

Current STAC Member Expertise September 2019								
Expertise		Expertise Description	STAC Member	Affiliation	Term Expires	Notes		
Agriculture	Agricultural/watershed/water quality modeling Agricultural and biological engineering/hydrology/watershed management/watershed modeling Biological systems engineering/BMPs/TMDL development/watershed modeling/watershed management Soil nutrient and water quality science, nutrient management programs Soil chemistry, soil science, soil conservation Biological systems engineering/watershed modeling/BMPs		Adel Shirmohammadi	UMD	2nd, Sep 2021	DE Governorial appointee MD Governorial appointee; alternate is Adel Shirmohammadi		
			Amy Collick	UMES	2nd, Sep 2023			
			Brian Benham	VT	2nd, Executive Service, Sep 2021			
			Christopher Brosch	Del Dept of Ag	Ongoing			
			Craig Beyrouly	UMD	Ongoing			
			Jeremy Testa	UMCES-CBL	1st, Sep 2023			
Economics	Agricultural economics/natural resource economics/optimization Environmental economics		Kurt Stephenson	VT	2nd, Jun 2021			
			Leonard Shabman	Resources for the Future	1st, Sep 2023			
Environmental Data Analysis	Bayesian and frequentist expertise; decision science; environmental policy decisions water/ecosystem policy; evaluate and assess statistical models, monitoring designs/strategies, risk/uncertain		Michael Runge	USGS (PAX)	1st, December 2022	Federal appointee		
			Eric Smith	VT	1st, Mar 2023			
Estuarine	Living Resources	Marine biology Ocean science education (COSEE), communicating ocean science to informal audiences (COSIA), zooplankton research Estuarine ecology and habitat mapping Estuarine ecology/fisheries/habitat/ecosystem (i.e., living resources) modeling, and population assessment of fished species Mathematical modeling of fisheries populations and food web dynamics Effects of sea-level rise and flooding on tidal wetland morphology and ecology Estuarine hydrodynamic/biogeochemical/ecosystem modeling	Bill Dennison	UMCES-IAN	Ongoing	MD Governorial appointee		
			Deirdre Gibson	VIMS	1st, Sep 2023			
			Mark Monaco	NOAA	1st, Dec 2019	Federal appointee		
	Physical/Biogeochemical		Thomas Ihde	MSU-PEARL	2nd, Sep 2021			
			Kenny Rose	UMCES-HPL	1st, Dec 2022			
			Greg Noe	USGS	1st, Dec, 2022	Federal appointee		
			Larry Sanford	UMCES-HPL	1st, Dec 2022			
Social Science	Civic issues/involvement Ecosystem management/marine ecology Environmental and natural resource law Policy and technical issues in water quality programs Geography, conservation efforts, enhancing collaboration		Alix Dowling Fink	Longwood U	2nd, Sep 2021	VA Governorial appointee Federal appointee		
			Leah Palm-Forster	Univ. of Delaware	1st, Sep 2023			
			Lara Fowler	PSU	Sep-22			
			Ellen Gillinsky	Ellen Gillinsky LLC	Ongoing			
			Martin Lowenfish	USDA-NRCS	1st, Sep 2020			
Toxic Contaminants and CECs	Fate and transport of emerging contaminants in natural and engineered systems		Lee Blaney	UMBC	1st, Dec 2022			
Urban/WWTPs	Environmental engineering/community outreach Environmental/wastewater engineering, fate and transport of emerging contaminants in natural and engineered systems Environmental policy/stream and wetland restoration/WWTPs Ecosystem ecology/urban ecosystems/restoration ecology/invasive plants		Chanceé Lundy	Nspiregreen, LLC	Ongoing	DC Mayoral appointee		
			Jay Stauffer	PSU	1st, Sep 2023			
			Hamid Karimi	DOEE	Ongoing	DC Mayoral appointee		
			Weixing Zhu	Binghamton U	Ongoing	NY Governorial appointee, alternate is Katherine Bunting-Howarth		
Watershed	Hydro/Aquatic	Urban hydrology/fluvial geomorphology Hydrogeology, biogeochemistry, isotopic tracing, nutrients Ground- and surface-water monitoring/watershed modeling/wetland function Stream/wetland restoration Climate change/watershed management Hydrology/watershed modeling Freshwater wetlands ecology Hydrology, watershed management, water quality, biogeochemistry, watershed modeling, climate, land use Wetlands ecology/natural resource law and policy effects of agricultural management, landscape factors and soil characteristics on nutrient fate and transport	Andrew Miller	UMBC	2nd, Executive Service, Sep 2023	Current Chair		
			John Karl (JK) Bohike	Emeritus USGS	1st, Sep 2020			
			Kathleen Boomer	FFAR - Foundation for Food ar	2nd, Sep 2021	Current Vice Chair		
			Tess Wynn Thompson	VT	1st, Sep 2021			
			Tom Johnson	EPA	1st, Dec 2021	Federal appointee		
	Zachary Easton		VT	2nd, Mar 2023				
	Wetlands/Terrestrial				Danice Wardrop	PSU	Ongoing	PA Governorial appointee, Past Chair
					Jason Hubbart	WVU	Ongoing	WV Governorial appointee, alternate is Elliott Kellner (WVU)
					Kirk Havens	VIMS	Ongoing	VA Governorial appointee, Past Chair
					Anthony Buda	USDA-ARS	1st, Dec 2022	Federal appointee