

Current STAC Member Expertise			
Expertise	STAC Member	Expertise Description	
Agriculture	Craig Beyrouty	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 Kirchoff	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
		Amir Sharifi	TMDLs, water quality standards/modeling, bacterial source tracking, NPS pollution, hydrologic modeling, spatial analysis
	Wetlands/Terrestrial	Tess Wynn Thompson	Stream/wetland restoration
		Anthony Buda	Effects of agricultural management, landscape factors and soil characteristics on nutrient fate and transport
		Jason Hubbard	Hydrology, watershed management, water quality, biogeochemistry, watershed modeling, climate, land use
		Greg Noe	Effects of sea-level rise and flooding on tidal wetland morphology and ecology
Denice Wardrop	Freshwater wetlands ecology		