

Current STAC Member Expertise

Expertise		STAC Member	Expertise Description
Agriculture		Craig Beyrouy	Soil chemistry, soil science, soil conservation
		John Bovay	Food and agricultural policy; agricultural economics; human health impacts
		Christopher Brosch	Soil nutrient and water quality science; nutrient management programs
		R. John Dawes	Technical software development; product management; program strategy
		Leon Tillman	Soil conservation, resource planning and management
Economics		Scott Knoche	Environmental and Natural Resource Economics
Environmental Data Analysis		Michael Runge	Baysian and frequentist expertise; decision science; environmental policy decisions
		David Martin	Decision scientist with economic, social, and behavioral research
Estuarine	Living Resources	Matt Baker	Contaminant fate and transport; climate change; carbon dynamics; terrain analysis; hydrography; forest patch mapping/attribution
		Bill Dennison	Marine biology
		Jeni Keisman	Empirical research, model development, and multidisciplinary integration
		Mark Monaco	Estuarine ecology and habitat mapping
		Efeturi Oghenekaro	Nutrient enrichment and pollution controls; Urban Pollution Control and Treatment.
		Joe Reustle	Community/population ecology; chemical ecology; parasite ecology; animal behavior; physical-biological coupling; data visualization
	Physical/Biogeochemical	Kenny Rose	Mathematical modeling of fisheries populations and food web dynamics
		Joe Wood	Water quality; nutrient dynamics; harmful algal blooms and eutrophication; policy
		Celso Ferreira	Estuarine research; environmental justice; urban and wastewater treatment activities
		Carl Friedrichs	Estuarine particle properties and dynamics; estuarine water clarity and quality; modeling
	Larry Sanford	Estuarine hydrodynamic/biogeochemical/ecosystem modeling	
Social Science		Christine Kirchhoff	Climate change adaptation; human dimensions of resilience; actionable knowledge production; water governance
		Ellen Kohl	Human geographer - environmental justice, environmental governance, and intersectionality
		Yusuke Kuwayama	Cost-benefit analysis; modeling environmental decision-making; modeling integrated socio-environmental systems; nonmarket valuation
		Theo Lim	Contaminant fate and transport; urban hydrological modeling; systems modeling and data science
		Leah Palm-Forster	Ecosystem management/marine ecology
		Valerie Were	Social and behavioral science; climate change; runoff
Urban/WWTPs		Charles Bott	Shortcut nitrogen removal; processes for biological treatment intensification; technologies for potable reuse
		Shirley Clark	Impact of stormwater runoff on the physical, chemical and biological quality of surface water bodies
		KC Filippino	Stormwater; land use planning; wastewater; local government influences
		Kathy DeBusk Gee	Mitigating impact of urban and suburban stormwater runoff
		Erin Letavic	Stormwater quality, grant funding, and public outreach
		Weixing Zhu	Ecosystem ecology/urban ecosystems/restoration ecology/invasive plants
Watershed	Hydro/Aquatic	Kathleen Boomer	Ground- and surface-water monitoring/watershed modeling/wetland function
		Ben Hayes	Hyporheic exchange processes and factors controlling water temperature
		Tess Wynn Thompson	Stream/wetland restoration
	Wetlands/Terrestrial	Anthony Buda	Effects of agricultural management, landscape factors and soil characteristics on nutrient fate and transport
		Greg Noe	Effects of sea-level rise and flooding on tidal wetland morphology and ecology
		Denice Wardrop	Freshwater wetlands ecology