

Richard Donohue | *curriculum vitae*

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RESEARCH and INSTRUCTIONAL EXPERIENCE

My scholarship synthesizes the implementation of emerging technical solutions with GIScience and web cartography. I teach interface design to support cartographic interaction, geovisualization, and digital storytelling. Identification and instruction of new geospatial technologies for professional cartographic workflows encompasses data analysis, web map interface design, and the deployment of mobile and desktop maps. I empower students to understand and share their world through the visual representation and experience of spatial information.

CURRENT APPOINTMENTS

2019 – *Present* **Assistant Professor**
Department of Geography, *The University of Kentucky*

EDUCATION

2014 **Doctor of Philosophy** in Geography, Minor in Science and Technology Studies, *The University of Wisconsin–Madison*, Madison, WI.

Dissertation: "Web Mapping with Web Standards: Teaching, Learning, and Using Open Source Web Mapping Technologies"

Dissertation Chair: Robert Roth

2004 **Master of Arts** in Education, *The University of Colorado at Boulder*, Boulder, CO.

2000 **Bachelor of Arts** in Philosophy and Political Science (double major), *Fort Lewis College*, Durango, CO.

INSTRUCTIONAL DESIGN AND TEACHING

Course design, Department of Geography, *The University of Kentucky*

MAP719: *Social Impacts of New Mapping*
MAP698-201: *Final Project Implementation*
MAP698: *Final Project Preparation*
MAP675: *Collaborative Geovisualization*
MAP674: *Spatial Data Analysis and Visualization*
MAP673: *Design for Interactive Web Mapping*

MAP672: *Programming for Web Mapping*

MAP671: *Introduction to New Mapping*

Instructor of Record, Department of Geography, *The University of Kentucky*

2019 Summer	MAP674-210: <i>Spatial Data Analysis and Visualization</i>
2019 Spring	MAP698-201: <i>Final Project Implementation</i>
2019 Spring	MAP693-201: <i>Design for Interactive Web Mapping</i>
2019 Spring	MAP698-201: <i>Final Project Preparation</i>
2019 Spring	MAP719-201: <i>Social Impacts of New Mapping</i>
2018 Fall	MAP674-201: <i>Spatial Data Analysis and Visualization</i>
2018 Fall	MAP673-201: <i>Design for Interactive Web Mapping</i>
2018 Summer	MAP672-210: <i>Programming for Web Mapping</i>
2018 Spring	MAP673-201: <i>Design for Interactive Web Mapping</i>
2018 Spring	MAP673-202: <i>Design for Interactive Web Mapping</i>
2018 Spring	MAP672-201: <i>Programming for Web Mapping</i>
2018 Spring	MAP675-201: <i>Collaborative Geovisualization</i>
2017 Fall	MAP675-201: <i>Collaborative Geovisualization</i>
2017 Fall	MAP673-201: <i>Design for Interactive Web Mapping</i>
2017 Summer	MAP673-220: <i>Design for Interactive Web Mapping</i>
2017 Spring	MAP673-201: <i>Design for Interactive Web Mapping</i>
2017 Spring	MAP672-201: <i>Programming for Web Mapping</i>
2017 Spring	MAP673-202: <i>Design for Interactive Web Mapping</i>
2017 Spring	MAP672-202: <i>Programming for Web Mapping</i>
2016 Fall	MAP672-201: <i>Programming for Web Mapping</i>
2016 Fall	MAP673-201: <i>Design for Interactive Web Mapping</i>
2016 Summer	MAP672-220: <i>Programming for Web Mapping</i>
2016 Summer	MAP673-220: <i>Design for Interactive Web Mapping</i>
2016 Spring	MAP672-201: <i>Programming for Web Mapping</i>
2016 Spring	MAP673-201: <i>Design for Interactive Web Mapping</i>
2016 Spring	MAP672-202: <i>Programming for Web Mapping</i>
2015 Spring	Geo409: <i>Advanced GIS</i>

Instructor of Record, Department of Geography, *The University of Wisconsin-Madison*

2011, Spring Geog378: *Introduction to Geocomputing*

Workshops and Short Courses

- 2018 "Open Data 2018 and Web Mapping." Geospatial Centroid, Colorado State University, Fort Collins, CO (workshop)
- 2017 *Open Source Cartography: A Web Mapping Short Course*. University of Colorado-Boulder

Teaching Assistant, Department of Geography, *The University of Wisconsin-Madison*

- 2013, Spring Lab Instructor, Geog575: *Interactive Cartography & Geovisualization*
- 2012, Fall Lab Instructor, Geog 572: *Graphic Design in Cartography*
- 2012, Spring Lab Instructor, Geog575: *Interactive Cartography & Geovisualization*
- 2011, Fall Teaching Assistant, Geog565: *Undergraduate Research Colloquium*
- 2010, Spring Lab Instructor, Geog676: *Geocomputing*

