Geospatial News is a quarterly newsletter highlighting GIS-related research, teaching, and events at Northwestern University.

**Project Highlights**
Winter quarter spatial analysis will be incorporated into the course on the Chicago Mural Movement being taught by Professor Rebecca Zorach. The course will catalog public art, specifically murals from the Black Arts Movement of the 60s and 70s, around the city of Chicago. Students will use historic data from the National Historical Geographic Information System (NHGIS) to compile maps that examine the historical socio-demographic makeup of these neighborhoods. The course will use data to examine questions regarding race, class, and gentrification in Chicago’s neighborhoods and Mural Movement.

There is a new online exhibit from the Transportation Library called “Lovers of the Open Road and the Flying Wheels.” The project completed by Rachel Cole, Public Services Librarian in the Transportation Library, tells the story of a 1915 road trip by two adventurers from Iowa to the Panama Pacific International Exhibition in San Francisco in a Model T. The project was created using Esri’s ArcGIS Online an online web application that allows anyone to quickly build dynamic and interactive web maps and applications.

**New version of Esri ArcGIS Desktop released**
Esri’s ArcGIS Desktop 10.5 is now available to students, faculty and staff. Version 10.5 replaces 10.3.1 distributed by Northwestern in 2016. The license for version 10.3.1 will expire on February 21, 2017 and the software will cease to function.

- ArcGIS Desktop is made available through the University Libraries and is available to students, faculty and staff at: http://www.it.northwestern.edu/software/arcgis/index.html
- We recommend first uninstalling 10.3.1 then running the .exe file. You will need to maintain an internet connection throughout the process so that the software licenses correctly. The entire process should take less than 30 minutes.

**Training**
NU-affiliated faculty, staff and students are eligible for waiver of fees for Esri self-paced learning modules. Access procedures have been streamlined as follows:

1. Send an email to gis@northwestern.edu requesting an Esri Training Account. Please send us your Northwestern email address which we will use to setup your account.
2. You will receive an email invitation to create an Esri account. Login to your Esri account and navigate to the desired course which will be unlocked and available to you.

**Highlighted training courses:**
- Map Design Fundamentals
  - [https://www.esri.com/training/catalog/57630431851d31e02a43ee5a/map-design-fundamentals/](https://www.esri.com/training/catalog/57630431851d31e02a43ee5a/map-design-fundamentals/)
- Introduction to Regression Analysis Using ArcGIS Pro
  - [https://www.esri.com/training/catalog/57600430861d31e02a43ee0c/introduction-to-regression-analysis-using-arcgis-pro/](https://www.esri.com/training/catalog/57600430861d31e02a43ee0c/introduction-to-regression-analysis-using-arcgis-pro/)

**Data and Cartographic Resources**
- [US Energy Information Administration](https://www.eia.gov/) is a source for independent energy statistics and analysis. You can find each state’s energy profile.
- At the National Renewable Energy Laboratory you can find [Data Visualization and Geospatial Tools](https://www.nrel.gov/) as well as GIS data specific to solar energy using the [National Solar Radiation Database](https://rredc.nrel.gov/solar/)
- [The Humanitarian Data Exchange (HDX)](https://opendata.humdata.org/) is an open platform for sharing data. The goal of HDX is to make humanitarian data easy to find and use for analysis.

**Geographic Trivia**
What is the capital of Australia? Sydney; Canberra; Melbourne; Brisbane

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Trivia Answer: Canberra