edit the section's side panel text by clicking the blue edit button at the top of the side panel and in the **Edit Section** dialog's **Side Panel** tab, select the text that you want to turn into an action. Now click the first button in the **Story Actions** toolbar. A dialog will appear allowing you to specify what the action will do. Your action can zoom to a location on the web map the section is displaying, turn one or more of its layers on or off, display a popup for one of its features, or a combination of these. You can also switch to a different web map or load an image, video or web page, or navigate to a different section in your Map Journal. Press **Apply** and then **Save** when you are done.

Story actions are easy to define but give you great flexibility for engaging users and directing their attention to specific locations on your maps, etc.
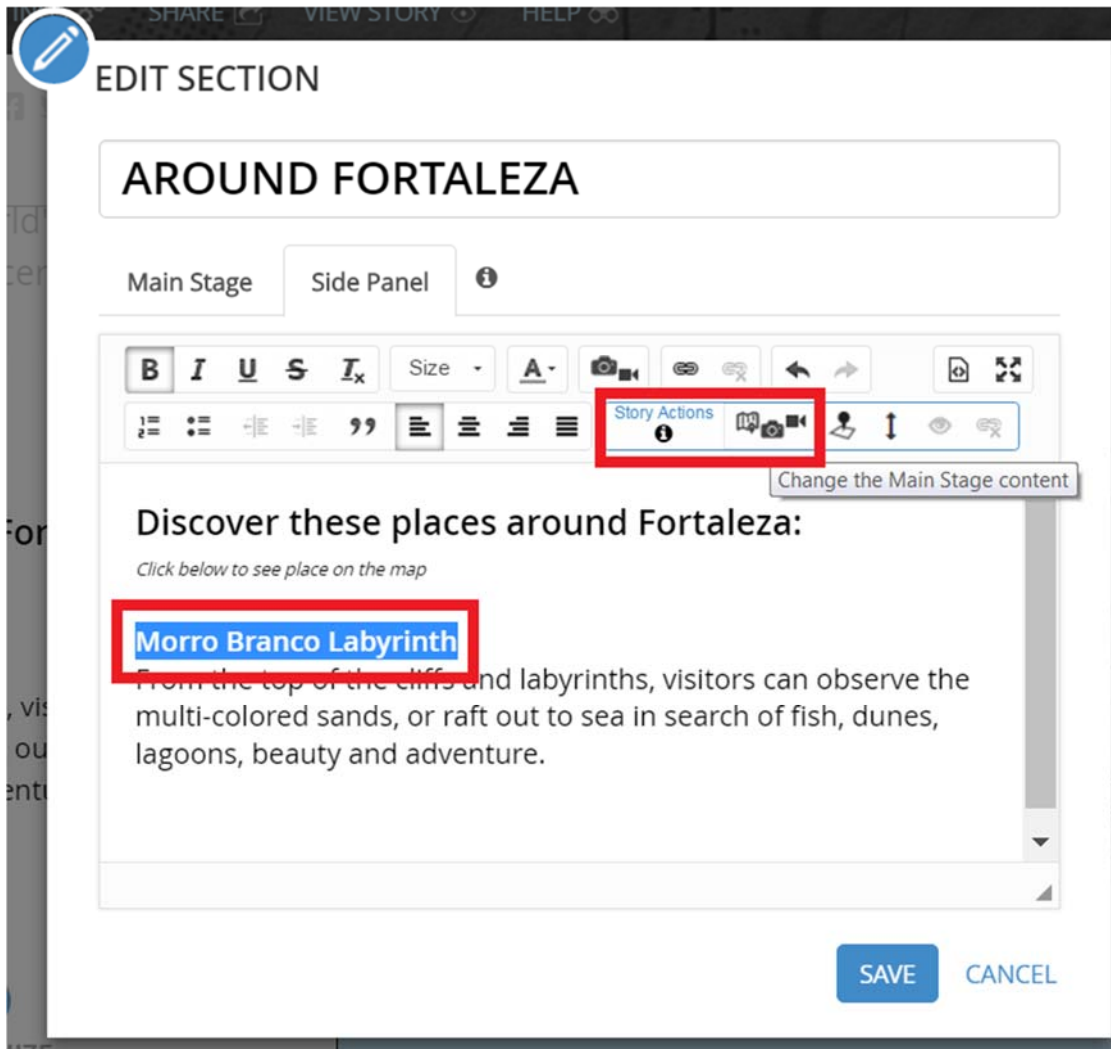
9.	Now you've defined all the sections, you can refine your Map Journal's appearance by clicking the **Settings** button at the top of the Builder.

