SOUTHERN APPALACHIAN MOUNTAINS
COOPERATIVE ECOSYSTEM STUDIES UNIT

AMENDMENT ONE 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

U.S. DEPARTMENT OF AGRICULTURE
U.S. Forest Service (Southern Research Station)
Natural Resources Conservation Service

U.S. DEPARTMENT OF DEFENSE
Office of the Deputy Under Secretary of Defense
(Installations and Environment)
U.S. Army Corps of Engineers – Civil Works

and

UNIVERSITY OF TENNESSEE (HOST)
Appalachian State University
Florida A&M University
Lincoln Memorial University
Middle Tennessee State University
Tennessee Technological University
University of Kentucky
Western Carolina University
Western Kentucky University
UT - Institute for a Secure and Sustainable Environment
Southern Appalachian Man and the Biosphere
Virginia Polytechnic Institute and State University
Discover Life in America
University of North Carolina Asheville
East Tennessee State University
With the exception of the changes below, all terms and conditions of the Southern Appalachian Mountains CESU Agreement apply to this Amendment, and this Amendment is hereby made part of the Agreement.

ARTICLE I. BACKGROUND AND OBJECTIVES

A.1. The Bureau of Indian Affairs is hereby included in the Southern Appalachian Mountains CESU as a Federal Agency Partner.

L.1. Ohio University and University of Tennessee at Martin are hereby included in the Southern Appalachian Mountains CESU as Partner Institutions.

M. Bureau of Indian Affairs (BIA) is the oldest bureau of the United States Department of the Interior. Established in 1824, BIA currently provides services to approximately 1.9 million American Indians and Alaska Natives. There are 566 federally recognized American Indian tribes and Alaska Natives in the United States. The mission of the Bureau of Indian Affairs is to: "... enhance the quality of life, to promote economic opportunity, and to carry out the responsibility to protect and improve the trust assets of American Indians, Indian tribes, and Alaska Natives." BIA has responsibility for the administration and management of 55 million surface acres and 57 million acres of subsurface minerals estates held in trust by the United States for American Indian, Indian tribes, and Alaska Natives. BIA serves a special role, both serving tribes through trust management and by providing technical support and advice across a broad range of topics. The BIA is also the lead agency providing for federal management of the trust corpus held on behalf of tribal government and individual beneficial owners and as such is tasked with coordinating science, technical education, and management needs for those trust resources. The tribes, through the Indian Self-Determination and Education Assistance Act of 1975 (Pub. L. 93-638) are authorized to contract BIA management functions and as such mission needs, research results, and education efforts serve and enable tribal and BIA staff. The Act also authorized the federal government to follow specific contracting
regulations for Recognized Federal Indian Tribes, and with tribal approval, tribally chartered Indian colleges and universities.

BIA participation in the CESU Network will include support, coordination, and cooperation focused on science and education for climate and trust resource management, as well as other areas within its range of mission-related services and activities. BIA is authorized to enter into cooperative agreements under the general authority for climate change via the Snyder Act of 1921, as amended, 25 U.S.C. § 13; for FY14 (2-year funding) via Pub. L. 113-76, and FY15 (2-year funding) via Pub. L. 113-164, as amended (and subsequent annual budget appropriations as may be authorized during the term of the agreement); and for any potential Forestry and Wildland Fire Management program efforts, via the National Indian Forest Resources Management Act of 1990, Pub. L. 101-630. BIA has the authority to enter into this agreement pursuant to 25 U.S.C. § 2; the Education and Training Program, 23 U.S.C. § 6004; and Snyder Act of 1921, as amended, 25 U.S.C. § 13.

ARTICLE III. TERM OF AGREEMENT

A.1. The effective date of the Southern Appalachian Mountains CESU Cooperative and Joint Venture Agreement is 19 June 2014.

A.2. The effective date of this Amendment to the Southern Appalachian Mountains CESU Cooperative and Joint Venture Agreement shall be determined from the date of the last signature to this Amendment.

