David Lagomasino

East Carolina University, Integrated Coastal Programs
Assistant Professor
Fields of expertise: Ecogeomorphology

David Lagomasino is a researcher specializing in environmental science, particularly in the field of wetland ecology and remote sensing. His research has contributed to our understanding of coastal wetland ecosystems and their role in the broader context of environmental management and conservation. Lagomasino has conducted extensive research on the hydrology, biogeochemistry, and carbon dynamics of wetlands, with a focus on tropical and subtropical regions. His work often involves the use of remote sensing technologies, such as satellite imagery including optical and lidar data, to study wetland structure and function over large spatial scales.

His research aims to improve our ability to monitor and assess wetland health, biodiversity, and ecosystem services, as well as to understand the impacts of human activities and climate change on these critical ecosystems. Lagomasino has been involved in interdisciplinary collaborations, working with experts from various fields such as hydrology, geology, biology, protected area management, and environmental engineering. Such collaborations are needed, as they allow researchers to approach complex problems from multiple angles and integrate diverse datasets and methodologies.

In which project themes do you hope to participate?
- Model drivers of mangrove and seagrass losses using remote sensing data and machine learning
- Characterize mangrove and seagrass ecosystems using drones and other technologies

- Promote citizen science to understand mangroves and seagrasses

Favorite Marine Mammal?
Manatee