

**CHESAPEAKE WATERSHED
COOPERATIVE ECOSYSTEM STUDIES UNIT**

**AMENDMENT SIX TO
COOPERATIVE and JOINT VENTURE AGREEMENT**

between

**U.S. DEPARTMENT OF THE INTERIOR
Bureau of Land Management
U.S. Fish and Wildlife Service
U.S. Geological Survey
National Park Service
Bureau of Indian Affairs
Bureau of Ocean Energy Management**

**U.S. DEPARTMENT OF AGRICULTURE
U.S. Forest Service
Natural Resources Conservation Service**

**U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration**

**U.S. DEPARTMENT OF DEFENSE
U.S. Army Corps of Engineers – Civil Works
Office of the Assistant Secretary of Defense for Sustainment**

and

**THE UNIVERSITY SYSTEM OF MARYLAND (HOST)
University of Maryland Center for Environmental Science
University of Maryland, College Park
University of Maryland, Baltimore County
Frostburg State University**

**American University
Anne Arundel Community College
Christopher Newport University
College of William and Mary
Delaware State University
Garrett College
George Mason University
George Washington University**

**Howard University
Indiana University of Pennsylvania
James Madison University
The Pennsylvania State University
Shippensburg University
University of Delaware
University of the District of Columbia
University of Mary Washington
University of Richmond
University of Virginia
Virginia Commonwealth University
Virginia Institute of Marine Science
The Academy of Natural Sciences
American Bird Conservancy
National Aquarium
Virginia Department of Conservation and Recreation
Western Pennsylvania Conservancy
Shepherd University
Virginia Polytechnic Institute and State University
Binghamton University
Bowie State University
Ecological Society of America
Longwood University
Maryland Institute College of Art
Morgan State University
Ohio University
Park Rx America
St. Mary's College of Maryland
Stroud Water Research Center
University of Maryland Eastern Shore
University of Pennsylvania
Association for the Study of African American Life and History
Bryn Mawr College
DC Department of Energy and Environment
Hood College
Lock Haven University
Mansfield University
Old Dominion University
Smithsonian Institution
Towson University
West Virginia University**

**Adding:
National Aeronautics and Space Administration
American Indian Higher Education Consortium
Association of African American Museums**

**Gallaudet University
Indiana University
Johns Hopkins University
Live It, Learn It
Monmouth University
NatureServe
Temple University**

With the exception of the changes below, all terms and conditions of the Chesapeake Watershed CESU Cooperative and Joint Venture Agreement apply to this Amendment, and this Amendment is hereby made part of the Agreement.

ARTICLE I. BACKGROUND AND OBJECTIVES

- A.2. The National Aeronautics and Space Administration (NASA) is hereby included in the Chesapeake Watershed CESU as a Federal Agency Partner.
- M.5. The American Indian Higher Education Consortium, Association of African American Museums, Gallaudet University, Indiana University, Johns Hopkins University, Live It, Learn It, Monmouth University, NatureServe, and Temple University are hereby included in the Chesapeake Watershed CESU as Partner Institutions.
- P. National Aeronautics and Space Administration. The National Aeronautics and Space Administration (hereinafter called NASA) has among its missions the utilization of aeronautical and space activities for scientific purposes, encompassing research designed to expand knowledge of the Earth, its resources, and the effects of climatic change on the transformation of its ecological systems. In addition, NASA is responsible for the environmental stewardship of the land, water, and wildlife resources under its control. In accordance with 51 U.S.C. § 20113 (e) of the National Aeronautics and Space Act of 1958 (51 U.S.C. § 20101 et seq.), NASA is authorized to enter into this cooperative agreement to continue the Chesapeake Watershed CESU to assist in providing research, technical assistance, and education.

ARTICLE III. TERM OF AGREEMENT

- A.1. The effective date of the Chesapeake Watershed CESU Cooperative and Joint Venture Agreement is 05 August 2016.
- A.2. The effective date of this Amendment to the Chesapeake Watershed CESU Cooperative and Joint Venture Agreement shall be determined from the date of the last signature.