The **Settings** dialog lets you change some layout options, choose a different color scheme (theme), and customize the logo that appears at the top of your story. Using your own logo is important because it adds authority to your story and shows people who created it. Your organization's logo and color scheme may already be reflected in your story if they have been set as defaults by your ArcGIS account administrator (this option is only available if you are using an ArcGIS subscription

Mozambique: Spatial Planning Training   02 -13 July 2018

account). Be sure to specify a URL that your readers will be taken to when they click your logo, so they can find out more about your organization.
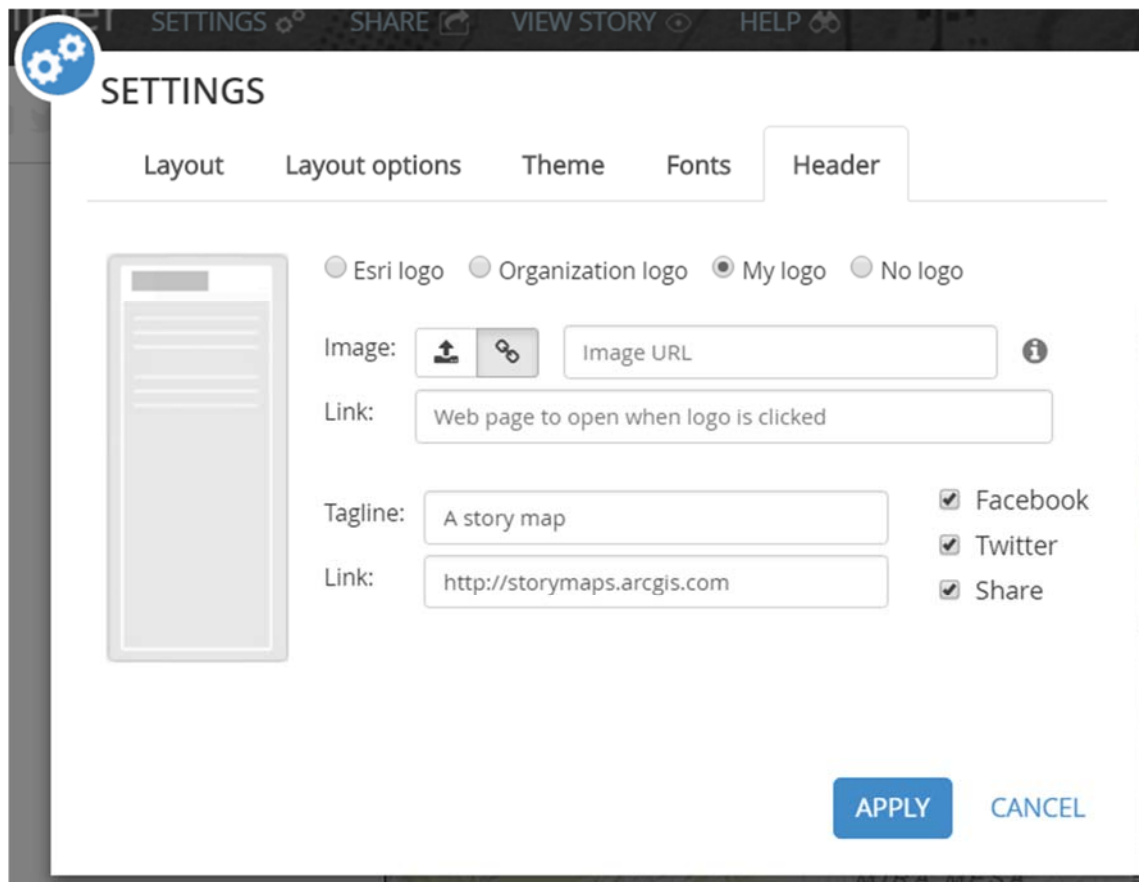
10. Once you are happy with the look of your Map Journal, you are ready to share it.

First press the **Save** button in the top right hand corner of the Builder to ensure that all your work is saved. Now press the **Share** button at the top of the Builder. In the dialog that appears, you can share your Map Journal publicly, or, if you're using an ArcGIS subscription account, you'll also see the option to share your Map Journal so it is accessible only within your organization. The dialog will warn you about any issues in your story content that would prevent it from working correctly for your

audience. For example it will warn you if any of the data in a publicly shared story map isn't publicly accessible.

Your story map should now be operational.

To make further changes to your Map Journal, you can launch it and click the **Edit** button you'll see in its header. (That button is only present when you are signed in to ArcGIS Online with your account: other people won't see it).

To manage your Map Journal go to My Stories. My Stories lists all the story map apps you have created that are hosted in ArcGIS Online. It lets you edit your stories, review their content, check them for issues, upload thumbnails for them, etc. For example you can launch and edit the web maps used in your Map Journal from My Stories to make modifications to them.

You can also access your Map Journal and the web maps it uses from My Content in ArcGIS Online or your organization's ArcGIS portal.

References

http://storymaps.arcgis.com/en/app-list/map-journal/tutorial/

Create Story with Story Map Cascade

To create a story with Story Map Cascade℠ you author sections containing narrative text and media such as images, web maps, 3D web scenes, videos or other web content. There are two main types of sections you can author in a Cascade story: narrative and immersive.

A **narrative section** contains text and in-line media. When a reader scrolls through a narrative section it behaves much like a typical web page.

