

**COLORADO PLATEAU  
COOPERATIVE ECOSYSTEM STUDIES UNIT**

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

**between**

**NAVAJO NATION**

**and**

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

**U.S. DEPARTMENT OF AGRICULTURE  
U.S. Forest Service  
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**

**NORTHERN ARIZONA UNIVERSITY (HOST)  
Arizona State University  
Colorado State University  
Diné College  
Fort Lewis College  
New Mexico State University  
Oregon State University  
University of Arizona  
University of Nevada-Reno  
Utah State University  
The Arboretum at Flagstaff  
Museum of Northern Arizona  
Colorado Mesa University (formerly Mesa State College)  
Southern Utah University**

**Archaeology Southwest (formerly Center for Desert Archaeology)  
Rocky Mountain Bird Observatory  
Weber State University  
University of New Mexico  
Crow Canyon Archaeological Center  
University of Pennsylvania  
Prescott College  
Institute for Bird Populations  
The University of Texas at San Antonio  
University of Utah  
Utah Valley University  
Dixie State University  
Conservation Science Partners  
Desert Research Institute**

**Adding: Bureau of Indian Affairs**

With the exception of the changes below, all terms and conditions of the Colorado Plateau 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 (BIA) is hereby included in the Colorado Plateau CESU as a Federal Agency Partner.
- N. 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 Colorado Plateau CESU Cooperative and Joint Venture Agreement is 18 June 2014.
- A.2. The effective date of this Amendment to the Colorado Plateau CESU Cooperative and Joint Venture Agreement shall be determined from the date of the last signature to this Amendment.

### **ARTICLE IV. KEY OFFICIALS**

- B.10. The technical representative for the Bureau of Indian Affairs is:

Sean J. Hart  
Climate Change Coordinator  
Bureau of Indian Affairs  
1849 C Street NW, MIB 4635  
Washington DC, 20240  
Phone: (202) 513-0337  
sean.hart@bia.gov

### **ARTICLE V. AWARD**

- A.1. Upon signature of all parties to this amendment, the Bureau of Indian Affairs shall commit funds to the Colorado Plateau CESU Host University in furtherance of the Agreement, to be authorized by a modification issued against the Agreement. The amount of funding shall be determined in accordance with CESU Network annual support guidelines.

#### **ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES**

The following authorizing signatures are attached to this amendment:

**A. NAVAJO NATION**

**U.S. DEPARTMENT OF THE INTERIOR**

- B. Bureau of Land Management
- C. U.S. Bureau of Reclamation
- D. U.S. Geological Survey
- E. National Park Service
- F. U.S. Fish and Wildlife Service
- G. Bureau of Indian Affairs**

**U.S. DEPARTMENT OF AGRICULTURE**

- H. U.S. Forest Service
- I. Natural Resources Conservation Service

**U.S. DEPARTMENT OF DEFENSE**

- J. Office of the Deputy Under Secretary of Defense (Installations and Environment)
- K. U.S. Army Corps of Engineers – Civil Works

**L. NORTHERN ARIZONA UNIVERSITY (HOST)**

- M. Arizona State University
- N. Colorado State University
- O. Diné College
- P. Fort Lewis College
- Q. New Mexico State University
- R. Oregon State University
- S. University of Arizona
- T. University of Nevada-Reno
- U. Utah State University
- V. The Arboretum at Flagstaff
- W. Museum of Northern Arizona
- X. Colorado Mesa University (formerly Mesa State College)
- Y. Southern Utah University
- Z. Archaeology Southwest (formerly Center for Desert Archaeology)
- AA. Rocky Mountain Bird Observatory
- BB. Weber State University

CC. University of New Mexico  
DD. Crow Canyon Archaeological Center  
EE. University of Pennsylvania  
FF. Prescott College  
GG. Institute for Bird Populations  
HH. The University of Texas at San Antonio  
II. University of Utah  
JJ. Utah Valley University  
KK. Dixie State University  
LL. Conservation Science Partners  
MM. Desert Research Institute

**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

A. Navajo Nation

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.

