

## **Map Projections – Practical Selection and Use with Current Research Directions**

### **Workshop of the International Cartography Association Commission on Map Projections**

**Hosted at AutoCarto 2020, May 19, 2020, Redlands, CA.**

Workshop organizers:

E. Lynn Usery, U.S. Geological Survey ([usery@usgs.gov](mailto:usery@usgs.gov)), Chair Projections Commission  
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#### **Description**

Map projections are a critical part of any map design and creation. The plethora of projections that exist allow a user to select an appropriate map projection to preserve the global characteristics that are critical to the map design. Unfortunately, many users of maps and geospatial information have little understanding of map projection concepts and are not able to determine a correct map projection for the type and purpose of the map being created. This workshop will thus include a brief tutorial on map projection concepts, selection, and use. The tutorial will also include presentation of existing tools to aid in selecting the correct map projection. The workshop will conclude with several presentations of current research in map projections

Prior to the meeting we encourage prospective attendees/participants to examine the agenda and guidelines at the Commission on Map Projections web site, <https://ica-proj.kartografija.hr/>. Participants will have the opportunity to develop papers within this framework for publication by the ICA prior to the International Cartography Conference in Florence, Italy in 2021.

The workshop is open to everyone attending AutoCarto 2020.

#### **Proposed Agenda**

1:00 – 2:30 pm

Tutorial – E. Lynn Usery

1. Overview of map projection concepts
2. Selecting the right projection for the map design
3. Tools to aid in map projection selection
4. Open discussion of map projections, concepts, needs, and use

2:30 – 2:45 pm Break

2:45 – 4:15 pm Presentations

2:45 – 3:15 pm Implementing the “Spilhaus projection,” Bojan Šavrič, David Burrows, Melita Kennedy, Esri, Inc.

3:15 – 3:45 pm Presentation 2

3:45 – 4:15 pm Presentation 3

4:15 – 4:30 pm Open discussion, wrap-up

The format will be lecture style with presentations. Equipment needed includes an Internet connection and a computer projection system.

Anticipated number of attendees, 10 maximum 20.

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