An **immersive section** fills the page with the media you choose. In an immersive section you can configure exactly what your readers see and how they interact with it. For example you can author

an immersive section that displays a series of images with descriptive text panels that your readers can scroll through, or that displays a map or 3D scene which automatically zooms to show particular locations and associated descriptive text as your readers scroll.

You can use any ArcGIS web maps or 3D scenes in your Cascade story: you can create new ones, use your existing ones, or use ones that have been published by other users or organizations. If you'll be creating new maps or scenes for your Cascade story, you should create them before you start authoring your story, but you can continue to refine them after you've finished your story.

---

1.   Start the Story Map Cascade Builder. You can use a free, non-commercial ArcGIS public account or an ArcGIS subscription account to create a Cascade story.

---

2.   The Cascade Builder appears showing your cover page with a placeholder cover photo.

Click the text to add your own title and optional subtitle.

Click the **Save** button in the panel on the left hand side of the Builder.

Press the **Add Your Image or Video** button to specify your own cover media.

The **Media Picker** appears which allows you to, for example, choose a picture from Flickr, either from your own account, another account, or by searching Flickr. You can also upload an image file from your computer directly into your Cascade. Images you upload from disk are hosted in your Cascade application automatically.

Tip: If you use a video as your cover media, be sure to also specify an image that will be used as alternate media when your Cascade is viewed on a mobile device. Videos in Cascades are supported on mobile devices, except for on the cover page. After adding the video, you can specify

*alternate media by clicking the **Pencil** button that you'll see in the lower left corner of your cover page, and then clicking **Mobile**. You'll see this Mobile option to specify alternate media throughout Cascade for any content you include that is unsupported on mobile devices, such as 3D scenes, or which may not work well on mobile.*
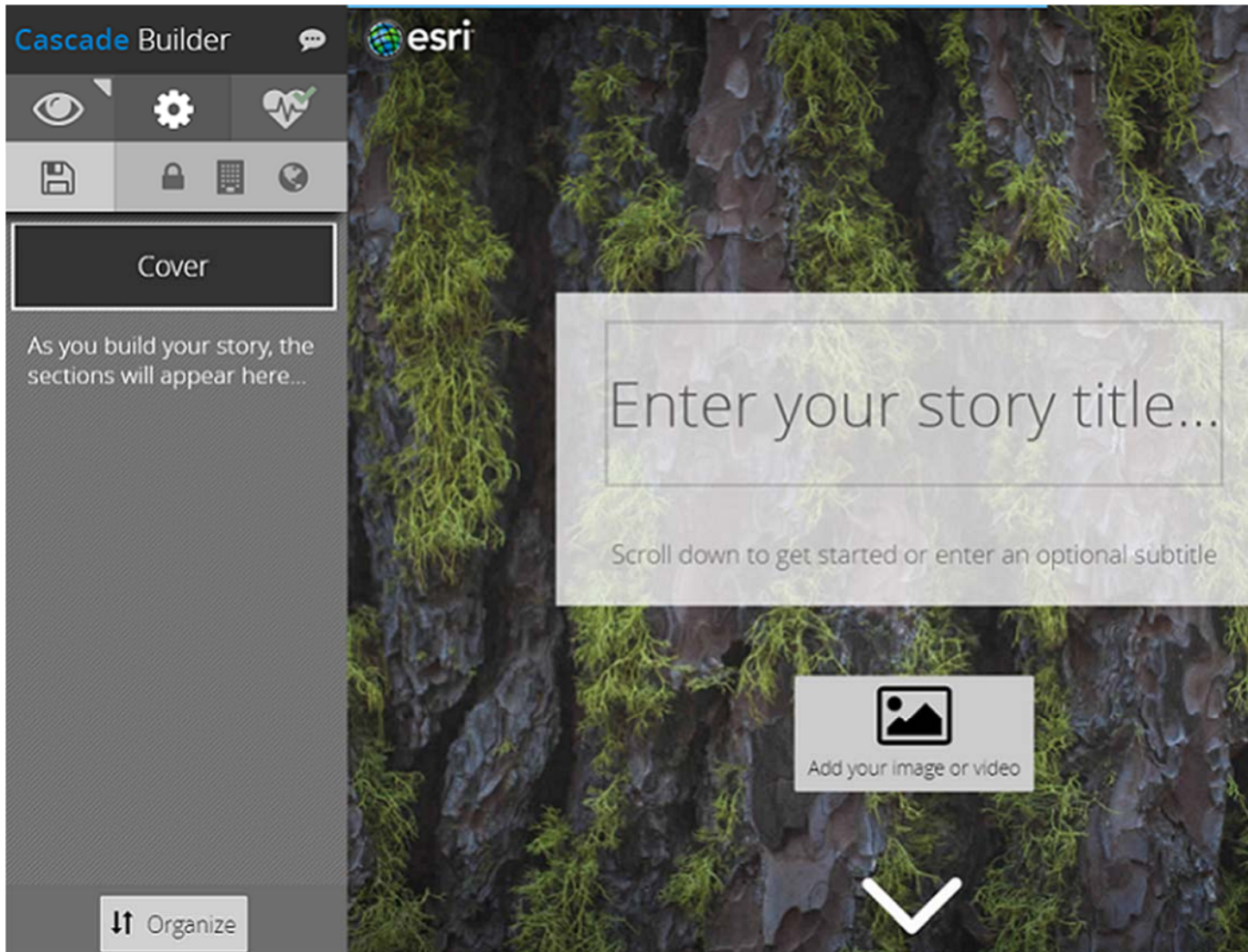

