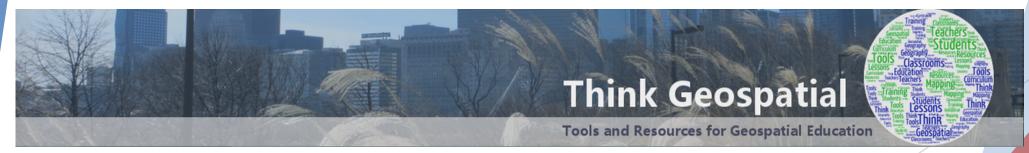


http://thinkgeospatial.education/presentations/ietc-2015



#### Judith Bock and Jenni Dahl

### Workshop Agenda

- Introducing Esri Story Maps
- Explore the Story Map Gallery & Share Story Maps which can be used in the classroom
- Create your own:
  - Story Map Tour
  - Swipe/ Spy Glass
  - ► Journal
- Stay Connected
- Question & Answer



#### Introductions

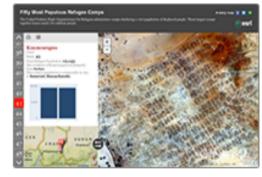
- Are you familiar with the ArcGIS Online Mapping Platform?
- Do you have an ArcGIS Online Public Account?
- Do you have an ArcGIS Online Organization Account for your class?

#### Introducing Story Maps

Story Maps are part of the ArcGIS Online mapping platform. This online platform provides web-based tools to combine an interactive map with text and multimedia elements including video, audio & images to tell a story.



Landsat Series: Human III activities are reshaping



Fifty Most Populous Refugee Camps



IUCN Amazing Species

### Teaching and Learning with GIS

ArcGIS Online in STEMworks on Maui, <u>https://www.youtube.com/embed/3kDHquMNUuA?rel=0</u>



Story Maps in the Classroom encourage higher level thinking

"There's a Story Map for That" GIS - The Essential Common Core Reading Tool By Barbaree Duke http://www.barbareeduke.com/commoncore/



PREPARING AMERICA'S STUDENTS FOR COLLEGE & CAREER

#### Story Map Galleries

Browse publicly shared maps to find maps to support your curriculum and get ideas for your own story maps. No login is required.

Esri curated gallery of some of the best story maps <u>https://storymaps.arcgis.com/en/gallery/#s=0</u>

 ArcGIS Online contains all the Story Maps available, as well as other ArcGIS Online Maps: <u>http://www.arcgis.com/home/gallery.html#c=esri&t=maps&o=modified&f=storymaps</u> An App for Every Story! 11 Story Map Templates

https://storymaps.arcgis.com/en/app-list/

- Sequential, Place-based Narratives
  1. Story Map Tour, 2. Story Map Journal
- Curated Points of Interest 3. Story Map Short List, 4. Story Map Count Down, 5. Story Map Play List
- Present One Map
  6. Story Map Basic
- Present a Series of Maps

7. Story Map Series Tabbed Layout, 8. Bulleted Layout, 9. Accordian Layout

Compare Two Maps 10. Story Map Swipe or 11. Story Map Spy Glass

# Activity: Search Story Map Galleries and Share

- 15 minutes: explore the Story Map and ArcGIS Online map galleries to find Story Maps that you could use with students.
- 15 minutes: gallery walk to see the story maps that others have found.
- Are you on Twitter? If so, please share your favorite Story Map #k12storymap

### Teachers' Top Picks from the Summer ArcGIS Online Workshops

The Real Pirates of the Caribbean http://goo.gl/rwZ4tq

Chicago Here and Now <a href="http://goo.gl/t0nUWk">http://goo.gl/t0nUWk</a>

Bike Friendly Cities http://goo.gl/kmJtKW

Endangered Languages http://goo.gl/v3kw0D Assassination of Abraham Lincoln http://goo.gl/K2rz1f

The World is Full of Circles <u>http://goo.gl/LHAbkz</u>

Dogs - Dangerous Dogs of Minneapolis <u>http://goo.gl/jyiHuo</u>

Zoo Babies http://goo.gl/E2oSvp Elements of a Great Story Map

- 1. Connects with your audience
- 2. Creates interest and emotion
- 3. Includes great maps and great media that supports the story
- 4. A powerful story told simply