ARTICLE IV. KEY OFFICIALS

A.9. The technical representative for the Bureau of Indian Affairs is:

   Rachael Novak
   Climate Science Coordinator
   Bureau of Indian Affairs
   1849 C St. NW, MIB 4633
   Washington DC, 20240
   Phone: (202) 219-1652
   rachael.novak@bia.gov

C.21. The technical representative for Ohio University is:

   Robert L. Wiley
   Senior Ecologist, Project Manager
   Building 22 The Ridges Room 207
   1 Ohio University
   Athens, OH 45701-2979
C.22. The technical representative for the University of Tennessee at Martin is:

Paula M. Gale, PhD, LPSS
Professor of Soil Science and Assistant Director of Honors Programs
UTAA Alumni Distinguished Service Professor
Department of Agriculture, Geosciences, and Natural Resources
218B Brehm Hall
University of Tennessee at Martin
Martin, TN 38238
Phone: (731) 881-7326
pgale@utm.edu

ARTICLE V. AWARD

A.1. Upon signature of all parties to this amendment, the Bureau of Indian Affairs shall commit funds to the Southern Appalachian Mountains CESU Host University in furtherance of the Agreement, to be authorized and executed by a modification to the Agreement in accordance with CESU Network Council annual host institution support guidelines.
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES

The following authorizing signatures are attached to the Amendment:

U.S. DEPARTMENT OF THE INTERIOR
A. Bureau of Land Management
B. U.S. Fish and Wildlife Service
C. U.S. Geological Survey
D. National Park Service
E. Bureau of Indian Affairs

U.S. DEPARTMENT OF AGRICULTURE
F. USDA Forest Service (Southern Research Station)
G. Natural Resources Conservation Service

U.S. DEPARTMENT OF DEFENSE
H. Office of the Deputy Under Secretary of Defense (Installations and Environment)
I. US Army Corps of Engineers – Civil Works

J. UNIVERSITY OF TENNESSEE (HOST)
K. Appalachian State University
L. Florida A&M University
M. Lincoln Memorial University
N. Middle Tennessee State University
O. Tennessee Technological University
P. University of Kentucky
Q. Western Carolina University
R. Western Kentucky University
S. University of Tennessee Institute for a Secure and Sustainable Environment
T. Southern Appalachian Man and the Biosphere
U. Virginia Polytechnic Institute and State University
V. Discover Life in America
W. University of North Carolina Asheville
X. East Tennessee State University
Y. Tennessee Aquarium Conservation Institute
Z. Austin Peay State University
AA. Jacksonville State University
BB. Marshall University
CC. The University of the South
DD. Tennessee State University
EE. Ohio University
FF. University of Tennessee at Martin
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

A. Bureau of Land Management

[Signature]
Ann DeBlasi
Acting State Director

4-4-16
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

B. U.S. Fish and Wildlife Service

STEVEN SPONAUGLE

Digitally signed by STEVEN SPONAUGLE
Date: 2016.02.25 12:37:28 -05'00'

Name: Steve Sponaugle
Chief, Division of Contracting and Grant Services U.S. Fish and Wildlife Service, Southeast Region

02/25/2016
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

C. U.S. Geological Survey

[Signature]
Sherri Bredesen
Contracting Officer

03/01/16
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

D. National Park Service

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

__________________________ __________________________
Stanley Austin Date
Regional Director
Southeast Region

__________________________ __________________________
Rose M. McClelland Date
Contracting Officer
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

E. Bureau of Indian Affairs

Michael S. Black  
Director, Bureau of Indian Affairs  
U.S. Department of the Interior  

[Signature]  
3/30/14  
Date

Bernie Toyekyah  
Grants Management Specialist  

[Signature]  
2/29/16  
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

F. U.S. Forest Service

Robert L. Doudrick, Ph.D.
Station Director
Southern Research Station

4/26/16
Date

The authority and format of this instrument has been reviewed and approved for signature.