3.   You can now start authoring the content in the first narrative section in your story.

There's a narrative section in your story already waiting for you to add content to it. Just scroll down to see it or press the arrow at the bottom of the cover page. You can also get to that first section by clicking it in the story overview listing you see on the left side of the Builder.

Click in the placeholder text block in that section and start typing the introduction to your story.

The block formatting button in the margin lets you format your paragraph as a heading (H1 or H2) or block quote, and also adjust the alignment of the text. To format a passage in bold, italic, underline, or strikethrough first select the words you want to format and then press the option you want to use from the text formatting toolbar. To create a hyperlink, select the text you want to turn into a link and press the **Link** tool to specify the URL.

*Tip: You can change the appearance of your Cascade by clicking the **Settings** button and choosing **Appearance**. You can choose between Light and Dark themes, and choose the text fonts that are used throughout your Cascade. However, in general we recommend sticking with the default appearance settings unless there's a good reason to make a change, such as making your Cascade more closely match your organization's style and visual identity.*
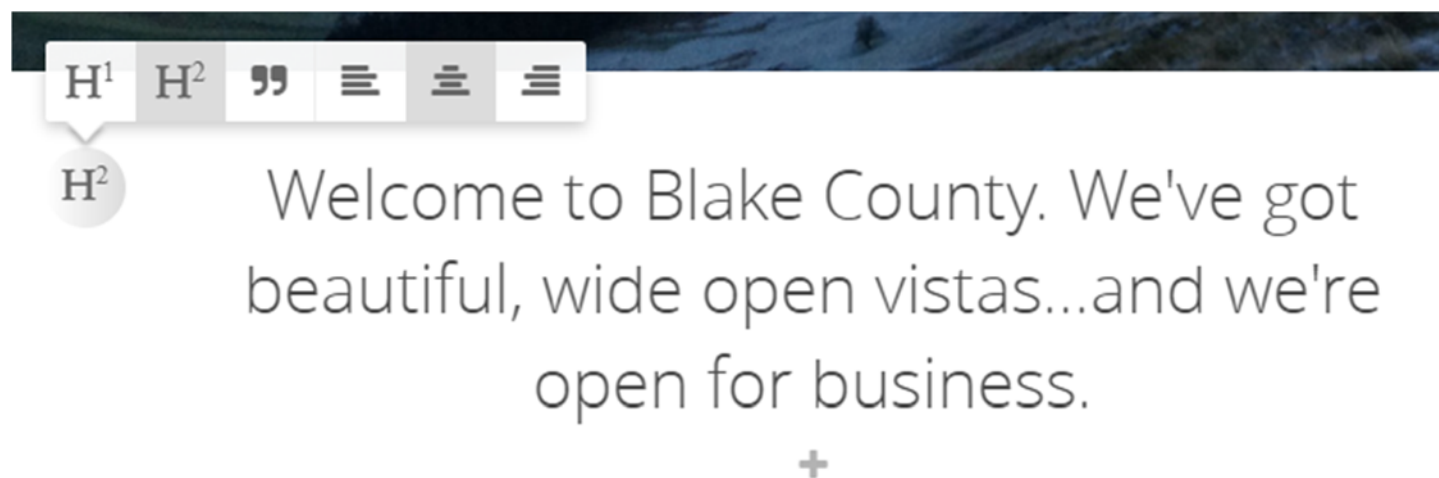
4. To add in-line media immediately after your first paragraph, hover your cursor over the space

after your first paragraph and press the **+** button. In the menu that appears choose **Media**. This opens the **Media Picker**. For example you can add an image, a web map, 3D scene or video.

5.   You can configure the media you just added into your section by pressing the button in its bottom left corner. The configuration options you see depend on what type of media it is. If it's an image you can change its size, etc. If it's a map you can choose whether you want your readers to be able interact with it or not, which layers in the map will be displayed, etc.

When you've finished configuring the media you just added, you can continue by adding more text into your section or adding more media.

Press the **Save** button to save your work so far.

6. Now add your first immersive section. Hover your cursor over the space after the last paragraph, press the **+** button and choose **Immersive**.

When you author an immersive section you define one or more views. These views appear one after the other as your readers scroll. Each view displays the media you choose, such as an image, map, 3D scene or video. For example, your immersive section could start by showing a view that displays a map, and then show several views each of which displays an image. Or you could define three

views, each displaying the same map but showing different map extents, so that as your readers scroll between the views the map will change extent. Each view also has an associated text block that appears on top of it. You can configure the width, location, background color, and behavior of these text blocks. You can define transition effects between views too, such as fades and swipes. A wide variety of different interactive behaviors and looks can be achieved using immersive sections.

