

Current STAC Member Expertise 2021						
Expertise	Expertise Description	STAC Member	Affiliation	Term Expires	Notes	
Economics	Agricultural economics/natural resource economics/optimization	Kurt Stephenson	VT	2nd, Jun 2021		
	Environmental economics	Leonard Shabman	Resources for the Future	1st, Sep 2023		
Environmental Data Analysis	Baysian and frequentist expertise; decision science; environmental policy decisions water/ecosystem policy; evaluate and assess statistical models, monitoring designs/strategies, risk/uncertain	Michael Runge Eric Smith	USGS (PAX) VT	1st, December 2022 1st, Mar 2023	Federal appointee	
Estuarine	Living Resources	Marine biology	Bill Dennison	UMCES-IAN	Ongoing	MD Governorial appointee
		Ocean science education (COSEE), communicating ocean science to informal audiences (COSIA), zooplankton research	Deidre Gibson	VIMS	1st, Sep 2023	
		Estuarine ecology and habitat mapping	Mark Monaco	NOAA	2nd, Dec 2023	Federal appointee
	Physical/Biogeochemical	Estuarine ecology/fisheries/habitat/ecosystem (i.e., living resources) modeling, and population assessment of fished species	Thomas Ihde	MSU-PEARL	2nd, Sep 2021	
		Mathematical modeling of fisheries populations and food web dynamics	Kenny Rose	UMCES-HPL	1st, Dec 2022	
	Estuarine hydrodynamic/biogeochemical/ecosystem modeling	Larry Sanford	UMCES-HPL	1st, Dec 2022		
	coastal marine ecology; eutrophication, nutrient cycling, DO dynamics	Jeremy Testa	UMCES-CBL	1st, Sept 2023		
Social Science	Civic issues/involvement	Alix Dowling Fink	Longwood U	2nd, Sep 2021		
	Ecosystem management/marine ecology	Leah Palm-Forster	Univ. of Delaware	1st, Sep 2023		
	Environmental and natural resource law	Lara Fowler	PSU	Sep-22		
	Policy and technical issues in water quality programs	Ellen Gillinsky	Ellen Gillinsky LLC	Ongoing	VA Governorial appointee	
	Geography, conservation efforts, enhancing collaboration	Martin Lowenfish	USDA-NRCS	stepped down	Federal appointee	
Toxic Contaminants and CECs	Fate and transport of emerging contaminants in natural and engineered systems	Lee Blaney	UMBC	1st, Dec 2022		
Urban/WWTPs	Environmental/wastewater engineering, fate and transport of emerging contaminants in natural and engineered systems	Chanceé Lundy	Nspiregreen, LLC	Ongoing	DC Mayoral appointee	
	Environmental policy/stream and wetland restoration/WWTPs	Jay Stauffer	PSU	1st, Sep 2023	DC Mayoral appointee	
	Ecosystem ecology/urban ecosystems/restoration ecology/invasive plants	Hamid Karimi	DOEE	Ongoing	NY Governorial appointee, alternate is Katherine Bunting-Howarth	
		Weixing Zhu	Binghamton U	Ongoing		
Watershed	Hydro/Aquatic	Urban hydrology/fluvial geomorphology	Andrew Miller	UMBC	2nd, Executive Service, Sep 2023	Current Chair
		Hydrogeology, biogeochemistry, isotopic tracing, nutrients	John Karl (JK) Bohlike	Emeritus USGS	1st, Sep 2020	
		Ground- and surface-water monitoring/watershed modeling/wetland function	Kathleen Boomer	FFAR - Foundation for Food ar Through Exec Service, Sept 2025		Current Vice Chair
		Stream/wetland restoration	Tess Wynn Thompson	VT	1st, Sep 2021	
		Climate change/watershed management	Tom Johnson	EPA	1st, Dec 2021	Federal appointee
	Wetlands/Terrestrial	Hydrology, watershed management, water quality, biogeochemistry, watershed modeling, climate, land use	Zachary Easton	VT	2nd, Mar 2023	
		Freshwater wetlands ecology	Denica Wardrop	PSU	Ongoing	Exec Secretary
		Wetlands ecology/natural resource law and policy	Jason Hubbard	WVU	Ongoing	WV Governorial appointee, alternate is Elliott Kellner (WVU)
		Effects of sea-level rise and flooding on tidal wetland morphology and ecology	Kirk Havens	VIMS	Ongoing	VA Governorial appointee, Past Chair
		effects of agricultural management, landscape factors and soil characteristics on nutrient fate and transport	Greg Noe	USGS	1st Dec, 2022	Federal appointee
		Anthony Buda	USDA-ARS	1st, Dec 2022	Federal appointee	
Agriculture	Agricultural/watershed/water quality modeling	Adel Shirmohammadi	UMD	2nd, Sep 2021		
	Agricultural and biological engineering/hydrology/watershed management/watershed modeling	Amy Collick	UMES	2nd, Sep 2023	May need to replace her, as she is now at an institution out west	
	Biological systems engineering/BMPs/TMDL development/watershed modeling/watershed management	Brian Benham	VT	2nd, Executive Service, Sep 2021		
	Soil nutrient and water quality science, nutrient management programs	Christopher Brosch	Del Dept of Ag	Ongoing	DE Governorial appointee	
	Soil chemistry, soil science, soil conservation	Craig Beyroudy	UMD	Ongoing	MD Governorial appointee; alternate is Adel Shirmohammadi	

PA Governorial appointee  
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