

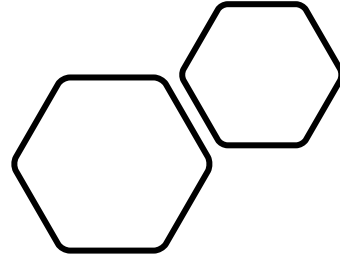
Pooled Monitoring Forum: Restoration Research to make Science and Regulatory Connections

Wednesday, June 16, 2021, from 9 AM to 5 PM



Zoom/tech leads are Whitney Vong and Kathy Somoza (wvong@cbtrust.org and ksomoza@cbtrust.org)

Morning Session

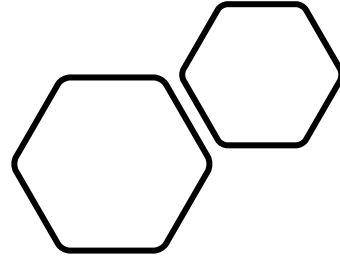


- **Welcome, charge for the day, and Pooled Monitoring Program overview, Sadie Drescher**
Director of Restoration Programs, Chesapeake Bay Trust
- **Lee Currey**, Director of the Water and Science Administration, Maryland Department of the Environment (MDE) – Opening remarks for state priorities and how research has been used to guide policy

Pooled Monitoring Forum Agenda

9 to 9:45 am	Morning Session with <u>opening remarks</u> from Lee Currey , Director of the Water and Science Administration, MDE
9:45 to 10:30 am	Arthur Parola (University of Louisville Research Foundation, Inc.), Keith Eshleman (University of Maryland Center for Environmental Science), and Sujay Kaushal (University of Maryland College Park)
10:30 to 11:45 am	Jamie Suski (EA Engineering, Science, and Technology, Inc., PBC), Mohammad Al-Smadi (Virginia Polytechnic Institute and State University), and Cindy Palinkas (University of Maryland Center for Environmental Science)
11:45 am to 12:20 pm	Karen Dinicola, LG, LHG, EIT , Senior Policy Lead, Ecology Water Quality Program HQ (Lead for Washington State's Pooled Resources program) "Pooled Stormwater Monitoring"
12:20 to 1 pm	Lunch Break
1 to 3:30 pm	Sujay Kaushal (University of Maryland College Park), Deb Caraco (Center for Watershed Protection, Inc.), Theresa Thompson (Virginia Polytechnic Institute and State University), Tom Jordan (Smithsonian Environmental Research Center) in coordination with and for the awardee, Arundel Rivers Federation, Byron Madigan (Carroll County Government), and Vanessa Beauchamp and Joel Moore (Towson University)
	<u>What are your top restoration questions?</u> Let's see what research questions rise to the top for next year's Request for Proposals.

Meeting Materials



- Agenda is at: [Pooled Monitoring Forum: Restoration Research to make Science and Regulatory Connections - Google Docs](#)
- Registration list: [Attendance List- Pooled Monitoring \(June 16, 2021\) - Google Sheets](#)
- This meeting is being recorded and both the recording and presentations will be posted on the Pooled Monitoring Initiative website after the meeting at:
<https://cbtrust.org/grants/restoration-research/>

Pooled Monitoring Program - Science answers key restoration questions

- ▶ Desire to support the best, most cost-effective practices at the most optimal sites, but differences of opinion sometimes exist, and questions about the performance and function of some of these practices persist
- ▶ Pool resources to answer restoration questions posed by regulatory community & practitioners
- ▶ Increase power, objectiveness, and ability to know what works
- ▶ Bring science back to those that can use the research/data
- ▶ <https://cbtrust.org/grants/restoration-research/>

