

Sustainable Infrastructures for Life Sciences Communication – A Workshop

Suggested Readings and Viewings

Videos, Webcasts, Websites

C-Span

National Press Club, Government Public Affairs Offices and Transparency
August 12, 2013

Journalists and former government public affairs officials talked about the role of government public affairs offices and whether their roles help or hinder government openness. The panelists responded to questions from members of the audience.

Ciencia Puerto Rico and Social Networking

In this 2013 TEDx Usagrado Corazon talk, Daniel Colón-Ramos, Yale University, challenges us to think about how we are all born scientists. Together with a group of collaborators, he founded [Ciencia Puerto Rico](#), to bring geographically dispersed Puerto Rican scientists together online to communicate, mentor, educate and promote scientific research in Puerto Rico. It is a model that could work well to connect scientists all over the world.

ClimateShift

A compilation of background reading put together by Roundtable member Matthew Nesbit of American University. The focus is on major communication models and approaches to life sciences communication relevant to the [Sustainable Infrastructures for Life Science Communication](#) workshop.

Deep Sea News

A website dedicated to demystifying and humanizing science in an open conversation that instills passion, awe, and responsibility for the oceans.

[Generally Accepted Practices \(GAP\) Studies](#). Published by the USC Annenberg, School of Communication and Journalism, GAP reports provide practitioners with practical information they can use to better manage the communication functions in their organizations; identifies best practices against which they can benchmark their own organizations; and pinpoints trends to be aware of as they plan for tomorrow. In particular, the GAP study provides industry data on budgets, resource allocation, agency relationships, use of social media, reporting relationships and areas of responsibility.

Life Science in Prison

In this 2010 TED talk, Nalini Nadkarni, University of Utah, challenges our perspective on trees and prisons -- she says both can be more dynamic than we think. Through a partnership with the state of Washington, she brings science classes and conservation programs to inmates, with unexpected results. To learn more about the ongoing Sustainability in Prisons Project, visit <http://sustainabilityinprisons.org/>

Public Interfaces of Life Science Roundtable YouTube Channel

Presentations from Roundtable meeting in Washington, DC on June 3-4, 2013

The Science of Science Communication II

Archived webcast, YouTube

The continuing challenges facing scientists, professional communicators, and the interested public as they seek to exchange information about science has resulted in a growing area of research—the science of science communication. Investigators are delving into such issues as the role of social networks in how information is disseminated and received; the formation of beliefs and attitudes leading to decisions and behaviors; and strategies for communicating science in a highly-charged, politicized environment.

Research Publications, News Articles, Conference Proceedings

Andrews, E., et al. (2005). Scientists and Public Outreach: Participation, Motivations, and Impediments. *Journal of Geoscience Education*, 53(3), 281-293. [\[PDF\]](#)

Boesch D. (2013). Science Communication Both an Opportunity and an Obligation. *Scientific American Blogs*. April 30, 2013. Accessed 12/5/2013 [\[Link\]](#)

Brossard, D. and Lewenstein, B. V. (2009). A Critical Appraisal of Models of Public Understanding of Science: Using Practice to Inform Theory. In L. Kahlor & P. Stout (Eds.), *Communicating Science: New Agendas in Communication*, pp. 11-39. New York: Routledge. [\[PDF\]](#)

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Brossard D and Scheufele DA. (2013). Science, New Media, and the Public. *Science* 229 (6115), 40-41 [\[Link\]](#)

Ecklund, E.H., James, S.A., & Lincoln, A.E. (2012). How Academic Biologists and Physicists View Science Outreach. *PLoS ONE* 7(5), e36240. [\[PDF\]](#)

Colon-Ramos, D. (2013) Found in Translation: A Professor Searches for a Public Voice. *The Chronicle of Higher Education*. April 22, 2013. Accessed 12/5/2013 [\[Link\]](#)

Hall, D.M, Silka, L., & Lindenfield, L. (2012). Advancing Science and Improving Quality of Place: Linking Knowledge with Action in Maine's Sustainability Solutions Initiative. *Maine Policy Review* 21.2, 22-29. [\[PDF\]](#)

Harley D. (2013). Scholarly Communication: Cultural Contexts, Evolving Models. *Science*, 342(6154), 80-82. [\[PDF\]](#)

Harley D, Acord SA, Earl-Novell S, Lawrence S, King, CJ. (2010) Final Report: Assessing the Future Landscape of Scholarly communication: An Exploration of Faculty Values and Needs in Seven Disciplines. Center for Studies in Higher Education, UC Berkeley. [\[Link\]](#)

Johnson, D.R., Ecklund, E.H., & Lincoln, A.E. (2013). Narratives of Science Outreach in Elite Contexts of Academic Science. *Science Communication*. [\[PDF\]](#)

Osmond, D.L., et al. (2010). The role of interface organizations in science communication and understanding. *Frontiers in Ecology and the Environment* 8, 306–313. [\[PDF\]](#)

McClain, C. (2013) Lessons from creating an online outreach empire. *Deep Sea News*. October 16, 2013. Accessed 12/5/2013 [\[Link\]](#)

Nadkarni NM. (2004). Not Preaching to the Choir: Communicating the Importance of Forest Conservation to Nontraditional Audiences. *Conservation Biology* 18(3), 602-606 [\[Link\]](#)

Nadkarni NM and Stasch AE. (2012). An analysis of the National Science Foundation's Ecosystems Studies Program and the Broader Impacts requirement. *Frontiers in Ecology and the Environment* 11: 235 [\[PDF\]](#)

Nisbet, M. (2013). The Civic Science Lab: Engaging the Public and Policy Makers. Workshop; University of Maine. [\[Link\]](#)

Pearson, Gwen (2013). Ag Extension, NIFA, the Farm Bill, and You. *Charismatic Minifauna, Wired Science Blog*. November 26, 2013. Accessed 12/5/2013 [\[Link\]](#)

Peters, H.P., Brossard, D., de Cheveigné, S., Dunwoody, S., Kalfass, M., Miller, S., & Tsuchida, S. (2008). Interactions with Mass Media. *Science*, 204-205. [\[PDF\]](#)

Proceedings of the National Academy of Sciences of the United States of America. (2013). The Science of Science Communication. *PNAS* 110 (Supplement 3): 14033-14039 [\[Link\]](#)

Schultz JC and Stemmler JT. (2012) Teaching Future Scientists to Talk. Do Your Job Better column in *The Chronicle of Higher Education*. April 5, 2012. Accessed 12/5/2013 [\[Link\]](#)

Smith B, Baron N, English C, Galindo H, Goldman E, McLeod K, Miner M, Neeley E. (2013) COMPASS: Navigating the Rules of Scientific Engagement. *PLOS Biology, Community Page*. April 30, 2013. Accessed 11/5/2013. [\[Link\]](#)