

Metcalf Institute for Marine & Environmental Reporting  
RI NSF Experimental Program to Stimulate Competitive Research

COMMUNICATION WORKSHOPS FOR SCIENTISTS  
**Data Visualization and Scientific Poster Design**

Rhode Island School of Design  
November 13, 2014

**Resources and References**

**Data Visualization**

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<http://flowingdata.com/2010/08/05/new-york-times-on-how-they-design-their-graphics/>

Peek, K. Katie Peek Portfolio. <http://portfolio.katiepeek.com/>  
Katie Peek's (Pop Science Information Editor) portfolio of data visualizations for Popular Science

Poulson, D. (2014, July 16) Upending the basin: Making data dance. Great Lakes Echo.  
<http://greatlakesecho.org/2014/07/16/upending-the-basin-making-data-dance/>  
A journalist's perspective on data visualization.

Smith, J. (2012, June 13) 10 Steps to Designing an Amazing Infographic. Co.DESIGN.  
<http://www.fastcodesign.com/1670019/10-steps-to-designing-an-amazing-infographic>

The Ultimate Guide to Create Your Own Infographic. Piktochart.  
<http://piktochart.com/the-ultimate-guide-to-create-your-own-infographic/>

## Data Visualization Tools

CartoDB. (2014, March 19) Press Release: How can an online mapping tool help us better understand climate change? <http://cartodb.pr.co/72521-how-can-an-online-mapping-tool-help-us-better-understand-climate-change>

“CartoDB responds to White House call to action by creating new grant program to help climate change focused nonprofits.”

Data.gov

<http://www.data.gov/climate/>

“Here you can find data related to climate change that can help inform and prepare America’s communities, businesses, and citizens. Initially, in this pilot phase, you can find data and resources related to coastal flooding and food resilience. Over time, you will be able to find additional data and tools relevant to other important climate-related impacts, including risks to human health, ecosystems, and energy infrastructure.”

## Poster Design

Faulkes, Zen. Better Posters: A resource for improving poster presentations. Retrieved Nov 2014 from <http://betterposters.blogspot.com/>

Erren, T.C. & P.E. Bourne. (2007, May 25) Ten Simple Rules for a Good Poster Presentation. *PLoS Computing Biology* 3(5): e102.

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Everson, K. (2014, March 12) The Scientist’s Guide to Poster Design. Retrieved Nov 2014 from <http://www.kmeverson.org/academic-poster-design.html>

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\* Post your poster on Faculty of 1000 ([posters.f1000.com](http://posters.f1000.com)) to get feedback from experts (F1000 is *The Scientist*’s sister company). More tips at [posters.f1000.com/postertips](http://posters.f1000.com/postertips)

## Local Resources

Brown University Center for Computation and Visualization. <https://www.ccv.brown.edu/>

URI 3D Facility for Biomedical Sciences. <http://web.uri.edu/pharmacy/3d/>

\* Don't forget to use the latest institutional logos/icons for your posters to ensure consistent branding and a professional appearance.

- University of Rhode Island visual standards and logos are available here:  
<http://web.uri.edu/brandlog/about/>
- URI Graduate School of Oceanography logos are available here:  
<http://www.gso.uri.edu/internal/gsographics/>
- Brown University visual identity and graphic standards are available here:  
[http://www.brown.edu/webmaster/visual\\_identity/](http://www.brown.edu/webmaster/visual_identity/)
- Community College of Rhode Island logos and graphic identity standards are here:  
<https://www.ccri.edu/marketing/graphicstandards/logos.html>