\_\_\_\_\_  
Ben Shelly  
President

\_\_\_\_\_  
Date

ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)

B. Bureau of Land Management

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.

\_\_\_\_\_  
Juan Palma  
State Director

\_\_\_\_\_  
Date

\_\_\_\_\_  
Maria Gochis  
Grant Management Officer

\_\_\_\_\_  
Date

**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

C. U.S. Bureau of Reclamation

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.

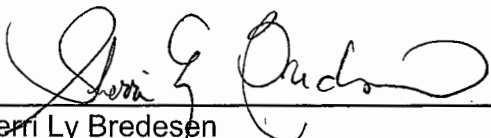
\_\_\_\_\_  
Lindsey Nafts  
Grants and Cooperative Agreements Specialist

\_\_\_\_\_  
Date



**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

D. U.S. Geological Survey

  
\_\_\_\_\_  
Sherri Ly Bredesen  
Contracting Officer

03/12/15  
Date

ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)

E. National Park Service



Andrew E. Lubner  
Contracting Officer

4/15/15  
Date



Kelvin A. Delaney  
Financial Assistance Officer

4.8.15  
Date

**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

F. U.S. Fish and Wildlife 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.

\_\_\_\_\_  
Greg Watson  
Chief of Landscape Conservation

\_\_\_\_\_  
Date

**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

**G. Bureau of Indian Affairs**

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

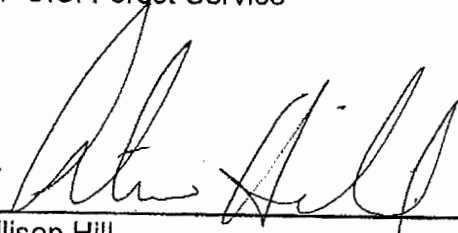
3/12/15  
Date

  
\_\_\_\_\_  
Bernie Toyekyah  
Grants Management Specialist

2/10/15  
Date

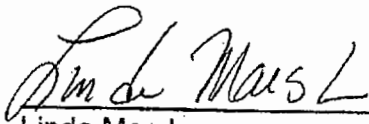
ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)

H. U.S. Forest Service

  
\_\_\_\_\_  
Allison Hill  
Program Manager, Rocky Mountain Research Station

3/16/15  
Date

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

  
\_\_\_\_\_  
Linda Marsh  
Grants and Agreements Specialist

3/11/15  
Date

**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

I. Natural Resources Conservation Service

for

  
\_\_\_\_\_  
GAYLE N. BARRY  
Deputy Chief for Management

4-2-2015  
Date

**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

J. Office of the Deputy Under Secretary of Defense (Installations and Environment)

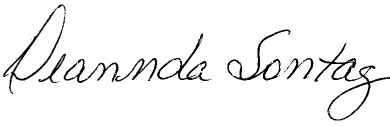
Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

\_\_\_\_\_  
Traci Robicheaux  
Grants Officer  
Representing ODUSD (I&E)

\_\_\_\_\_  
Date

**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

**K. U.S. Army Corps of Engineers – Civil Works**



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c=US, o=U.S. Government, ou=DoD,  
ou=PKI, ou=USA,  
cn=SONTAG.DEANNDAS.1230791909  
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Deanna Sontag  
Grants Officer

27 Mar 2015

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Date



**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

L. Northern Arizona University

  
\_\_\_\_\_  
Wilma G. Ennenga  
Director, Grant and Contract Services

April 10, 2015  
Date

**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

M. Arizona State University



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Rob Melnick  
Executive Dean, Global Institute of Sustainability/School of Sustainability