### Three Popular Story Map Templates

Story Map Tour

- Story Map Swipe or Spy Glass
- Story Map Journal

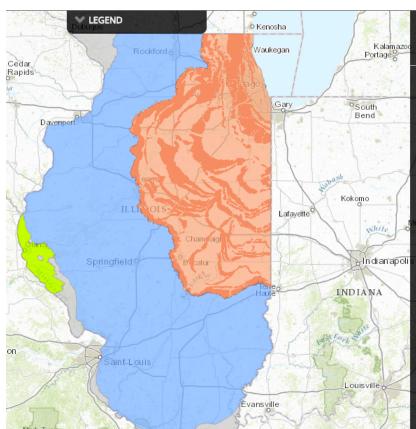
#### Odysseus' Journey Story Map Tour

#### http://arcg.is/1bdnaJx



#### Online Illinois Classroom Atlas Story Map Journal Illinois Geographic Alliance

#### http://goo.gl/sVfwGp



## Online Illinois Classroom Atlas

Thousands of years ago, much of Illinois was covered by glaciers or "rivers of ice." Here is a map of the glacial boundaries that reached into Illinois over different time periods. The orange shade symbolizes the Wisconsinan Glacial Episode, which occurred between 35,000 and 11,000 years ago. The blue shade symbolizes the Illinoisan Glacial Episode, which occurred between 191,000 and 130,000 years ago. The lime color symbolizes the Pre-Illinoisan Glacial Episode, 1.6 million and 300,000 years ago. Glaciation left a permanent impact on the physical landscape that is still evident today in the rich soil types and flat topography. The map names moraines only in the Wisconsinan area because older moraines tend to be mostly absent after so many years of water erosion.

Charleston

### The World in 1812 and 2014 Spy Glass

#### http://arcg.is/1bMSIs5

#### The World in 1812 and 2013

Compare the modern world, as depicted on this National Geographic map, with the world as it was perceived two centuries earlier.

🏟 esri

A story map 🛛 🖌 🎾 🖉

Within the spyglass is a world map drawn in the Mercator projection and published in 1812 by John Pinkerton.

The map was engraved on two sheets and colored by hand. It was part of a "modern atlas, from the latest and best authorities, exhibiting the various divisions of the world, with its chief empires, kingdoms and states". Zoom in to view detail including explorers' routes. Lack of detail in Africa and Australia reflects the poor state of knowledge by Europeans of the time.

The modern map was jointly produced by National Geographic and Esri; this version exists only in digital form.

CUBA

The 1812 map is from the collection of

México Cit



#### Now it's your turn!

Log in to your ArcGIS online account (public or organization) from the Story Map website.

ArcGis Online Free Public Account <u>https://www.arcgis.com/home/createaccount.html</u>

ArcGIS Online Organization (Illinois Ed or school org)

#### What you need to get started

#### An idea

- Intended audience -your class, decision makers or a more public audience
- What media you plan to use and where it will be stored
- One or more web maps
- Story Map template that fits your story

#### Activity: Build a Story Map Tour

Most popular Story Map template

https://storymaps.arcgis.com/en/app-list/map-tour/

You will need images for this Story Map. Feel free to use the geotagged images located in my Flickr account:

- https://www.flickr.com/
- Username is "Room-216"

#### Activity: Build a Story Swipe Map

Before and after images of the OSO mud slide of 2014

- Create Story
- Choose Swipe Map
- Search for "Oso"
- Choose a Layer in Webmap
- Select "Aerial Imagery Oso mud slide"

Compare Tapestry Map & Median Age Create Story

- Create Story
- Choose Swipe Map
- Search for "Tapestry" for 1<sup>st</sup> Map
- Search for a "Median Age" for 2<sup>nd</sup> Map

#### Activity: Build a Story Map Journal

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

You may use images from my Flickr account, or other online source

#### ConnectEd Esri

Visit ConnectEd Esri to Sign up for an ArcGIS Organization Account for your Classroom--free to teachers.

http://www.esri.com/connected/

Illinois K-12 Organization (sample org) https://illinoised.maps.arcgis.com/home/



### Stay Connected!

- GeoNet Join the Illinois Educators Group <u>https://geonet.esri.com/welcome</u>
- Twitter Follow us on Twitter <u>https://twitter.com/Think\_Geo</u>

Email Judy Bock, judy@thinkgeospatial.education or Jenni Dahl, jenni@thinkgeospatial.education

### **Training and Online Resources**

Seminar: Telling your story with Esri Story Maps <a href="http://goo.gl/mph8HV">http://goo.gl/mph8HV</a>

Learn GIS https://learn.arcgis.com/

Teaching with GIS http://goo.gl/cJ78y9

ThinkGeospatial.education <u>http://thinkgeospatial.education</u>

### Q&A