

Current STAC Member Expertise April 2023

Expertise		Expertise Description	STAC Member	Affiliation	Term Expires	Notes
Economics		Environmental and natural resource economics	Scott Knoche	Morgan State	1st, Mar 2026	
		Environmental economics	Leonard Shabman	Resources for the Future	1st, Sep 2023	
		Valuation of ecosystem services and environmental policy design	Catherine Kling	Cornell	1st, Mar 2026	
Environmental Data Analysis		Baysian and frequentist expertise; decision science; environmental policy decisions	Michael Runge	USGS (PAX)	2nd, Dec 2026	Federal appointee
		Decision scientist with economic, social, and behavioral research	David Martin	The Nature Conservancy	1st, Mar 2026	
Estuarine	Living Resources	Marine biology	Bill Dennison	UMCES-IAN	Ongoing	MD Governorial appointee
		Empirical research, model development, and multidisciplinary integration	Jeni Keisman	USGS	1st, Mar 2026	
		Nutrient enrichment and pollution controls; Urban pollution control and treatment	Efeturi Oghenekaro	DOEE	1st, Mar 2026	
		Estuarine ecology and habitat mapping	Mark Monaco	NOAA	2nd, Dec 2023	Federal appointee
	Physical/Biogeochemical	Mathematical modeling of fisheries populations and food web dynamics	Kenny Rose	UMCES-HPL	2st, Dec 2026	
		Estuarine hydrodynamic/biogeochemical/ecosystem modeling	Larry Sanford	UMCES-HPL	ES, Sep 2027	Current Vice Chair
		activities	Celso Ferreira	George Mason University	1st, Mar 2026	
		coastal marine ecology; eutrophication, nutrient cycling, DO dynamics	Jeremy Testa	UMCES-CBL	1st, Sep 2023	
Social Science		Ecosystem management; marine ecology	Leah Palm-Forster	Univ. of Delaware	1st, Sep 2023	
		Human geographer - environmental justice, environmental governance, and intersectionality	Ellen Kohl	St. Mary's College	1st, Mar 2026	
		Environmental and natural resource law	Lara Fowler	PSU	2nd, Sep 2023	
		Policy and technical issues in water quality programs	Ellen Gillinsky	Ellen Gillinsky LLC	Ongoing	VA Governorial appointee
Urban/WWTPs		Environmental/wastewater engineering; fate and transport of emerging contaminants in natural and engineered systems	Jay Stauffer	PSU	1st, Sep 2023	
		Stormwater quality; grant funding; public outreach	Erin Letavic	HRG inc	Ongoing	PA Governorial appointee, alternate is Ben
		Environmental policy; stream and wetland restoration; WWTPs	Hamid Karimi	DOEE	Ongoing	DC Mayoral appointee
		Ecosystem ecology; urban ecosystems; restoration ecology; invasive plants	Weixing Zhu	Binghamton U	Ongoing	NY Governorial appointee, alternate is Katherine Bunting-Howarth
		Impact of stormwater runoff on the physical, chemical and biological quality of surface water bodies	Shirley Clark	PSU	Ongoing	PA Governorial appointee, alternate is Ben Hayes
Watershed	Hydro/Aquatic	Urban hydrology; fluvial geomorphology	Andrew Miller	UMBC	2nd, Sep 2023	
		Ground- and surface-water monitoring; watershed modeling; wetland function	Kathleen Boomer	FFAR - Foundation for	ES, Sep 2025	Current Chair
		Hyporheic exchange processes and factors controlling water temperature	Ben Hayes	Bucknell University	Ongoing	PA Governorial alternate
		Stream/wetland restoration	Tess Thompson	VT	2nd, Sep 2025	
	Wetlands/Terrestrial	Freshwater wetlands ecology	Denice Wardrop	PSU	Ongoing	Exec Secretary
		Hydrology; watershed management; water quality; biogeochemistry; watershed modeling; climate; land use	Jason Hubbart	WVU	Ongoing	WV Governorial appointee
		Wetlands ecology; natural resource law and policy	Kirk Havens	VIMS	Ongoing	VA Governorial appointee
		Effects of sea-level rise and flooding on tidal wetland morphology and ecology	Greg Noe	USGS	2nd, Dec 2026	Federal appointee
		Effects of agricultural management, landscape factors and soil characteristics on nutrient fate and transport	Anthony Buda	USDA-ARS	2nd, Dec 2026	Federal appointee
Agriculture		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 Beyrouy	UMD	Ongoing	MD Governorial appointee
		Soil conservation; resource planning and management	Leon Tillman	USDA-NRCS	1st, Sep 2025	Federal Appointee

ES - through executive service