

NASA Ecological Conservation Team Meeting

Biosphere Science Sphere Meeting

The Hotel at UMD, College Park, MD

July 7-10, 2026

[MEETING REGISTRATION & INFORMATION](#)

Wednesday July 8th

1:30 PM

Project Talks (12 min talk + 3 min Q&A)

Developing and Implementing a Tool for Prioritizing the Management of an Invasive and Hyperabundant Apex Predator - the Barred Owl

Brendan Hobart/University of Wisconsin, Madison

Determining forest recruitment change through the integration of NASA Earth observation data and predictive modeling

Tong Qiu/Pennsylvania State University

Implementing the Yurok Natural Resources Portal as a decision support system to inform tribal resource management

Danielle Wood/Massachusetts Institute of Technology

A Remote-Sensing-Based Bird Friendly Certification System for Sustainable Agroforestry: A Multi-Sensor Approach to Evaluating and Monitoring Avian Habitat Quality

Qiongyu Huang/Smithsonian Institution

An Ecological Toolbox to Inform Livestock Grazing Allotments Across Wildlife Conservancies in Kenya

Jared Stabach/Smithsonian Institution

Enhancing biodiversity conservation and ecosystem resilience in dry forest ecosystems

Anu Kramer/University of Wisconsin, Madison

3:00 PM **Adjourn**

Thursday July 9th

11:15 AM **Project Talks (12 min talk + 3 min Q&A)**

Operationalizing dynamic ocean management tools to support a climate-ready network of protected areas in the North Atlantic

Camrin Braun/Woods Hole Oceanographic Institution

Leveraging Earth Observation for Ecosystem Service Accounting in Large-scale Levee Setback Decisions

Charles van Rees/University of Georgia, Athens

Earth observations to combat invasive aquatic vegetation

Bailey Morrison/University of California, Merced

12:00 PM **Lunch**

1:30 PM **Project Talks (12 min talk + 3 min Q&A)**

From Eyes in the Sky to Boots on the Ground: Applying NASA Earth Observations to Protect Critical Forests in Mesoamerica through the IUCN STAR Program

Nicholas Macfarlane/International Union for Conservation of Nature and Natural Resources-US

Biggest Bang for Your Buck: Using NASA Earth Observations to understand and maximize holistic ecosystem benefits from invasive mammal eradications on islands

David Will/Island Conservation

Earth observation-based restoration and monitoring in Coastal and Forested Protected Areas of West Africa

Temilola Fatoyinbo/Massachusetts Institute of Technology

FATE: The drifting Fish Aggregating device (dFAD) Trajectory modeling tool for marine protected area management.

Daniel Whitt/NASA Ames Research Center

Ecosystem assessments based on Earth observations to inform management of invasive iceplant for biodiversity conservation

Benjamin Halpern/University of California, Santa Barbara

Near-Real-time Forecasting and Change Detection for a Fire-Prone Shrubland Ecosystem

Adam Wilson/State University of New York, Buffalo

3:00 PM **Adjourn**

Friday July 10th

8:30 AM **Project Talks (12 min talk +3 min Q&A)**

Maximizing the effectiveness of area-based conservation strategies for birds in Latin America under a changing environment

Jill Deppe/National Audubon Society, Inc.

Ecological forecasting tools for movement-track management at the Yukon-to-Yellowstone migration corridor

Gil Bohrer/Ohio State University

Advancing tools to support and test an integrated biodiversity monitoring system for Colombia's Protected Areas

Mary Blair/The American Museum of Natural History

Biodiversity, connectivity, and ecological forecasting: applying NASA earth observation data to conservation management in the Greater Kruger National Park region, South Africa

Jody Vogeler/Colorado State University

Continuing Impacts of Ocean Observing Data for Protected Species Modeling and Management

Deborah Brill/Duke University

Assessing the Local and Regional Impact of the Palau Aquaculture Suitability Tool

Anne Holland/Space Science Institute

The benefits of SaWS to stakeholders and decision makers

Chuanmin Hu/University of South Florida, Tampa

Assessing the Impact of a Satellite Based Atlantic Sturgeon Forecasting Tool

Matthew Oliver/University of Delaware

10:30 AM **Break**

11:00 AM **Project Talks (12 min talk +3 min Q&A)**

Impact Assessment of the Decision and Information System for the Coastal Waters of Oman (DISCO)

Dale Kiefer/Systems Science Applications

Measuring the Impacts of Workshops on the Use of Earth Observations in Coastal Ecosystems Valuation

Valerie Seidel/The Balmoral Group, LLC

Redefining Decision Making: Implications of a Habitat Monitoring System on Conservation Actions at the Local and National Levels

Lilian Pintea/The Jane Goodall Institute for Wildlife Research, Education and Conservation

Wildlife Conservation Agencies and NASA Earth Observation Data: a needs assessment analysis for using NASA data to conserve biodiversity and facilitate landscape conservation

Jennifer Newark/Wildlife Management Institute, Incorporated

12:00 PM **Lunch**