For the first view in your new immersive section, press **Add Media** to open the **Media Picker** and choose what you want that view to display. For example to use a photo that you have on disk, simply drag and drop it into the box, indicated in green on our screenshot, in the **ArcGIS** tab of the **Media Picker**. This will upload that image file into ArcGIS Online and use it in your view.

You create, edit and organize the views in your immersive section using the control that appears along the bottom of the Builder.
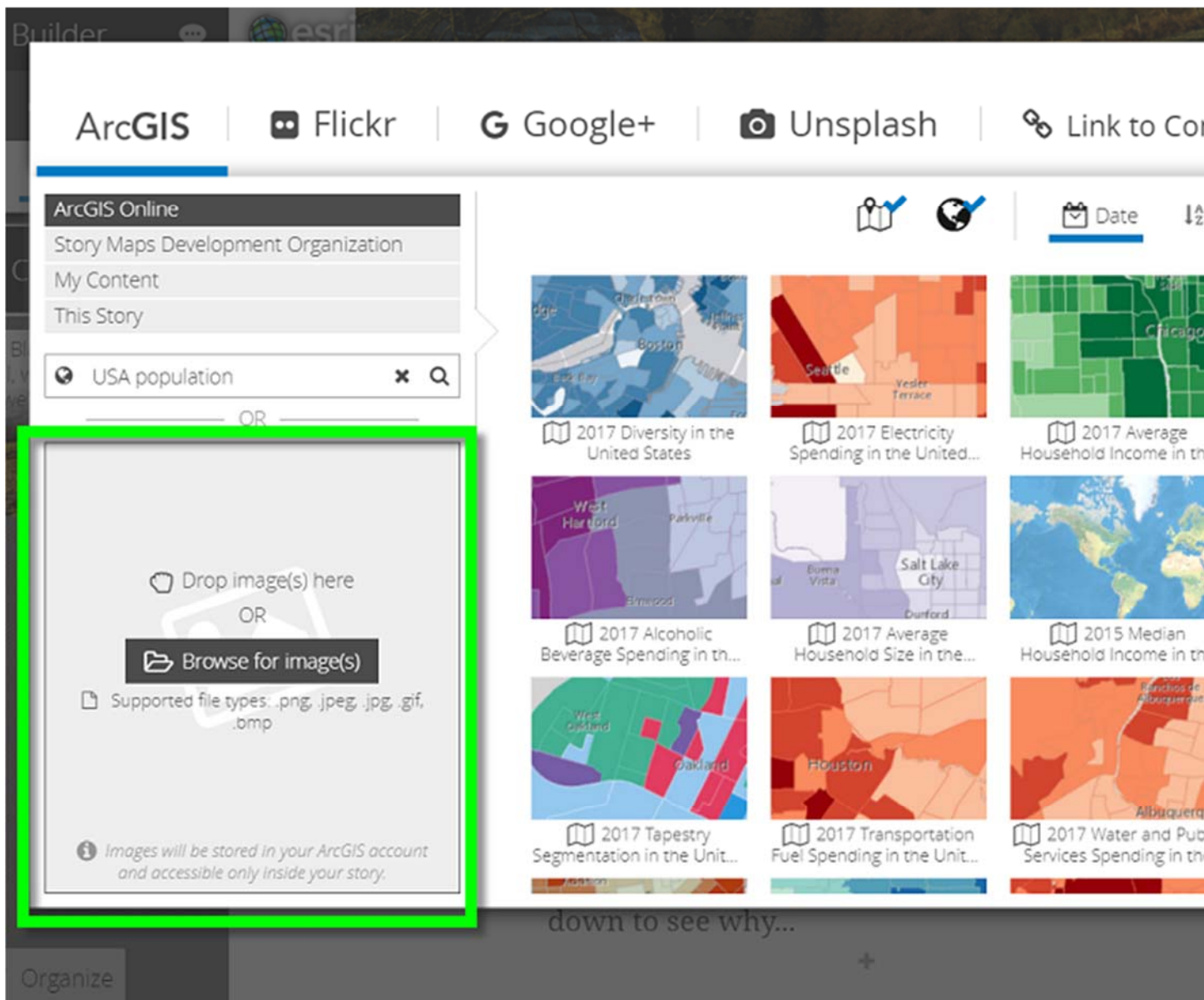
7. Continue adding narrative or immersive sections until you have finished your story.

Optionally, you can add titles into your story to separate your story into different parts or chapters, so they are particularly useful for long stories. You can use the **Bookmarks** option in the **Settings** dialog to add your titles into the header of your story. Readers can click on the

bookmarks in the header, indicated in green in our screenshot, to quickly navigate to the different parts of your story.

