

Shannon Dosemagen, CSA Board Responses

What do you feel are the major concerns facing the citizen science community?

I am currently co-chairing the Integrity, Diversity and Equity working group of the CSA and I also co-chair an advisory council at the National Parks Conservation Association centered on how to engage millennials with the National Park System. My experience with these two groups and the work that I'm doing with Public Lab has demonstrated the need for the citizen science community to integrate emerging ideas into the field. Engagement with science and environment is politically necessary and I see challenges in citizen science around being responsive towards the changing ways in which people are interested and able to participate in citizen science related projects. We're moving from an era of volunteerism as civic duty to one in which volunteerism has to be personally fulfilling and meaningful. It's important to push at the boundaries of citizen science to make diversity a core tenant of the community to allow room for people approaching citizen science from different angles the ability to participate. I believe the community needs to broaden considerations around attracting the collaboration and participation of people from other fields (art, technology, design), people of color, and those from underrepresented geographic regions and age groups that may feel isolated by participatory structures currently in place.

What skills and what types of experience would you bring to the CSA board?

I'm the President and Executive Director of Public Laboratory for Open Technology and Science (Public Lab). Since 2010, I've been responsible for organizational growth, building from a single region project run on a Kickstarter campaign to an organization facilitating community researchers worldwide and an annual budget supported by membership, private and government grants and earned revenue. Public Lab lies at the cusp of a number of different fields— citizen/community science, design and technology, environmental justice, civic participation— and we've built a model that focuses on integration of the public throughout the "full data lifecycle" from problem identification to tool development and action based outcomes. My responsibility within the organization is to facilitate and manage our strategic plan and vision across all initiative areas, fundraise and work with the board of directors on organizational oversight. As the person who works both with our board and staff, I have a deep understanding of organizational management from preparing taxes and reading financial statements to implementing strategic plans. Beyond management related tasks, through my work with Public Lab and other organizations (both professionally and voluntarily), my trajectory has been one of building programs that engage people with their environment and communities— whether teaching about declining freshwater resources in the Great Lakes or working with people affected by the oil and gas infrastructure of Louisiana. My skill set ranges from engaged practitioner to executive management.

Shannon Dosemagen

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PROFESSIONAL EXPERIENCE

Public Laboratory for Open Technology and Science
President and Executive Director

New Orleans, Louisiana
May 2010- Present

- Responsible for nonprofit oversight and development, strategic visioning, board development, facilitating multi-sector citizen science and civic technology partnership efforts and financial management.

New Orleans Food and Farm Network
Consultant on FarmCity project

New Orleans, Louisiana
October 2013- July 2014

- Supported the design of a sociotechnical process for urban farmers in New Orleans to have ease of access to the land release process the New Orleans Redevelopment Authority developed post-Katrina for distributing unused land.

Louisiana State University Department of Anthropology and Geography
Community Ethnographer

New Orleans, Louisiana
March 2011- March 2012

- Conducted post-oil spill social and economic impact assessment with residents in Southeast Louisiana.
- Collaborated on final reports directed to the Bureau of Ocean Energy Management, Regulation and Enforcement.

Louisiana Bucket Brigade
Oil Spill Response Director and Member Action Associate

New Orleans, Louisiana
November 2009- July 2011

- Lead on response to the BP oil spill including launching and managing the BP Oil Spill Crisis Map and directing outreach teams across coastal Louisiana to develop resident participation in reporting and monitoring. Responsible for analysis of crisis map data and follow-up interviews with community residents.
- Prior to the oil spill, responsible for organizing efforts with fenceline communities in Louisiana, including training on the use of community air monitoring tools.

University of Wisconsin, Milwaukee
Graduate Teaching Assistant and Project Assistant

Milwaukee, Wisconsin
August 2007-September 2009

- Assisted with New Orleans-based project, *Studies in Urban and Community Design Theory*.
- Teaching Assistant for Introduction to Cultural Anthropology, Museum History and Theory, Museum Curation, Museum Exhibits and Administration and Organization of Museums.

