CHESAPEAKE WATERSHED
COOPERATIVE ECOSYSTEM STUDIES UNIT

AMENDMENT ONE to
COOPERATIVE and JOINT VENTURE AGREEMENT

between

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

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
  Office of the Assistant Secretary of Defense for Sustainment
  U.S. Army Corps of Engineers–Civil Works
  National Aeronautics and Space Administration

and

THE UNIVERSITY SYSTEM OF MARYLAND (HOST)
  University of Maryland Center for Environmental Science
  University of Maryland, Baltimore County
  University of Maryland, College Park
  University of Maryland Eastern Shore
  Bowie State University
  Frostburg State University
  Towson University
  American University
  Anne Arundel Community College
  Binghamton University
ARTICLE I. BACKGROUND AND OBJECTIVES

N.1. Austin Peay State University, Georgetown University, Immaculata University, Marymount University, United States Naval Academy, Virginia Department of Wildlife Resources, and Chesapeake Conservancy are hereby included in the Chesapeake Watershed CESU as Partner Institutions.

ARTICLE III. TERM OF AGREEMENT

A.1. The effective date of the Chesapeake Watershed CESU Cooperative and Joint Venture Agreement is 05 August 2021.

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

C.63. The representatives for Austin Peay State University are as follows:

Technical Representative(s):
C.64. The representatives for Georgetown University are as follows:

    Technical Representative(s):
    Peter P. Marra, Ph.D.
    Director, The Earth Commons Institute
    Laudato Si’ Professor of Biology and the Environment
    Professor, McCourt School of Public Policy
    Georgetown University
    Regents Hall, Room 391
    37th and O Streets NW
    Washington, DC 20057
    Phone: (202) 687-3335
    Peter.Marra@georgetown.edu

    Administrative Representative(s):
    Treasa McDonald
    Research Administrator and Operations Manager
C.65. The representatives for Immaculata University are as follows:

**Technical Representative(s):**

Stephen C. Mason, Jr., Ph.D.
Assistant Professor of Biology
Department of Natural Sciences
Immaculata University
1145 West King Road
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Phone: (484) 323-3276
smason2@immaculata.edu

**Administrative Representative(s):**

Kelly C. George, Ph.D.
Director, Office of Sponsored Research
Assistant Professor of Media and Communication
Department of Arts, Languages, and Letters
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1145 West King Road
Immaculata, PA 19345
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kgeorge@immaculata.edu

C.66. The representatives for Marymount University are as follows:

**Technical Representative(s):**

Janine K. Burgess, MPA
Director, Office of Sponsored Programs
2003 Chapel Hill, Main House
Marymount University
2807 North Glebe Road
Arlington, VA 22207
Phone: (703) 908-7644
Fax: (703) 284-1553
Jburgess@marymount.edu

**Administrative Representative(s):**
C.67. The representatives for the United States Naval Academy are as follows:

**Technical Representative(s):**

Liliana Velásquez Montoya, Ph.D.
Assistant Professor
Naval Architecture and Ocean Engineering Department
United States Naval Academy
590 Holloway Road, Stop 11D
Annapolis, MD 21402
Phone: (410) 293-6446
velasque@usna.edu

**Administrative Representative(s):**

Jean Decker
Grants Specialist
Office of Research and Scholarship
United States Naval Academy
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Phone: (410) 293-2512
jdecker@usna.edu

Joyce E. Shade, Ph.D.
Deputy Director of Research and Scholarship for Technology Transfer
Special Assistant to the Provost for Administration
United States Naval Academy
589 McNair Road, Stop 10M
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Phone: (410) 293-2509
shade@usna.edu

C.68. The representatives for the Virginia Department of Wildlife Resources are as follows:

**Technical Representative(s):**
C.69. The representatives for the Chesapeake Conservancy are as follows:

Technical Representative(s):
Kumar Mainali, Ph.D.
Senior Data Scientist
Chesapeake Conservancy
716 Giddings Avenue, Suite 42
Annapolis, MD 21401
Phone: (240) 425-8040
kmainali@chesapeakeconservancy.org

Administrative Representative(s):
Katie Walker
Geospatial Program Manager
Chesapeake Conservancy
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Annapolis, MD 21401
Phone: (443) 345-5985
kwalker@chesapeakeconservancy.org

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES

Per Article III.C., the following authorizing signatures are attached:
M.THE UNIVERSITY SYSTEM OF MARYLAND (HOST)
University of Maryland Center for Environmental Science

XXX. Austin Peay State University
YYY. Georgetown University
ZZZ. Immaculata University
AAAA. Marymount University
BBBB. United States Naval Academy
CCCC. Virginia Department of Wildlife Resources
DDDD. Chesapeake Conservancy
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

M. THE UNIVERSITY SYSTEM OF MARYLAND (HOST)

[not required for new partner amendment]

Jay A. Perman  
Chancellor

M.1. University of Maryland Center for Environmental Science

Ginger Steelman  
Associate Director  
Office of Research Administration and Advancement

4/10/2022  
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

XXX. Austin Peay State University

Dr. Chad Brooks
Associate Provost for Research

3/17/2022 | 10:15 AM CDT
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

YYY. Georgetown University

Digitally signed by Jesse Szeto
Date: 2022.03.14 11:54:13 -04'00'

Jesse Szeto
Senior Director, Office of Research Services

Mar 14, 2022
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

ZZZ. Immaculata University

[Signature]

Barbara Lettieri
President

3-14-22
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

AAAA. Marymount University

Rita Wong, EdD, PT, FAPTA
Associate Vice-President of Research

3/16/22
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

BBBB. United States Naval Academy

[Signature]

Andrew T. Phillips
Provost

4/11/22
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

CCCC. Virginia Department of Wildlife Resources

Ryan J. Brown
Executive Director

Date
3/23/22
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

DDDD. Chesapeake Conservancy

Joel Dunn  Date
President and CEO  3/11/2022  Date