To add a title into your story, hover your cursor over the desired position in your story, press the **+**button and choose **Title**. You can then enter the text for the title and, if desired, an image or video.
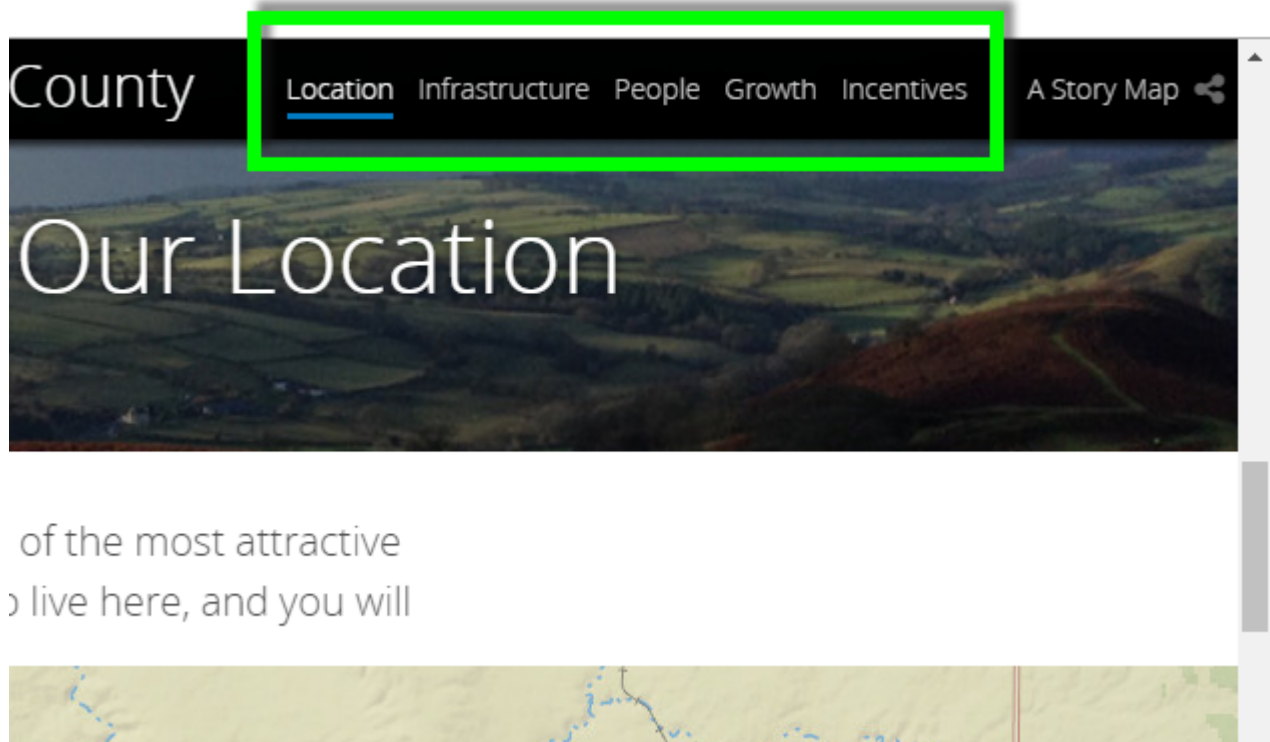
8. At any time you can reorder the sections in your story by pressing the **Organize** button that you'll see at the bottom of the story overview listing on the left side of the Builder. While you are in Organize mode you can drag your sections to reorder them. Then press **Done** to lock in the new order.
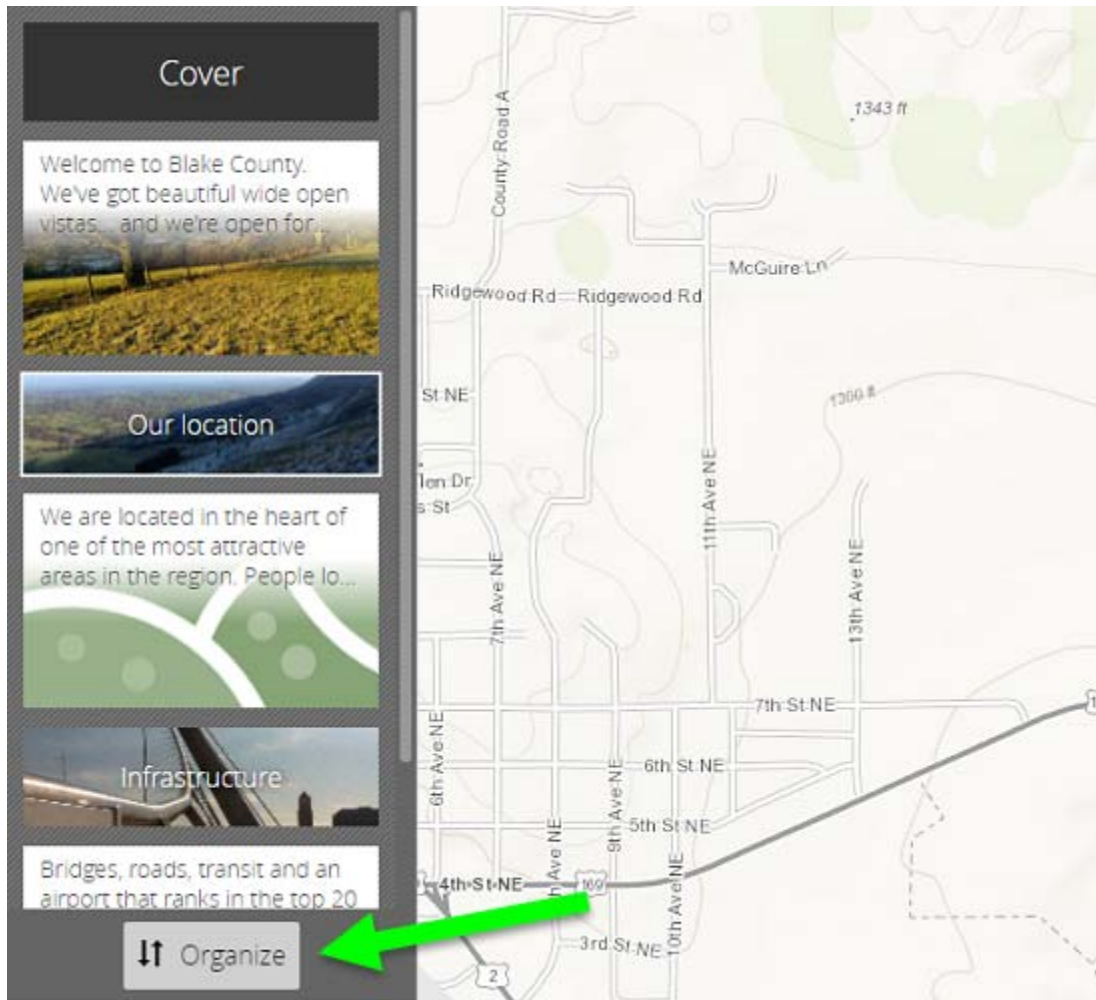
9. As a finishing touch, click the **Settings** button and in the **Logo and Sharing** tab upload your organization's logo so it appears in your story's header. Using your own logo is important because it adds authority to your story and shows people who created it. Your organization's logo may already be reflected in your story if it has been set as the default by your ArcGIS account administrator (this option is only available if you are using an ArcGIS subscription account). Be sure to specify a URL that your readers will be taken to when they click your logo, so they can find out more about your organization.