ARTICLE IV. KEY OFFICIALS

A.12. The representative for the National Aeronautics and Space Administration is as follows:

Technical Representative(s):

Tina Norwood
Program Manager
NEPA and Natural Resources
Environmental Management Division
NASA Headquarters
300 E Street SW, Suite 2U82
Washington, DC 20546
Phone: (202) 358-7234
tina.norwood@nasa.gov

C.53. The representatives for American Indian Higher Education Consortium are as follows:

Technical Representative(s):

Dr. John Phillips
AIHEC Land Grant Programs Director
American Indian Higher Education Consortium
121 Oronoco Street
Alexandria, VA 22314
Phone: (703) 838-0400
jphillips@aihec.org

Administrative Representative(s):

Al Kuslikis
Senior Associate for Strategic Initiatives
American Indian Higher Education Consortium
121 Oronoco Street
Alexandria, VA 22314
Phone: (703) 838-0400 x121
akuslikis@aihec.org

C.54. The representatives for Association of African American Museums are as follows:

Technical Representative(s):

LaNesha DeBardelaben
Executive Director
Northwest African American Museum

2300 South Massachusetts Street
Seattle, WA 98144
Phone: (206) 518-6000
LNDebar@naamnw.org

Administrative Representative(s):

Vedet Coleman-Robinson
Executive Director
Association of African American Museums
PO Box 23698
Washington, DC 20026
Phone: (202) 633-2869
ED@blackmuseums.org

C.55. The representatives for Gallaudet University are as follows:

Technical Representative(s):

Caroline M. Solomon, Ph.D.
Professor of Biology and Chair
Department of Science, Technology, and Mathematics
Gallaudet University
800 Florida Ave NE
Washington, DC 20002
Phone: (202) 250-2370
caroline.solomon@gallaudet.edu

Administrative Representative(s):

Audrey Foster, M.S.A.
Director
Office of Sponsored Programs
Gallaudet University
800 Florida Ave NE
Washington, DC 20002
Phone: (202) 651-5497
audrey.foster@gallaudet.edu

C.56. The representatives for Indiana University are as follows:

Technical Representative(s):

Stephen A. Wolter, CPRP, CPP-I, AAPRA Fellow
Executive Director
Eppley Institute for Parks and Public Lands
Indiana University
501 N Morton Street, Suite 101
Bloomington, IN 47404

Phone: (812) 855-7083
sawolter@indiana.edu

Administrative Representative(s):

Steven Allen Martin
Associate VP Research Administration
Office of Research Administration
Indiana University
509 E 3rd Street
Bloomington, IN 47401-3654
Phone: (317) 278-3473
iuaward@iu.edu

C.57. The representatives for Johns Hopkins University are as follows:

Technical Representative(s):

Jennifer P. Kingsley, Ph.D.
Faculty Director and Senior Lecturer
Program in Museums and Society
Johns Hopkins University
3400 North Charles Street, 301 Gilman Hall
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Administrative Representative(s):

Mary Louise Healy
Assistant Dean for Research Administration
Johns Hopkins University
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Baltimore, MD 21218
Phone: (410) 516-8617 or (410) 516-4100
mhealy11@jhu.edu

C.58. The representatives for Live It, Learn It are as follows:

Technical Representative(s):

Michelle Edwards
Executive Director
Live It, Learn It
735 8th Street SE, #300
Washington, DC 20003
Phone: (202) 546-6223
edwards@liveitlearnit.org

Administrative Representative(s):

Lauren Peters
Senior Director of Programs
Live It, Learn It
735 8th Street SE, #300
Washington, DC 20003
Phone: (202) 546-6223
development@liveitlearnit.org

C.59. The representatives for Monmouth University are as follows:

Technical Representative(s):

Keith Dunton, Ph.D.
Assistant Professor
Department of Biology
Monmouth University
400 Cedar Avenue
West Long Branch, NJ 07764
Phone: (732) 571-4432
kdunton@monmouth.edu

Thomas O. Herrington, Ph.D.
Associate Director
Urban Coast Institute
Monmouth University
400 Cedar Avenue
West Long Branch, NJ 07764
Phone: (732) 263-5588
therring@monmouth.edu

C.60. The representatives for NatureServe are as follows:

