

University of Maryland, Baltimore County MOU





SSRF

This approach calls to identify opportunities with science providers, including the academic community, to align efforts or resources to address CBP science gaps



CBP DEIJ Implementation Plan

**“leverage formal agreements
and partnerships to
strengthen staff and student
connection to the
Chesapeake Bay”**

Advance USGS and EPA science and provide student's opportunities in ENVR field

USGS and the EPA has signed Memorandum of Understanding (MOU) with UMBC to enhance research, teaching, outreach, and career development.



MOU Objectives

Promote student recruitment, internships, employment

Enhance professional development

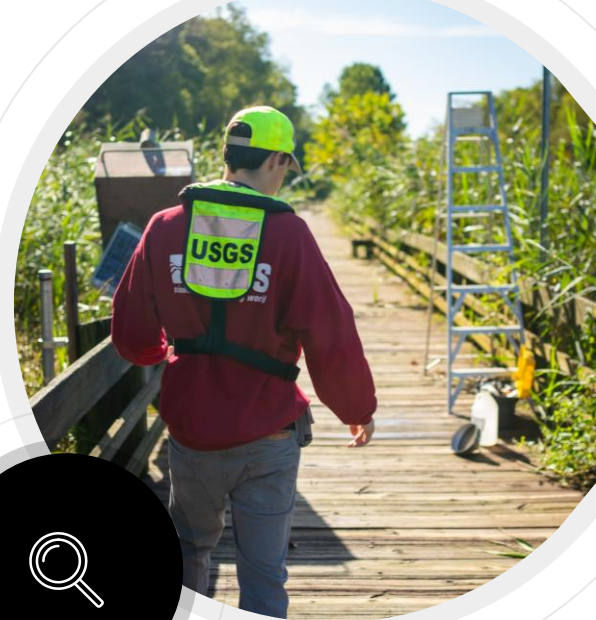
Support community development and engagement opportunities

Support capacity building efforts to increase UMBC's participation in EPA and USGS

Increase capacity to support USGS and EPA science through UMBC faculty and students

Cooperate on potential joint projects between EPA and/or USGS and UMBC students to collaborate with their community

Support enhancement of UMBC's environmental science curricula



Increase Capacity to Enhance Science: UMBC ICARE

- A mission to train a diverse student body and increase representation of diverse backgrounds in environmental fields
- Master committee includes professional scientists and community member
- Student Project Example: Using environmental DNA (eDNA) to track Brook Trout recovery in tributaries of the Chesapeake Bay
 - Meets Chesapeake Bay Program science need and connects USGS scientists with student





STEM Educational
Partnerships and MSI
Fellowship Program:
CCNY Great Gage
Build Bonanza

UMBC Master's Thesis



Sarah McDonald

Research and modelling skills needed to build a fine-scale land use database back to the mid-1980s, which is needed to parameterize Phase 7 and assess land conversion rates (LUMM)



Katheryn Barnhart

Research related to waterfowl habitat especially for black duck and SAV.

UMBC MOU Next Steps

Develop Action Plan for what USGS, EPA, and UMBC will accomplish each year of the 5 year MOU agreement.





Questions

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- What engagement are you currently doing with UMBC students and faculty?
- What would you like to see in the Action Plan?