

Existing STAC Member Expertise

Category	Expertise Description	Name	Affiliation	Term Expires	Notes
Agriculture	Agricultural/watershed/water quality modeling	Adel Shirmohammadi	UMD	2nd, Sep 2021	
	Agricultural and biological engineering/hydrology/watershed management/watershed modeling	Amy Collick	UMES	1st, Sep 2019	
	Biological systems engineering/BMPs/TMDL development/watershed modeling/watershed management	Brian Benham	VT	2nd, Executive Service, Sep 2021	Current Chair
	Soil nutrient and water quality science, nutrient management programs	Christopher Brosch	Del Dept of Ag	Ongoing	Gubernatorial appointee
	Soil chemistry, soil science, soil conservation	Craig Beyroudy	UMD	Ongoing	Gubernatorial appointee; alternate is Adel Shirmohammadi
Economics	Biological systems engineering/watershed modeling/BMPs	Gene Yagow	Retired (VT)	2nd, Sep 2019	
	Agricultural economics/natural resource economics/optimization	Kurt Stephenson	VT	2nd, Jun 2021	
Environmental Data Analysis	Environmental economics	Lisa Wainger	UMCES-CBL	2nd, Executive Service, Sep 2019	Current Past Chair
	Agricultural policy/water quality economics	Marc Ribauda	Retired (USDA-EF)	1st, Dec 2021	Became At-large appointee in Dec 2017
Estuarine - Living Resources	Marine biology	Bill Dennison	UMCES-IAN	Ongoing	Gubernatorial appointee
	Estuarine ecology and habitat mapping	Mark Monaco	NOAA	1st, Dec 2019	Federal appointee
	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 - Physical/Biogeochemical	Marine biogeochemistry/coastal carbon cycle	Maria Herrmann	PSU	Ongoing	Gubernatorial appointee, alternate is Ray Najjar
	Estuarine hydrodynamic/biogeochemical/ecosystem modeling	Larry Sanford	UMCES-HPL	1st, Dec 2022	
Social Science	Civic issues/involvement	Alix Dowling Fink	Longwood U	2nd, Sep 2021	
	Ecosystem management/marine ecology	Carl Hershner	VIMS	2nd, Sep 2019	Past Chair
	Social science	Joshua Behr	ODU	Ongoing	Gubernatorial appointee
	Environmental and natural resource law	Lara Fowler	PSU	1st, Sep 2018	
	Geography, conservation efforts, enhancing collaboration	Martin Lowenfish	USDA-NRCS	1st, Sep 2020	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 engineering/community outreach	Chanceé Lundy	nspiregreen	Ongoing	Mayoral appointee
	Environmental/wastewater engineering, fate and transport of emerging contaminants in natural and engineered systems	Charles Bott	HRSD	2nd, Sep 2019	
	Environmental policy/stream and wetland restoration/WWTPs	Hamid Karimi	DOEE	Ongoing	Mayoral appointee
	Ecosystem ecology/urban ecosystems/restoration ecology/invasive plants	Weixing Zhu	Binghamton U	Ongoing	Gubernatorial appointee, alternate is Katherine Bunting-Howarth
Watershed - Hydro/Aquatic	Urban hydrology/fluvial geomorphology	Andrew Miller	UMBC	2nd, Executive Service, Sep 2023	Current Vice Chair
	Hydrogeology, biogeochemistry, isotopic tracing, nutrients	John Karl (JK) Bohlke	USGS	1st, Sep 2020	
	Ground- and surface-water monitoring/watershed modeling/wetland function	Kathleen Boomer	Nature Conservan	2nd, Sep 2021	
	Stream/wetland restoration	Tess Wynn Thompson	VT	1st, Sep 2021	
	Climate change/watershed management	Tom Johnson	EPA	1st, Dec 2021	Federal appointee
	Hydrology/watershed modeling	Zachary Easton	VT	1st, Mar 2019	
Watershed - Wetlands/Terrestrial	Freshwater wetlands ecology	Denice Wardrop	PSU	Ongoing	Gubernatorial appointee, Past Chair
	Hydrology, watershed management, water quality, biogeochemistry, watershed modeling, climate, land use	Jason Hubbart	WVU	Ongoing	Gubernatorial appointee, alternate is Louis McDonald
	Wetlands ecology/natural resource law and policy	Kirk Havens	VIMS	Ongoing	Gubernatorial appointee, Past Chair
Alternates	Agriculture	Louis McDonald	WVU	Ongoing (Alternate)	Alternate for Jason Hubbart
	Estuarine - Physical/Chemical	Raymond Najjar	PSU	Ongoing (Alternate)	Alternate for Maria Herrmann
	Social Science	Katherine Bunting-Howar	Cornell	Ongoing (Alternate)	Alternate for Weixing Zhu