**Lab 6. Exploring Web Mapping Technologies**

This is an opportunity for you to explore in-depth a current web mapping technology.

**Instructions.**

Each student (pair of students) will be assigned one web mapping technology to research. Through your research you will create a couple of ‘slides’ that explain the major components of the technology.

**List of Web Mapping Technologies**.

***Javascript Libraries***

* Leaflet
* OpenLayers
* D3
* Kartograph
* Polymaps

***Software Platforms***

* Carto
* Tableau
* Shiny from R Studio
* Mango Map

***API (application programming interface)***

* Here
* Google Maps API
* ArcGIS API for JavaScript
* Mapbox API
* OpenStreetMap API

**Questions**.

1. Provide a general overview of the tool.
2. Is there documentation? How much? Can you make sense of it?
3. What type of functionality is included? (refer to list from Wisconsin study)
4. What, if any, programming languages are needed to use?
5. Provide an example of an interactive map using this technology
6. What can ‘mash-up’ with this technology?
7. Try building a web map using the tool – is it feasible with your level of experience? What is the required skill level to use the tool/technology? What are the limitations to this software (as a beginner)?
8. Anything else you feel is important and want to add?

**Deliverables**.

We will start this assignment in class on Tuesday May 15. You should be prepared to present your findings to the class on Tuesday May 22. Your presentation should include slides that address the questions above, including links, and showing at least one example of a web map built using your assigned technology.