

CHESAPEAKE WATERSHED



C O O P E R A T I V E
E C O S Y S T E M S T U D I E S U N I T

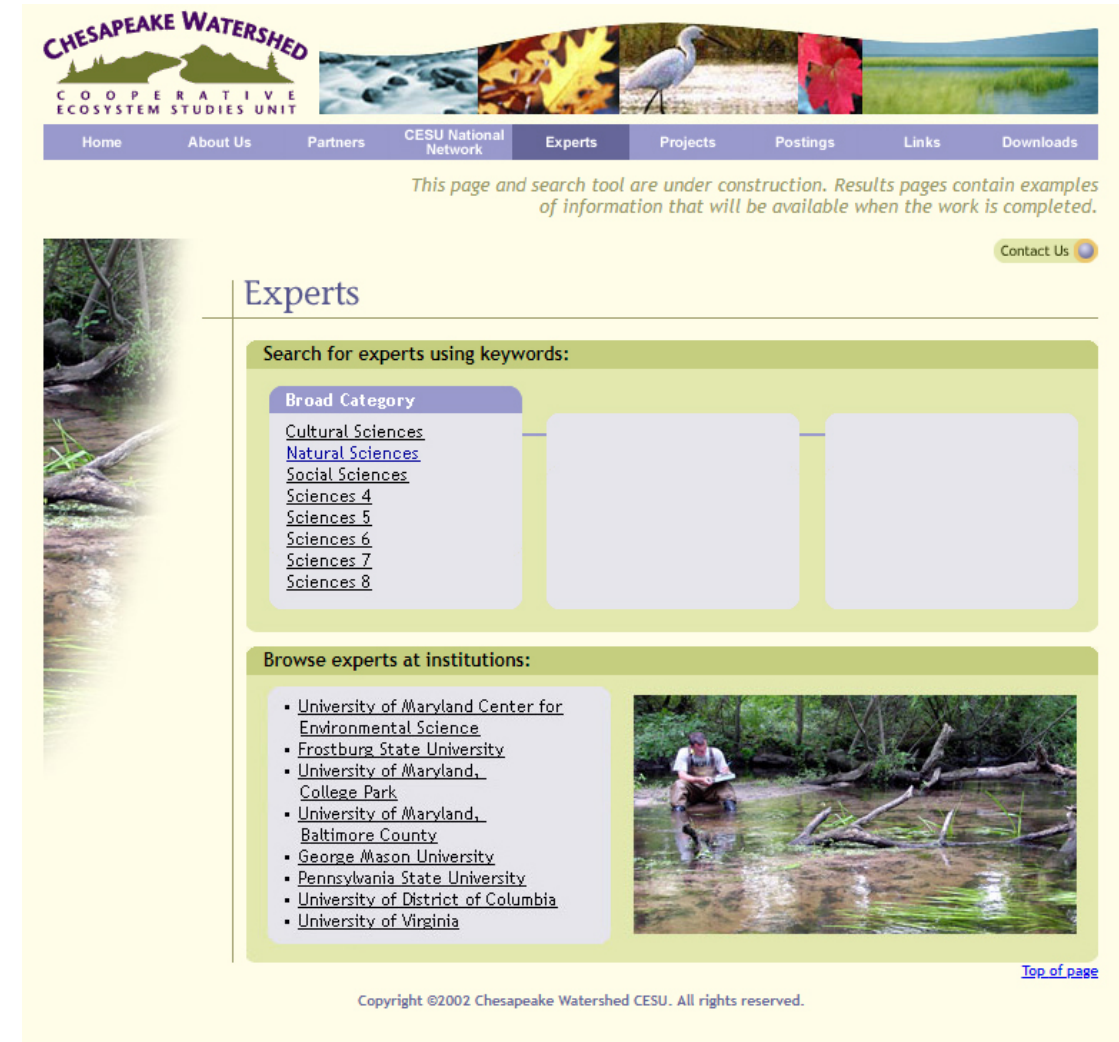
CHWA CESU Experts Database

Experts Database

- Connect Federal and non-Federal Partners more easily
- Encourage collaborations

Experts Database 1.0

- Built with Access and hosted on old website
- Web interface that queried static Access file
- Drawbacks:
 - Limited searching & filtering capabilities
 - Became dated quickly
 - Research interests categorization was unlimited



Experts Database 2.0 - Options

- Off the Shelf Database
 - Expensive and would require manual data entry
- Publication Crawlers
 - Cost prohibitive
- Open Source Library Software
 - Labor intensive (1.25 annual FTE)
- Custom Design for WordPress Platform (current website platform)
- Custom Design for Drupal Platform
- WordPress Plugin and Host In-House Development
 - Affordable and most flexible

WordPress Plugin with Host Development

- Affordable
- Provided the most long-term flexibility
- Primary Goals
 - Develop web-based Experts Database that functions better than the old one
 - Learn from past mistakes related to keywords and organization
 - Address “staleness” issue
 - Improve searching to help connect users better
 - Keep entry process simple and as automated as possible

Experts Database Development Committee

- Dan Filer, NPS
- Tom Fish, NPS
- Claire Jantz, Shippensburg
- Katie Kline, UMCES-AL
- Anne Timm, Forest Service
- David Velinsky, Drexel



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Find an Expert

Welcome!