Joyce M. Gorgas
Lead Grants Management Specialist
Southern Research Station

2/25/2016
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

G. Natural Resources Conservation Service

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

Thomas W. Christensen  
Associate Chief of Operations
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

H. Department of Defense – Office of the Deputy Under Secretary of Defense (Installations and Environment)

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

______________________________  ______________________
Traci Robicheaux  
Grants Officer  
Representing ODUSD (I&E)
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

I. U.S. Army Corps of Engineers – Civil Works

MCGUFFIE.JERI.H.12
30779046

Jeri Mcguffie
Grants Officer

Digitally signed by MCGUFFIE.JERI.H.1230779046
DN: c=US, o=U.S. Government, ou=DoD, ou=PKI,
ou=USA, cn=MCGUFFIE.JERI.H.1230779046
Date: 2016.02.25 15:26:33 -06'00'
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

J. The University of Tennessee

Cynthia Nichols
Chief Business Officer, AgResearch

Date
3/18/16
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

K. Appalachian State University

Dr. Darrell Kruger
Provost and Executive Vice Chancellor

Date

04/01/2016

Office of General Counsel
Reviewed/approved as to form.
Initials: BLK
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

L. Florida A&M University

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

Kinfe K. Redda, Ph.D.  
Vice President for Research  

Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

M. Lincoln Memorial University

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

Ronald S. Caldwell  
Professor of Biology  
Director, CMRC
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

N. Middle Tennessee State University

[Signature]
Alan R. Thomas
Interim Vice President, Business and Finance

3/9/2016
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

O. Tennessee Technological University

Francis Otundo, Ph.D.
Associate Vice President for Research/Graduate Studies

3-1-15
Date

SOAP CESU Agreement 2013-2018 Amend 1 BIA, OU, UTM
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

P. University of Kentucky

______________________________  __________________________
Kim C. Carter                      3/23/16
Associate Director
University of Kentucky Research Foundation
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Q. Western Carolina University

[Signature]
Brian Kloeppel, PhD
Chief Research Officer

[Signature]
Date

Approved as to form.
SRB
Attorney
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

R. Western Kentucky University

\[Signature\]

Nancy Magee
Director, WKU Office of Sponsored Programs

Date

3/22/11
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

S. Institute for a Secure and Sustainable Environment

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

Gregory D. Reed  
Vice Chancellor for Research and Engagement  

Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

T. Southern Appalachian Man and the Biosphere

[Signature]
Susan M. Schexnayder
President

[Date]
02/25/2016
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

U. Virginia Polytechnic Institute and State University

[Signature]

John C. Rudd
Assistant Vice President for Sponsored Programs

2/29/2016

Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

V. Discover Life in America

[Signature]

Todd P. Witcher
Executive Director

[Date: 3/21/16]
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

W. University of North Carolina Asheville

Keith E. Krumpe  
Dean of Natural Sciences and Professor of Chemistry

3/1/16  
Date

This document has been reviewed by the University's General Counsel and has been found to comply with state and federal law and with pertinent University policies.

General Counsel  
Date 3/24/16
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

X. East Tennessee State University

[Signature]
Dr. William R. Duncan
Vice Provost for Research

[Date]
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Y. Tennessee Aquarium Conservation Institute

Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

Gordon A. Stalans  
Division of Finance  

Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Z. Austin Peay State University

Rex Gandy
Provost

2/25/14
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

AA. Jacksonville State University

[Signature]

Donald W. Thacker
Acting Vice President, Administration and Business Affairs

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

BB. Marshall University

______________________________  2-26-16
John M. Maher                  Date
Executive Director, Marshall University Research Group
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

CC. The University of the South

Leigh B. Lentle
Sponsored Research Officer

2/25/16
Date

Nancy J. Berner
Associate Provost
Vice Provost for Planning and Administration

2/29/16
Date
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

DD. Tennessee State University

Dr. Lesia Crumpton-Young
Chief Research Officer
Tennessee State University

Date: 4/12/16
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

EE. Ohio University

[Signature]

01/29/16

Date

P. Maureen Valentine
AVP for Research and Sponsored Programs
ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

FF. University of Tennessee at Martin

Petra McPherson

[Print name]: Petra McPherson
[Print title]: Interim Vice Chancellor for Finance and Administration

Feb 9, 2016

Date