SERVICE

- 2019 – 2020 Geospatial Technologies Committee, Chair, Department of Geography, University of Kentucky
- 2019 – 2020 External Relations Committee, Department of Geography, University of Kentucky
- 2012–2013 Speakers Committee, Graduate Student Representative, Department of Geography, UW–Madison
- 2008 – 2010 Madison Area Cartographic Design and Debate (MACDAD) Committee Coordinator, Department of Geography, UW-Madison

PUBLICATIONS

- 2019 Bellanam S, RM Eggo, P Gsell, AJ Kucharski, NE Dean, **RG Donohue**, M Zook, J Edmunds, F Odhiambo, IM Longini Jr, M Brissonh, BE Mahon, Ana Maria Henao-Restrepo. "An online decision tree for vaccine efficacy trial design during infectious disease epidemics: The InterVax-Tool." *Elsevier* 37(21): 4376 – 4381.
- 2016 Zook M, A Poortuis, and **RG Donohue**. "Mapping Spaces: Cartographic Representations of Online Data," in *Handbook of Online Research Methods*, second edition.
- 2015 Sack CM, **RG Donohue**, and RE Roth. "Multivariate Choropleth Maps with D3," *Cartographic Perspectives*, 76.
- 2014 Roth, RE, **RG Donohue**, CM Sack, TR Wallace, and TMA Buckingham. "Evaluating Evolving Web Mapping Technologies." *Cartographic Perspectives*.
- 2014 **Donohue RG**, CM Sack, and RE Roth. "Time Series Proportional Symbol Maps with Leaflet and JQuery." *Cartographic Perspectives*, 75.
- 2014 Janicki J, G Guo, M Conway, **RG Donohue**, and RE Roth. "Weevil Viewer: An interactive mapping application for geographic and phenological

- exploration of Wisconsin's primitive weevils." *The Journal of Maps*, 10(2): 289–296.
- 2013 **Donohue RG**, CM Sack, TR Wallace, RE Roth, and TMA Buckingham. "A competitive analysis of open web mapping technologies." In: *Proceedings of the 26th International Cartographic Conference*. Dresden, Germany: August 27.
- 2013 Roth RE, **RG Donohue**, CM Sack, TR Wallace, and TMA Buckingham. "A process for assessing emergent web mapping technologies." In: *Proceedings of the 26th International Cartographic Conference*. Dresden, Germany: August 26.
- 2010 **Donohue RG**. "Denis Wood." In: Barney Warf (ed) *The Encyclopedia of Geography*. Thousand Oaks, CA: SAGE Publications, pp. 3122-3123.
- 2007 Harrower M, **RG Donohue**. "An Interactive Cultural Map of Wisconsin." *Proceedings of the 32nd Annual SSHA Conference*, Chicago, IL. November 15–18.
- 2006 Wolgemuth J, **RG Donohue**. "Toward an inquiry of discomfort guiding transformation in "emancipatory" narrative research." *Qualitative Inquiry*, 12(5): 1012-1021.
- 2006 Crane R, L Pedersen–Gallegos, S Laursen, E Seymour, and **Donohue, RG**. "Schema disjunction among undergraduate women in computer science." *Encyclopedia of Gender and Information Technology*, ed. E. M. Trauth. Hershey, PA, London: Idea Group Reference, pp. 1087–1091.

CONFERENCE PRESENTATIONS

- 2018 Blankenship J (presenter) and **RG Donohue**. "Direct Interaction: Narrative Web Maps and Explicit Bias." *North American Cartographic and Information Society (NACIS) Annual Meeting*. Norfolk, VA.
- 2018 **Donohue RG** (presenter) and M.W. Wilson. "New maps in the new medium: Teaching web cartography for a distributed workforce." Free and Open Source Software for Geospatial (FOSS4G) conference, St. Louis, Missouri.
- 2015 **Donohue RG** (presenter) and M Zook. "The OpenSource Web Mapping Workflow: QGIS, Leaflet and UI/UX." *Kentucky Association of Mapping Professionals 2015 GIS Conference*. Owensboro, KY: October 13.
- 2015 Aileen B, A Robinson, J Kerski, P Drews, **RG Donohue**. (panel discussant), "Geography and Online Education B: What is the status of online geography and geospatial education and its impact on traditional educational offerings?" *2015 Annual Meeting of the Association of American Geographers*. Chicago, IL: April 22.
- 2014 Crampton J, **RG Donohue** (panel discussant), L Mogel, A Robinson, RE Roth, MW Wilson, and M Zook. "Adventures in Online Mapping Education in the 21st Century." *North American Cartographic and Information Society (NACIS) Annual Meeting*. Pittsburg, PA: October 9.
- 2014 Czaplewski J (presenter), **RG Donohue**, and R Mead. "Responsive Interactivity: Toward User-centered Adaptive Map Experiences." *Free and Open Source Software for Geospatial (FOSS4G) North America*. Portland OR: September 11.