The CHWA CESU is home to a vast array of experts from both our Federal and non-Federal partners. You can use this Experts Database as a tool to connect with an expert with which to collaborate or consult and to promote interdisciplinary research. We invite you to search the database by research interests or discipline to connect with relevant scientists that are partnered with the CHWA CESU.

Get started by entering your topic of interest below:

Search

effects of land use change

Search results can be further filtered by institution, state,



Expert Search Results

Search results for "effects of land use change"

Filter Results By:

Institution

State

Research Discipline

Research Interests

	Expert Name	Institution	Research Disciplines	Research Interests
	Solange Filoso	UMCES - CBL	Physical Science, Hydrogeology, Water Quality	biogeochemistry, stream restoration, land use change impacts on water resources
	Claire Jantz	Shippensburg University	Physical Science, Geographer, GIS, Remote Sensing	ecological effects of land use change, land use change modeling, spatial analysis and GIS, urban geography
	Andrew Elmore	UMCES - AL	Physical Science, Geographer, GIS, Remote Sensing	impact of climate change on forest phenology and biogeochemistry, landscape evolution in the face of land use and climate change
	Bruce Wiggins	James Madison University	Physical Science, Water Quality, Biological Aquatic Ecologist	environmental biology, environmental toxicology
	Matt Ramspott	Frostburg State University	Physical Science, GIS, Remote Sensing, Geographer	physical geography, environmental studies, mapping and geographic information sciences, spatial data analysis and quantitative methods



Bill Dennison

Vice President for Science Applications and Professor, **University of Maryland Center for Environmental Science Integration & Application Network**



Disciplines: **Oceanography, Marine Biology, Botany**
Research Interests: **seagrass, nutrients, Chesapeake Bay, environmental synthesis, scientific integration, scientific application, nitrogen**

[View CV](#)

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P.O. Box 775
Cambridge, MD 21613

[Research Website](#)

Bio

Dr. Bill Dennison is a Professor of Marine Science and Vice President for Science Applications at the University of Maryland Center for Environmental Science (UMCES). Dr. Dennison's primary mission within UMCES is to coordinate the Integration and Application Network. Bill rejoined UMCES in 2002 following a ten year stint at the University of Queensland in Brisbane, Australia. He originally started at UMCES (then the Center for Environmental and Estuarine Science) in 1987 as a Postdoctorate/Research Assistant Professor based at Horn Point Laboratory. In Australia, Bill developed an active Marine Botany group at the University of Queensland with strong links to the Healthy Waterways Campaign for Moreton Bay. Bill obtained his academic training from Western Michigan University (B.A., Biology & Environmental Science), the University of Alaska (M.S., Biological Oceanography), The University of Chicago (Ph.D., Biology), and State University of New York at Stony Brook at Stony Brook (Postdoc, Coastal Marine Scholar).

Education

Ph.D. The University of Chicago, Biology
M.S., University of Alaska, Biological Oceanography
B.A., Western Michigan University, Biology and Environmental Science

Ongoing and Previous CESU Projects

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Other Research

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Related Experts



Katia Engelhardt

Research Interests: **submersed aquatic vegetation, restoration ecology, wetland ecology, biodiversity, aquatic botany**



Simon Costanzo

Research Interests: **scientific integration, science application, environmental synthesis**



Jeremy Testa

Research Interests: **estuarine biogeochemistry, dissolved oxygen cycling, estuarine systems ecology**



Entry Process

- [Contact Form](#)
- CV Upload
- Profile Photo Upload

Development Process

- Continue to work with committee to develop and test database
- Solicit volunteers to test application process and database functionality – Summer 2018
- Improve and modify search capabilities – Late Summer 2018
- Open application process to all partners – Late Summer 2018
- Release once database has been populated – Fall 2018
- Regular email contact with experts to maintain accuracy of profiles

Experts Database 2.1 - 2019

- Provide experts with option to edit their own profiles
- Solicit feedback from users and make adjustments and improvements based on feedback