

Broader Impacts Reference Materials

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- National Science Foundation's [Perspectives on Broader Impacts](#)
- Watts, S.M., M.D. George, and D.J. Levey. 2015. [Achieving Broader Impacts in the National Science Foundation, Division of Environmental Biology](#). *BioScience* **65** (4):397-407.
- Skrip, Megan M. 2015. [Crafting and evaluating Broader Impact activities: a theory-based guide for scientists](#). *Frontiers in Ecology and the Environment* **13**: 273–279.
- Komoroske, L.M., S.O. Hameed, A.I. Szoboszlai, A.J. Newsome, and S.L. Williams. 2015. [A Scientist's Guide to Achieving Broader Impacts through K–12 STEM Collaboration](#). *BioScience* **65** (3): 313-322.
- Clark, G., J. Russell, P. Enyeart, B. Gracia, A. Wessel, I. Jarmoskaite, D. Polioudakis, Y. Stuart, T. Gonzalez, A. MacKrell, S. Rodenbusch, G.M. Stovall, J.T. Beckham, M. Montgomery, T. Tasneem, J. Jones, S. Simmons, S. Roux. 2016. [Science Educational Outreach Programs That Benefit Students and Scientists](#). *PLOS Biology PLoS Biol*, **14** (2).

Resources

- Meadow, Alison M. and Gigi Owen (2021) [Planning and Evaluating the Societal Impacts of Climate Change Research Project: A guidebook for natural and physical scientists looking to make a difference](#).
- Bachleda, A.R. (2020). [Creating a Public Engagement Plan](#).
- Olsen, S. , and Wingerter, N. (2021). [STEM Outreach Collaboration Toolbox. Advancing Research Impacts in Society](#).