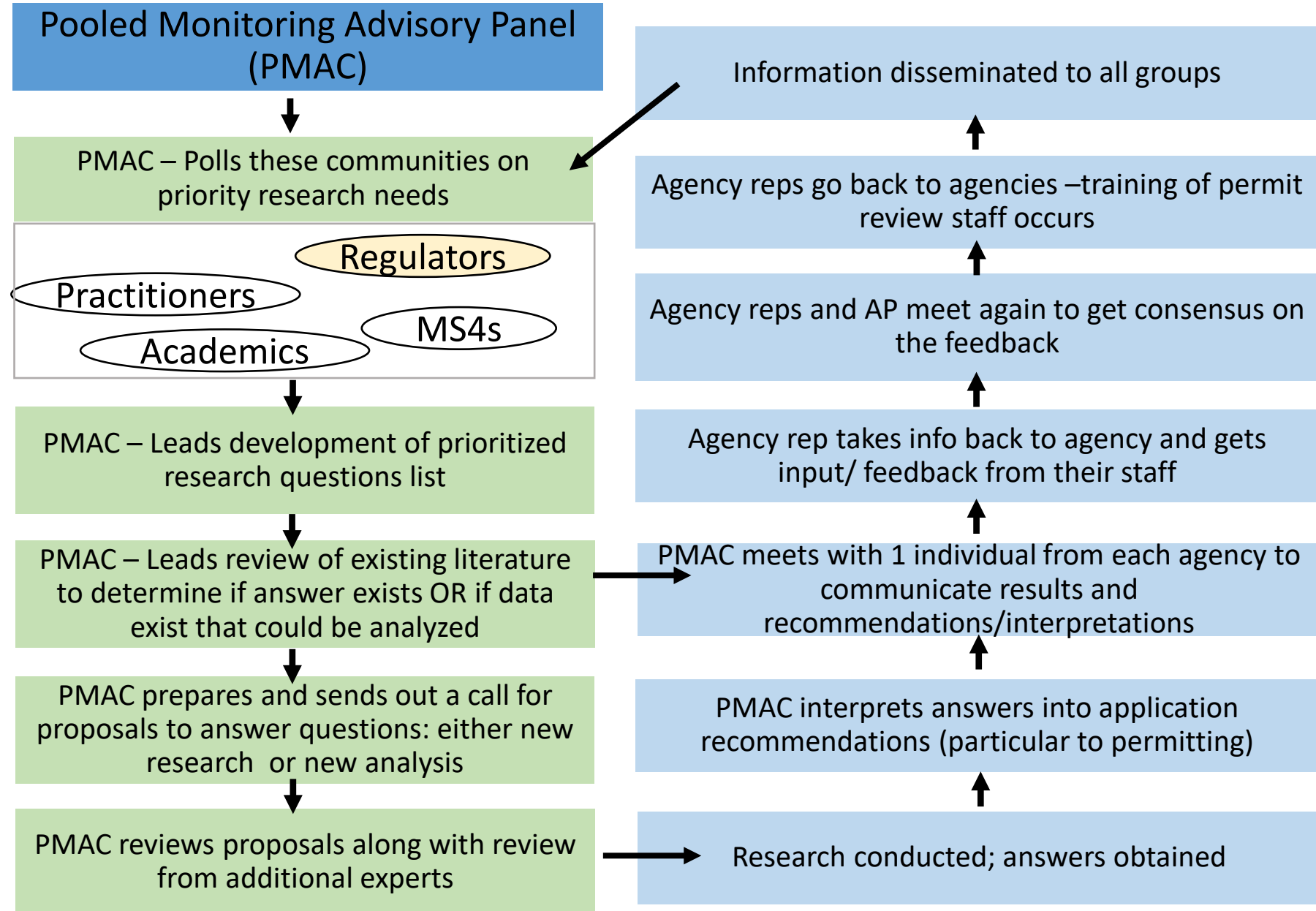


Kelsey Wood (UMD) measuring groundwater for "Tree Trade-Offs in Stream Restoration Projects: Impact on Riparian Groundwater Quality" project (PI is Sujay Kaushal)



Process is Inclusive and Transparent

This is how the Pooled Monitoring Initiative works - integrating key partners, stakeholders, users, scientists, etc. throughout the process to share information and guide the feedback loop



Pooled Monitoring Initiative Provides Solutions

- ▶ Regulators prioritize their concerns with input from practitioners
- ▶ Funders “pool” resources
- ▶ Top restoration questions issued in the Restoration Research Request for Proposals (RFP) in FY15 administered by the Chesapeake Bay Trust
- ▶ Scientific teams research these questions and deliver answers back to the regulators
- ▶ RFP open to any organization – looking for best groups to answer your questions
- ▶ Results used in decisions, policy, practices, etc.



Claire Welty (UMBC)
quantifying the cumulative
effects of stream restoration
and environmental site design
on nitrate loads in nested
urban watersheds using a
high-frequency sensor
network (Baltimore County,
MD)

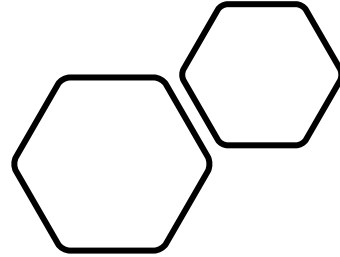
Restoration Research Award Program

- ▶ Supported 32 projects since FY 15 at ~\$6M
- ▶ Guided by the Pooled Monitoring Advisory Committee
- ▶ Uses scientific reviewers across the world to vet applications
- ▶ Runs all applications through a “management review”
- ▶ Projects are managed as contracts
- ▶ Questions are cycled off/on the RFP each year
- ▶ All awards, progress, and program products are online at: <https://cbtrust.org/grants/restoration-research/>



Monitoring stream banks in Carroll County, MD, to see if they recover after restoration

Morning Session



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Lee Currey, Director of the Water and Science Administration, Maryland Department of the Environment (MDE) – Opening remarks for the Pooled Monitoring Initiative's Forum 2021