

Leveraging Artificial Intelligence and Machine Learning to Advance Chesapeake Bay Research and Management



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Leveraging artificial intelligence and machine learning to advance Chesapeake Bay research and management: A review of status, challenges, and opportunities

February 24-25th, 2025 | 9 am to 4 pm EST

You are invited to a workshop aimed at exploring the potential of artificial intelligence (AI) and machine learning (ML) in advancing Chesapeake Bay restoration efforts. Over the past decade, AI and ML tools have emerged as innovative methods for analyzing complex environmental data. This workshop will focus on synthesizing current applications of AI/ML in the Bay ecosystem, identifying challenges, and developing strategies to better harness these technologies for ecosystem management and policy implementation.

Join the [Scientific and Technical Advisory Committee](#) (STAC) for a two-day workshop, bringing together federal, state, and academic partners. Attendees will delve into the opportunities AI and ML offer for analyzing large-scale environmental data, identifying research needs, and improving coordination within the Chesapeake Bay Program partnership. This collaborative workshop aims to enhance data-driven approaches to support Chesapeake Bay restoration goals, ensuring more effective and informed management practices.

This workshop is currently planned to be in-person with a virtual option; participation attendance is through invitation or STAC membership.

For more information, please contact Meg Cole, STAC Coordinator,
at colem@chesapeake.org.

