

# UMCES



## 100 YEARS OF SCIENCE

NEWS FROM THE  
UNIVERSITY OF MARYLAND CENTER FOR ENVIRONMENTAL SCIENCE



## UMCES Celebrates a Century of Environmental Science

This year marks 100 years of groundbreaking environmental research, education and public service for the University of Maryland Center for Environmental Science (UMCES). Founded in Solomons in 1925, UMCES has been at the forefront of addressing the most pressing environmental challenges, from protecting the Chesapeake Bay to addressing the global climate crisis. Events honoring the past and pinpointing future endeavors were held at Chesapeake Biological Laboratory (Jan. 24), Horn Point Lab (Jan. 27), Appalachian Lab (Jan. 30) and IMET (Feb. 6).

"UMCES's 100-year journey is a testament to the power of science to drive solutions for

a better future," said President **Fernando Miralles-Wilhelm**. "As we celebrate this milestone, we look forward to continuing our mission to advance environmental science and finding pathways for sustainability on a global scale." *Photo credit: Jill Jasuta.* [MORE](#)

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## Multi-institutional research team determines songbirds do, in fact, socialize during migration

It seems songbird flight paths may not be entirely instinctive, according to new research, led by the University of Illinois and co-authored by UMCES Scientists, **Emily Cohen** and **Joely DeSimone**. Evidence from over 18,300 hours of recorded flight calls suggests songbirds may 'talk' to other species as they migrate, forming social connections and, perhaps, exchanging information about the journey.

"Social interactions among migratory animals are poorly understood generally, despite the fact that they likely shape animals' lives throughout their annual cycles, including during migration," **Cohen** said. This ongoing study supports the idea that migrating animals act as interacting communities during both passage flight and stopover periods, and may have broader implications for the health of related ecosystems in a changing world. *Photo credit: Andrew Dreelin.* [MORE](#)

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**Inspiring stories in honor of 100 years of service!**



Former U.S. President Jimmy Carter visited Horn Point Lab in 2005. **Donald Boesch**, president emeritus of UMCES, recalls: "We had an amazing conversation that touched on protecting the Georgia Sea Islands when he was governor, his love of fishing and the outdoors, the importance of science in decision-making, Chesapeake Bay restoration, and Maryland politics. We took a tour of the hatchery in the AREL building. Both Jimmy and Rosalynn were full of questions about oysters. They really did amazingly act as one."



The professional narrative of **Christina Goethel**, an assistant professor and assistant research scientist at UMCES, was featured in a recently published book, entitled, *Determined to be Extraordinary*; a collection of stories about women working in STEM fields. Goethel, pictured above in the North Pole during the Synoptic Arctic Survey, also received a U.S. Coast Guard Arctic Service Medal for her research contributions. She has visited the arctic at least once each summer since 2013.

## SUPPORT SCIENCE

As never before, you can ensure that decisions about the preservation and management of our natural world are based on credible science. When you invest philanthropic support in UMCES research, you are investing in solutions to the urgent environmental challenges we face. [DONATE TODAY](#)

## Upcoming Events

[Visiting Scholar Seminar Series](#) (Fridays, February 21 - May 16)

[ASPIRE Program Virtual Discussion Series](#) (Tuesdays, February 18 - May 20)

[Community Science Talks](#) (February 18, 27; March 4, 11)

**SAVE THE DATE** -Commencement: Friday, May 30 -*stay tuned for details!*

## UMCES in the News

[Good Morning Delmarva discusses UMCES celebrates 100 years](#) (ABC WMDT)

[A century of Bay research at the University of Maryland](#)(Bay Journal)

[Is Resurrecting an Island Worth It?](#) (Sierra)

[Zero-carbon shipping fuel could be a new source of pollution](#)(New Scientist)

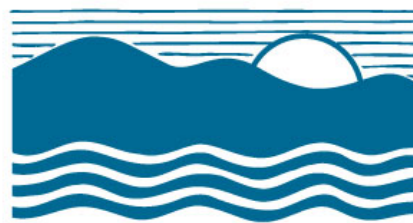
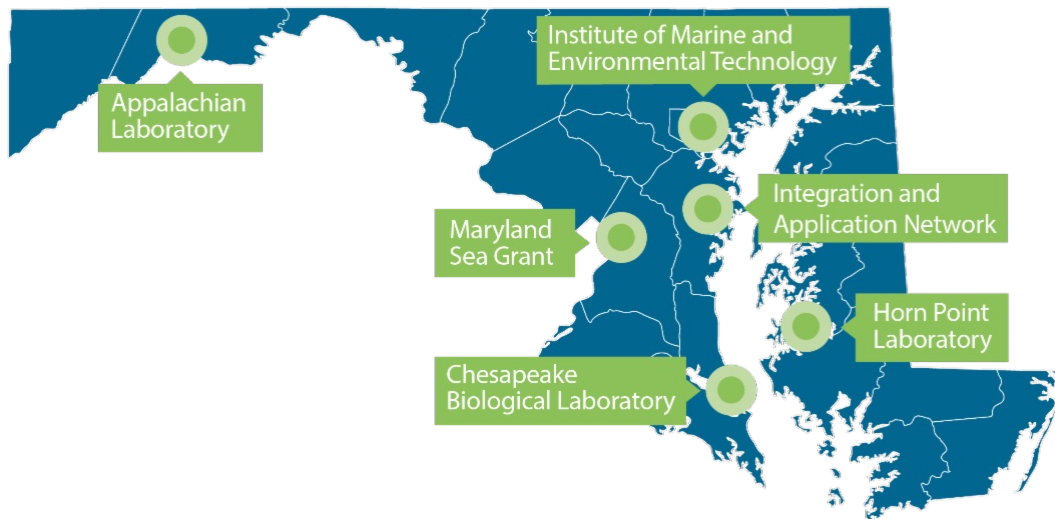
[How do West Virginia's birds survive sub-zero temperatures?](#)(12WBOY/Yahoo/News Break)

[The structure of an algal toxin that killed a 3-foot shark solved](#)(Science Featured)

[Fulbright scholar joins GGSIPU to explore green ammonia and hydrogen technologies](#) (MSN/Times of India/Hydrogen Central)

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