University of Maryland
CENTER FOR ENVIRONMENTAL SCIENCE

The following are standard descriptions of the University of Maryland Center for Environmental Science and its laboratories that should be used for consistency in materials for the general public.

UNIVERSITY OF MARYLAND CENTER FOR ENVIRONMENTAL SCIENCE
Guiding our state, nation, and world toward a more sustainable future

The University of Maryland Center for Environmental Science (UMCES) is a leading research and educational institution working to understand and manage the world's resources. From a network of laboratories spanning from the Allegheny Mountains to the Atlantic Ocean, UMCES scientists provide sound advice to help state and national leaders manage the environment and prepare future scientists to meet the global challenges of the 21st century.

Laboratory Descriptions

APPALACHIAN LABORATORY
Research, management, and education focused on terrestrial and aquatic ecosystems of the world, with an emphasis on the Appalachian region.

SHORT: Located in the headwaters of the Chesapeake Bay, scientists conduct research on terrestrial and aquatic ecosystems, including air and water quality, wildlife management, and land conservation throughout the world, with an emphasis on the rich and diverse environments of Western Maryland and the broader Appalachian region.

LONG: From the headwaters of the Chesapeake Bay, scientists conduct research on terrestrial and aquatic ecosystems in many parts of the world, with an emphasis on the rich and diverse environments of Western Maryland and the broader Appalachian region. Founded in Frostburg in 1962, Appalachian Laboratory scientists advise state, national and international leaders on air and water quality, wildlife management, forest and agricultural management, and biodiversity conservation, while also training and engaging tomorrow's researchers and environmental stewards through advanced degree offerings, citizen science initiatives, and K-12 curriculum development.

CHESAPEAKE BIOLOGICAL LABORATORY
A research leader in fisheries, estuarine ecology, environmental chemistry, and toxicology of the Chesapeake Bay and aquatic ecosystems around the globe.

SHORT: Located where the Patuxent River meets the Chesapeake Bay, the oldest publicly supported marine laboratory on the East Coast is a national leader in research on fisheries, estuarine ecology, environmental chemistry and toxicology research of the Chesapeake Bay and aquatic ecosystem around the globe.

LONG: Located where the Patuxent River meets the Chesapeake Bay, the Chesapeake Biological Laboratory is the oldest publicly supported marine laboratory on the East Coast. Founded in 1925, it has been a national leader in fisheries, estuarine ecology, environmental chemistry and toxicology for more than 90 years. Our scientists conduct research from the Chesapeake Bay and around the globe. From advising state and national agencies on sustainable fisheries management and breaking new ground in understanding how chemicals move between the atmosphere, sediments, and water to renowned work on nutrient dynamics and the food web, the lab is developing new scientific approaches to solving the major environmental problems that face our world.

HORN POINT LABORATORY

Understanding of the world's estuarine and ocean ecosystems through a research program in oceanography, water quality, restoration of sea grasses, marshes and shellfish.

SHORT: From the banks of the Choptank River on Maryland's Eastern Shore, scientists engage in world-renowned research in oceanography, water quality, restoration of sea grasses, marshes and shellfish, and expertise in ecosystem modeling.

LONG: The Horn Point Laboratory, located on more than 800 acres on the banks of the Choptank River on Maryland's Eastern Shore, has advanced society's understanding of the world's estuarine and ocean ecosystems. Horn Point scientists are widely respected for their interdisciplinary programs in oceanography, water quality, restoration of sea grasses, marshes and shellfish and for expertise in ecosystem modeling. With ongoing research programs spanning from the estuarine waters of the Chesapeake Bay to the open waters of the world's oceans, Horn Point is a national leader in applying environmental research and discovery to solve society's most pressing environmental problems.

INSTITUTE OF MARINE AND ENVIRONMENTAL TECHNOLOGY

Pursuing cutting-edge research in microbiology, molecular biology and biotechnology, using marine microbes to develop alternative energy, and supporting sustainable aquaculture and fisheries.

SHORT: Located in Baltimore's Inner Harbor, scientists pursue cutting-edge research in microbiology, molecular biology and biotechnology, using marine microbes to develop alternative energy, and supporting sustainable aquaculture and fisheries.

LONG: Located in Baltimore's Inner Harbor, the Institute of Marine and Environmental Technology is a strategic alliance involving scientists at the University of Maryland Center for Environmental Science, the University of Maryland Baltimore and the University of Maryland Baltimore County. Scientists are engaged in cutting-edge research in microbiology, molecular biology and biotechnology, using marine organisms to develop new drug therapies, alternative energy and innovations to improve public health. IMET contributes to sustainable marine aquaculture and fisheries in the Chesapeake Bay and marine ecosystems. IMET fosters early stage companies and industry partnerships, contributing to economic development in Maryland.

Integration and Application Network
The Integration and Application Network (IAN) is a dedicated group of scientists intent on solving, not just studying environmental problems.

SHORT: The Integration and Application Network (IAN is an initiative of the University of Maryland Center for Environmental Science charged to inspire, manage and produce timely syntheses and assessments on key environmental issues, with a special emphasis on Chesapeake Bay and its watershed.

Maryland Sea Grant College
Fostering strong connections between researchers and natural resource managers working to restore the Chesapeake Bay.

SHORT: Maryland Sea Grant College, a university-based partnership with the National Oceanic and Atmospheric Administration, is a service organization administered by the University of Maryland Center for Environmental Science to fund research, education, and outreach throughout the state of Maryland.

LONG: Maryland Sea Grant College, a university-based partnership with the National Oceanic and Atmospheric Administration, is a service organization administered by the University of Maryland Center for Environmental Science to fund research, education, and outreach throughout the state of Maryland. From our offices in College Park, we work to apply science to protect and restore the Chesapeake Bay and Maryland's coastal resources. We fund and explain scientific research to help leaders and communities deal with our state's major environmental challenges, and work to promote a sustainable coastal economy.