- 2013 **Donohue RG** (presenter), A Poorthuis, and Z Johnson. "Bill Bunge, D3.js, and the Future of Critical Cartography." *North American Cartographic and Information Society (NACIS) Annual Meeting*. Greenville, SC: October 11.
- 2013 Sack CS (presenter), **RG Donohue**, RE Roth, TR Wallace, and TMA Buckingham. "Adapting web mapping curriculum to open source technologies." *Free and Open Source Software for Geospatial (FOSS4G) North America*. Minneapolis, MN: May 22.
- 2013 Roth RE, CS Sack (co-presenter), **RG Donohue** (co-presenter), TR Wallace, and TMA Buckingham. "Web mapping technology study update, or what you just learned now is obsolete." UW–Madison Geospatial Alliance Summit. Madison, WI: April 25.
- 2013 Roth RE (presenter), **RG Donohue**, TR Wallace, CS Sack, and TMA Buckingham. "Getting a handle on open source web mapping technologies." *Wisconsin Land Information Association (WLIA) 2013 Annual Conference*. Lake Geneva, WI: February 14.
- 2012 **Donohue RG**, T Wallace, CS Sack, RE Roth, and TMA Buckingham "Keeping Pace with Emerging Web Mapping Technologies." *North American Cartographic and Information Society (NACIS) Annual Meeting*. Portland, OR: October 19.
- 2012 **Donohue RG**. "Renewable Energy Landscapes and the Circulation of Technoscience through Wind Farm Development and Debates." *2012 Annual Meeting of the Association of American Geographers*. New York, NY: February 24.
- 2010 **Donohue RG** (panel discussant). "Geography, Technology and Science." *17th Annual Critical Geography Mini-Conference*. Milwaukee, WI: November 6.
- 2008 **Donohue RG**. "Emerging Technologies in Mapping: Public Participation and Distributed Mapping." *Holtz Center for Science and Technology Studies Brown Bag Series*, UW–Madison, WI.
- 2008 **Donohue RG**. "Digital Mapping Technologies: Implications for Knowledge Spaces." *2008 Meeting of the Association of American Geographers*. Boston, MA.

INVITED TALKS

- 2018 **Donohue RG**.
- 2015 **Donohue RG**. *Geo309: Introduction to GIS*. "The QGIS to Leaflet Web Mapping Workflow" (guest lecture). , *The University of Kentucky*, Lexington, KY: November 6.
- 2015 **Donohue RG**. *Geo222: Cities of the World*. "The Ephemeral and Utopian Experiment: Black Rock City" (guest lecture). *The University of Kentucky*, Lexington, KY: November 3.
- 2015 **Donohue RG**. "The Power of Abstraction: Principles of Cartography" (guest lecture). *Geo109: Digital Mapping*. *The University of Kentucky*, Lexington, KY: October 6.

PREVIOUS APPOINTMENTS

2014 – 2019	Postdoctoral Fellow , <i>New Maps Plus</i> Department of Geography, The <i>University of Kentucky</i>
2016 – 2017	Visiting Scholar , Department of Geography, <i>The University of Colorado at Boulder</i>
2013 – 2014	Website Developer , College of Agriculture and Life Sciences (CALs), Research Division
2013 (summer)	Consultant , Department of Geography, University of Kentucky, <i>Cartographic Curriculum Camp</i> . May 27 – June 4
2010	Project Assistant for GIS Certificate Program, Department of Geography, UW-Madison
2007 – 2010	Webmaster , Department of Geography, UW–Madison
2006 – 2009	Program Evaluator for the Wisconsin Alliance for Minority Participation (WiscAMP), <i>The University of Wisconsin-Madison</i>
2004 – 2006	Research Assistant , Ethnography & Evaluation Research (E&ER), <i>The University of Colorado at Boulder</i>

AWARDS and HONORS

2015	Undergraduate Exceptional Pedagogy Award, Department of Geography, University of Kentucky
2014	Trewartha Travel Award, Department of Geography, UW–Madison
2013	College of Letters and Science TA Exceptional Service award (nominated, Department of Geography, UW-Madison)
2013	Trewartha Travel Award, Department of Geography, UW–Madison
2012	College of Letters and Science TA Exceptional Service award (nominated, Department of Geography, UW-Madison)
2012	Trewartha Travel Award, Department of Geography, UW–Madison
2010	Holtz Center for Science and Technology Studies 2010 Graduate Scholars Summer Fellowship, UW-Madison
2008	Trewartha Travel Award, Department of Geography, UW–Madison
2007	Holtz Center for Science and Technology Studies 2007 Graduate Scholars Summer Fellowship, UW-Madison

CURRENT AFFILIATIONS

North American Cartographic Information Society (NACIS)
The New Mappings Collaboratory, University of Kentucky