

## GARP 0317: Cookbook 29 October 2012

### *Sandy Day!*

#### Overview

1. Cool Stuff!
2. ArcGIS Online Workshop Tutorials



## **1) Cool Stuff!**

### **Live Hurricane Tracking Websites**

<http://wtkr.com/weather/hurricane-tracker/>

ESRI

<http://www.esri.com/services/disaster-response/hurricanes/latest-news-map>

Google

<http://google.org/crisismap/2012-sandy>

MSNBC

[http://www.msnbc.msn.com/id/26295161?preferredName=Gustav#.UI1UKsXA\\_nh](http://www.msnbc.msn.com/id/26295161?preferredName=Gustav#.UI1UKsXA_nh)

NOAA

<http://www.nhc.noaa.gov/#SANDY>

Or just follow James!

<http://jimmyontheweb.drupalgardens.com/>

### **Mapping Your Roof!**

How about this for an application of GIS and Remote Sensing!

<http://www.eagleview.com/>



### **WorldMap**

Looking for an open-source alternative to ESRI and ArcGIS Online:

Use WorldMap!

<http://worldmap.harvard.edu/>



### **WorldMap Warp**

The tool is for digitally aligning (geo-rectifying) scanned historical maps or aerial photographs to match today's precise base maps.

<http://warp.worldmap.harvard.edu/>

## **2) ArcGIS Online Workshop Tutorials**

The task was to create tutorial for a 90-minute workshop about ArcGIS Online for people with normal levels of computer experience.

Details at [http://www.westfield.ma.edu/uploads/cbraun/garp0317\\_cookbook09192012.pdf](http://www.westfield.ma.edu/uploads/cbraun/garp0317_cookbook09192012.pdf)

### **General Suggestions and Tips**

- Always include your name and contact information – usually on the cover page! That way people know that you created this tutorial and how to contact you afterwards.
- Include the URL for the tutorial on the tutorial.
- Teachers make for the worst students!
- PowerPoint presentations are great, but your students need an actual hand-out that they can work through and take-home afterwards.
- It is usually easier and faster to map, for example, the location of your 6 favorite restaurants in a local area than to map the Seven Wonders of the World.
- It's usually better to have short paragraphs and bulleted/numbered lists than long text paragraphs in your tutorial.
- Consider a 10-minute break after about 45 minutes.
- Start with a table of content (= *what we will cover*) and a demo (see below).  
End with a wrap-up (= *this is what we have covered*).  
Then: look ahead (= *what else can you do with this?*)

***Create a nice blog posting: you just created a great tutorial!***

Advertise it on your blog or website!

### **Accounts**

How do your students get their ESRI accounts?

1. Before they come to your workshop (some will forget...)?
2. At the start of the workshop (are you willing to wait 15 minutes)?
3. Don't use accounts (students cannot save their maps)?
4. You create 20 dummy accounts beforehand?

***Whatever you do...plan ahead!***

### **Formalities**

This should be obvious: no typos, no sloppy formatting, no wasted space, etc.!

- Always include a cover page!
- Always include a table of content.
- Include page numbers, section numbers, and numbered steps so you can tell your students where in the tutorial they can find the information.
- Use annotated screenshots. Even better: number your screenshots!

## **Pedagogy**

### **Start with a Demo!**

That's a good way to get people excited and engaged: show-off ArcGIS Online and what can be done with it – that way your students know what they can expect to learn over the next 90 minutes.

### **Clear and Complete Instructions!**

Anticipate everything...and don't assume anything.

Unless...sometimes a certain amount of confusion can be useful to get people engaged.

Too much confusion, however, leads to frustration and disengagement.

### **Break the Monotony!**

Add a brainstorm session or a think-pair-share activity!

### **Final Product**

Your students create a final product to save, share with others, and continue to use. It is usually best to clearly define the product, otherwise students will waste time stressing about what map to make.

### **Background Material**

You need a bit of background material, history, and theory so that what you are presenting has some broader context and implications. There is no need to overdo that – include links to additional resources and information in your tutorial in case someone is interested (= annotate the sources!).

### **Additional Resources**

You can't cover everything in 90 minutes, so provide 5 to 8 links to additional information and feature of ArcGIS Online. Don't overdo it...a too long list will scare people! Always include a sentence or two about the source so people can evaluate its usefulness.

- Plus: have a short section called **Advanced Tools and Skills**
- That is a good way to get people to go the next step.

### **Other Options**

Include a section with examples of other options for web mapping, such as Google Earth, Social Explorer, or WorldMap – people like to know that they have choices.

### **Note Taking**

If you want your students to take notes, perhaps create a list of places they want to map, consider providing space in your tutorial as empty text boxes or even empty pages at the end – this is also a good way to get even page numbers for efficient double-sided printing.

### **Less is More!**

Limit the material – it's better to cover everything in 60 minutes and have extra time or leave early than to run-out of time at the end and rush through it.

### **Wrap It Up!**

Your last page should be a wrap-up: what did we just cover, why, etc. = the workshop in one page. This is a good place to repeat the URL for the tutorial so people can download it and explore the links without typing.