Technical Representative(s):

Don Faber-Langendoen
Senior Ecologist and Conservation Methods Coordinator
NatureServe
2550 South Clark Street, Suite 930
Arlington, VA 22202

Adjunct Associate Professor
SUNY College of Environmental Science and Forestry
1 Forestry Drive, Illick Hall 303
Syracuse, NY 13210
Phone: (703) 908-1816
don_faber-langendoen@natureserve.org

Administrative Representative(s):

Steve Sellers
Chief Operating Officer
NatureServe
2550 South Clark Street, Suite 930
Arlington, VA 22202
Phone: (703) 908-1851
steve.sellers@naturereserve.org

C.61. The representatives for Temple University are as follows:

Technical Representative(s):

Michele Masucci, Ph.D.
Vice President for Research
Temple University
1801 N Broad Street
Conwell Hall, 4th Floor, Suite 401
Philadelphia, PA 19122
Phone: (215) 204-6875
masucci@temple.edu

Administrative Representative(s):

Allison Shah
Associate Vice President for Research Administration
Temple University
1801 N Broad Street
Conwell Hall, 4th Floor, Suite 401
Philadelphia, PA 19122
Phone: (215) 206-2088
allison.shah@temple.edu

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES

Per Article III.C., the following authorizing signatures are attached:

- L. National Aeronautics and Space Administration
- M. THE UNIVERSITY SYSTEM OF MARYLAND (HOST)
University of Maryland Center for Environmental Science
- NNN. American Indian Higher Education Consortium
- OOO. Association of African American Museums
- PPP. Gallaudet University
- QQQ. Indiana University
- RRR. Johns Hopkins University
- SSS. Live It, Learn It
- TTT. Monmouth University
- UUU. NatureServe
- VVV. Temple University

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

L. National Aeronautics and Space Administration

Denise Thaller

Denise R. Thaller
Director
Environmental Management Division (EMD)

03/20/2020

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

M. THE UNIVERSITY SYSTEM OF MARYLAND (HOST)

[not required for new partner amendment]

Robert L. Caret
Chancellor

Date

M.1. University of Maryland Center for Environmental Science

Ginger Steelman

Ginger Steelman
Assistant Director
Office of Research Administration and Advancement

3.18.2020

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

NNN. American Indian Higher Education Consortium



Carrie Billy
President and CEO

3/20/2020

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

OOO. Association of African American Museums



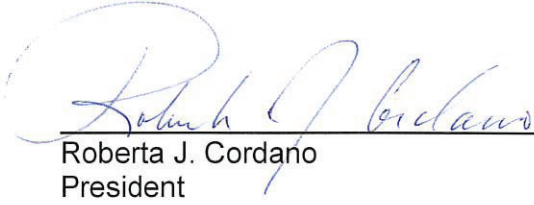
03/18/2020

LaNesha DeBardelaben
AAAM President

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

PPP. Gallaudet University

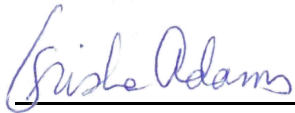


Roberta J. Cordano
President

March 18, 2021
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

QQQ. Indiana University



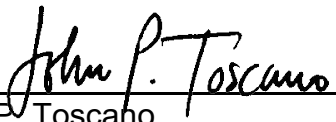
Trisha Adams
Assistant Director of Research Contracting

4/2/2020

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

RRR. Johns Hopkins University



John P. Toscano
Vice Dean for Natural Sciences

March 20, 2020
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

SSS. Live It, Learn It

A handwritten signature in black ink, appearing to read "Michelle N. Edwards". The signature is stylized and cursive.

Michelle N. Edwards, Ed.D.
Executive Directors

3/16/2020

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

TTT. Monmouth University

Rekha Datta

Rekha Datta
Interim Provost and Senior Vice President for Academic Affairs

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

UUU. NatureServe



Sean T. O'Brien
President and CEO

March 13, 2020

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

VVV. Temple University

Michele Masucci
Vice President for Research and Institutional Official

Date



Jaison G. Kurichi
Associate Vice President for Budget

Apr 1, 2020

Date