

SPEAKER INFORMATION

John Sabo

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John Sabo is a professor in the Department of Coastal and River Science and Engineering in the School of Science and Engineering at Tulane University. He is director of Tulane's ByWater Institute, where transdisciplinary research applies lessons from New Orleans to strengthen water resilience in the Mississippi River Basin and tropical river basins across the developing world.

As a trained river food web ecologist, Sabo has designed and implemented large-scale field experiments to understand the role of aquatic-terrestrial energy flow on terrestrial food web dynamics and the dynamic effects of groundwater on surface water food webs. This research has been published in top journals including Ecology, Ecological Monographs, Ecology Letters, Global Change Biology, Frontiers in Ecology and the Environment, Proceedings of the National Academy of Sciences, and Science.

Research grants for his work have totaled more than \$14 million from the U.S. National Science Foundation, Department of Defense, U.S. Geological Survey, MacArthur Foundation, Cynthia and George Mitchell Family Foundation, Intel Corporation, and Levi Strauss & Co.

Applying his degrees in fisheries from the University of Washington and ecology from the University of California, Berkeley, he develops data-driven methods to better understand how water flow affects freshwater fisheries and river biodiversity. His research focuses on improving the management of basin-scale flows in several rivers, including the Colorado River in Arizona's Grand Canyon, the Mekong River in Southeast Asia, and the Amazon River in South America. He works with international agencies and other groups to develop practical, science-based solutions and tools.

Sabo, an Aldo Leopold Leadership Fellow, leads the ByWater Institute's efforts to connect Tulane's water expertise across disciplines and accelerate research with real-world impact. The institute supports collaborative research and partners with government, industry, nonprofits and international organizations to develop innovative solutions for water resilience.

Sabo is founder and CEO of Future H2O-B, which consults Fortune 500 companies and transboundary river organizations worldwide. It sponsors fellowships in water resources engineering that achieve diversity, equity and inclusion.