Discovery World at Pier Wisconsin
Freshwater Educator, Membership and Marketing Manager

Milwaukee, Wisconsin
July 2001-February 2007

- Taught freshwater education to elementary-college age students onboard 137' schooner.
- Developed plans, policies and structures surrounding freshwater education programming.
- Designed membership and marketing program for new Discovery World at Pier Wisconsin facility.

SELECTED AWARDS AND FELLOWSHIPS

- 2015-16 Harvard Berkman Center for Internet and Society Fellow
- 2015 Ashoka Fellowship
- 2015 Claneil Foundation Emerging Leaders Fund recipient
- 2015 Rita Allen Foundation—Young Leaders in Science and Social Innovation grant (for Public Lab)
- 2014 Social Venture Network Innovation Award winner
- 2014 John S. and James L. Knight Foundation Knight News Challenge: Health Winner (for Public Lab)
- 2014 Environmental Leadership Program Senior Fellow
- 2013 Buckminster Fuller Institute Challenge Honorable Mention for Public Lab
- 2013 Netexplo 100 award (for Public Lab DIY spectrometer)
- 2012 Loyola University Institute of Environmental Communications Fellow
- 2011 John S. and James L. Knight Foundation Knight News Challenge Winner (for Public Lab)
- 2011 Ars Prix Electronica Runner-Up Digital Communities (for Grassroots Mapping project)

SELECTED VOLUNTEER EXPERIENCE

- National Advisory Council on Environmental Policy and Technology, *Advisory Council member* (2016-present)
- Gathering for Open Science Hardware, *Co-organizer* (2015-present)
- Intel and Pisces Foundation citizen water monitoring council, *Steering Committee member* (2015-present)
- Citizen Science Association, *Co-Chair of Integrity, Diversity and Equity working group* (2015-present), *member of Web and Communications working group* (2013-Present)
- World Economic Forum, Global Agenda Council on Social Media, *Member* (2014-present)
- National Park Conservation Association, Next Generation Advisory Council, *Co-Chair* (2014-present)
- Global Community Monitor, *Advisory Board Member* (2014- present)
- Louisiana Public Health Initiative, Healthy Communities Coalition, *Advisory Board Member as Orleans Parish representative* (2014-present)
- Louisiana Bar Association Technology Committee, *Advisory Board Member* (2013- present)

RECENT SELECTED SIGNIFICANT ACTIVITIES, PRESENTATIONS AND ARTICLES

- (Forthcoming 2016) Blair, D., D'Ignazio, C., Dosemagen, S., Keysar, H. and Mazon, P. *Public Lab: Community-based Approaches to Urban and Environmental Health and Justice*. For Special Issue on Emerging ICT for Citizens' Veillance: Theoretical and Practical Insights in *Science and Engineering Ethics*.
- 2015 Dosemagen, Shannon. Keynote at Bioneers annual conference. October 2015. Marin, CA.
- 2015 Breen, J.; Dosemagen, S.; Warren, J. and Lippincott, M. *Mapping Grassroots: Geodata and the Structure of Community-Led Open Environmental Science*. In *ACME: An International E-Journal for Critical Geographies*, vol. 14(3).
- 2015 Lippincott, Mathew and Dosemagen, Shannon. *The Political Geography of Aerial Imaging*. In *Drones and Aerial Observations: New technologies for property rights, human rights and global development*, a primer by Omidyar Foundation and New America Foundation.
- 2014 Wylie, S.; Jalbert, K.; Dosemagen, S. and Ratto, M. *Institutions for civic technoscience: How critical making is transforming environmental research*. Special Forum Issue on Critical Making in *The Information Society*, vol. 30(2).
- 2014 Dosemagen, Shannon. Keynote at Community Science for Action conference. Nov. 18, 2014. New Orleans, LA.
- 2013 Dosemagen, S., M. Lippincott, L. Barry, D. Blair, J. Breen. *Civic, Citizen, and Grassroots Science: Towards a transformative scientific research model*. Eds. Offenhuber, Dietmar, and Katja Schechtner. *Accountability Technologies - Tools for Asking Hard Questions*. New York: Springer.

EDUCATION

University of Wisconsin, Milwaukee: MS Anthropology--May 2009
MS Certificate, Nonprofit Management--May 2009
MS Certificate, Museum Studies--May 2009
BFA Photography and Anthropology--May 2005