

John Sabo

Director at Tulane ByWater Institute; Professor, Department of River-Coastal Science and Engineering, Tulane University

New Orleans, LA, US

Sabo is an expert in river ecology and water resources.

Biography

John Sabo is a professor in the Tulane Department of River-Coastal Science and Engineering. He is also director of the Tulane ByWater Institute, a research institute dedicated to creating transdisciplinary and transformative research that advances resilience of water resources in New Orleans, the Mississippi River Basin and in tropical river basins in the developing world. By training, Sabo is a river food web ecologist and has designed and implemented large-scale field experiments to understand the role of aquatic-terrestrial energy flow on terrestrial food web dynamics as well as the dynamic effects of ground water on surface water food webs. His research has been published in such leading journals as Ecology, Ecological Monographs, Ecology Letters, Global Change Biology, Frontiers in Ecology and the Environment, PNAS, and Science. His work has been supported by over \$14 million in research grants from the National Science Foundation, the U.S. Department of Defense, the U.S. Geological Survey and the MacArthur Foundation, among others. Sabo has developed quantitative, data-driven methods to connect hydrology to freshwater fisheries and aspects of riverine biodiversity. His work is driven by a desire to understand how to better manage basin scale flows in such rivers Colorado River in Arizona's Grand Canyon, the Mekong River in Southeast Asia and the Amazon River in South America. As the ByWater director, Sabo seeks to leverage his training as an Aldo Leopold Leadership Fellow to synthesize and synergize the diversity and depth of Tulane water scholarship. To do this, ByWater sponsors innovative interdisciplinary faculty teams to build research assets that catalyze boundary-crossing water research. ByWater also facilitates the translation of this research into impact via collaboration with a unique set of NGOs, transboundary multilaterals, the Army Corps of Engineers and other similar government organizations, the private sector, venture funds and innovation ecosystems. Sabo is founder and CEO of Future H2O-B, a private sector benefit corporation (B-corps) that serves science to Fortune 500 companies and transboundary river organizations worldwide.

Areas of Expertise

River Food Web Ecology, Fisheries, Freshwater Sustainability, River ecology

Education

University of California, Berkeley

PhD Ecology

University of Washington

Master of Science Fisheries

Accomplishments

Aldo Leopold Leadership Fellow, Earth Leadership Program

The Earth Leadership Program is a program of Future Earth in collaboration with: Stanford Wood Institute for the Environment and the University of Colorado-Boulder.

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