Once you are happy with your Cascade story you are ready to share it.

Press the **Save** button again to make sure everything is saved. Then choose the **Share** option you want to use. You can choose to share your story publicly or just within your organization. Use the **Organization** option if you only want members of your organization to be able to view your story. The **Organization** option is not available if you are using a free ArcGIS public account.

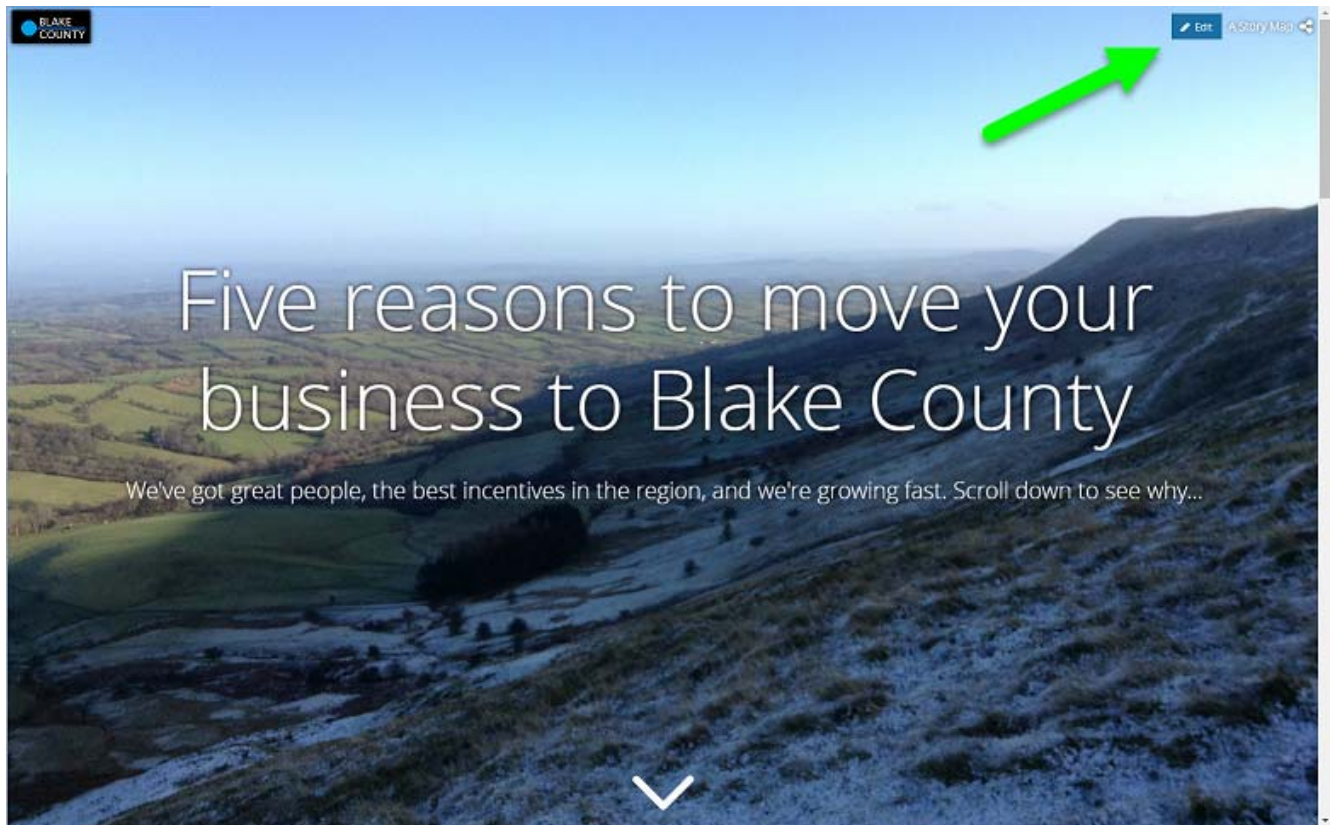Congratulations, your Story Map Cascade is now operational!
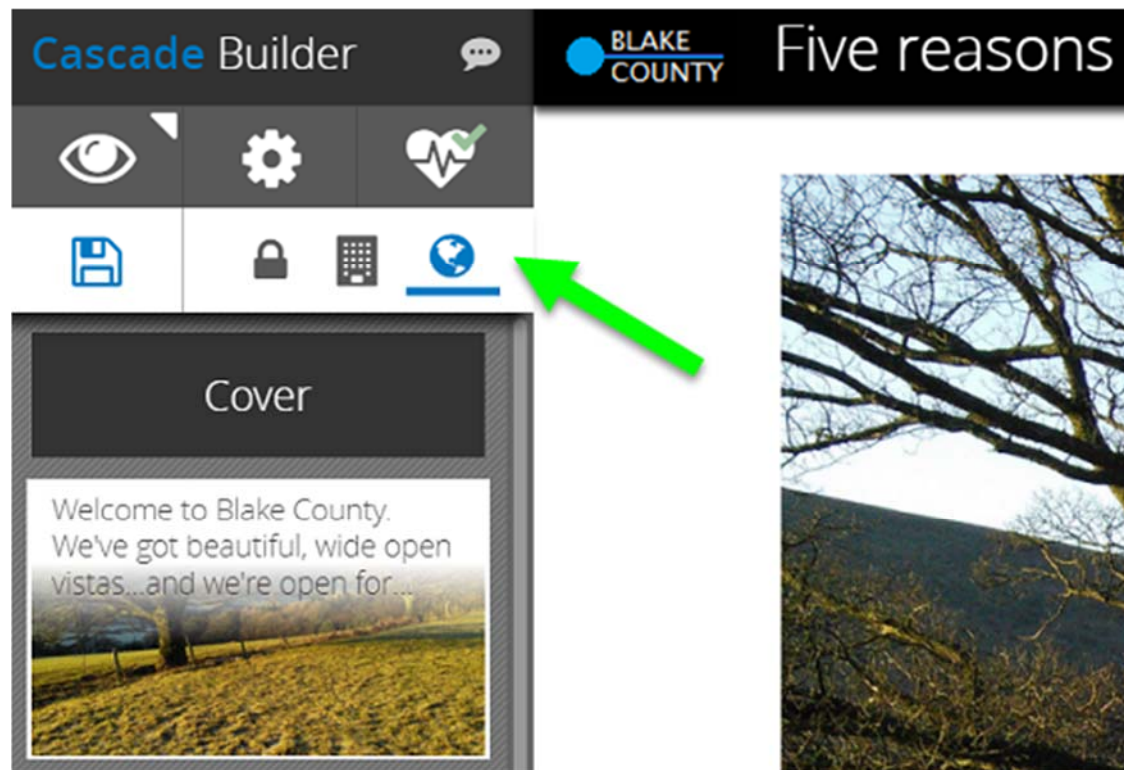
10. To make further changes to your story, you can launch it and press the **Edit** button you'll see in its header. (That button is only present when you are signed in to ArcGIS with your account: other people won't see it).

To manage your Cascade story, go to the My Stories section of this website. My Stories lists all the story map apps you have created that are hosted in ArcGIS Online. It lets you edit your stories,

review their content, fix issues (such as making sure that web maps in your story and the data they contain are shared correctly), upload thumbnails for them, etc.

You can also access your Cascade story from My Content in ArcGIS Online or your organization's ArcGIS portal, along with any maps or scenes you created to include in your story.

That's it! We can't wait to see how you put Story Map Cascade to work!

References

http://storymaps.arcgis.com/en/app-list/cascade/tutorial/