4/14/15

Date

**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

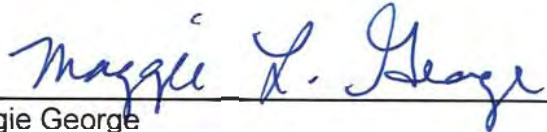
N. Colorado State University

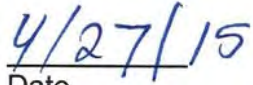
*CM*   
\_\_\_\_\_  
David B. Doty  
Associate Director, Office of Sponsored Programs

4/16/15  
Date

**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

O. Diné College

  
\_\_\_\_\_  
Maggie George  
President

  
\_\_\_\_\_  
Date

**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

P. Fort Lewis College



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Barbara Jean Morris  
Provost, Vice President for Academic Affairs

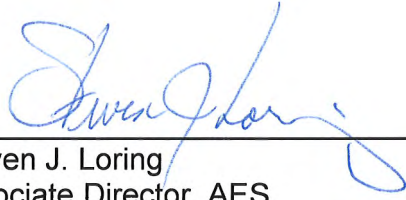


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Date

**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

Q. New Mexico State University



\_\_\_\_\_  
Steven J. Loring  
Associate Director, AES

4-10-2015

\_\_\_\_\_  
Date

**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

R. Oregon State 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.

\_\_\_\_\_  
Lin Reilly  
Senior Grant and Contract Officer

\_\_\_\_\_  
Date

**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

S. University of Arizona

  
\_\_\_\_\_  
Lewis Barbieri  
Director, Contract & Research Support

4/16/15  
Date



**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

T. University of Nevada-Reno

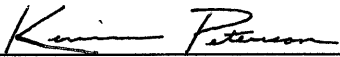
Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

\_\_\_\_\_  
Charlene Hart, MBA, CPA  
Director, Sponsored Projects

\_\_\_\_\_  
Date

**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

U. Utah State University

  
\_\_\_\_\_  
Kevin Peterson  
Director, Sponsored Programs

April 10, 2014  
Date

**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

V. The Arboretum at Flagstaff

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.

\_\_\_\_\_  
Kristen E. Haskins  
Director of Research

\_\_\_\_\_  
Date

ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)

W. Museum of Northern Arizona

for Kimbley B. (Technical Representative) 4/20/2015  
~~Robert Breunig~~ Carrie Heinonen Date  
Director

ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)

X. Colorado Mesa University (formerly Mesa State College)

  
\_\_\_\_\_  
Tim Foster  
President

4/27/15  
Date

**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

Y. Southern Utah University

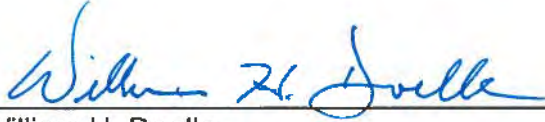
Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

\_\_\_\_\_  
Julia Anderson  
Director, Sponsored Programs Office

\_\_\_\_\_  
Date

**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

Z. Archaeology Southwest (formerly Center for Desert Archaeology)



William H. Doelle  
President and CEO

4/10/15  
Date

ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)

AA. Rocky Mountain Bird Observatory

Karin Miller for Tammy VanCauteren  
Tammy VanCauteren  
Executive Director

20 April 2015  
Date



**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

BB. Weber State 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.

\_\_\_\_\_  
Chris Millard  
Director, Office of Sponsored Projects

\_\_\_\_\_  
Date

**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

CC. University of New Mexico



4/13/2015

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Michael Dougher  
Vice President for Research

ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)

DD. Crow Canyon Archaeological Center



Mark D. Varien  
Chair, Research and Education



Date

**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

EE. University of Pennsylvania



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W. Stuart Watson  
Associate Director, Office of Research Services

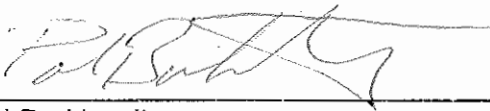


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Date

ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)

FF. Prescott College



\_\_\_\_\_  
Paul Burkhardt  
Executive Vice President for Academic Affairs and Provost

4/15/2015  
Date

**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

GG. Institute for Bird Populations

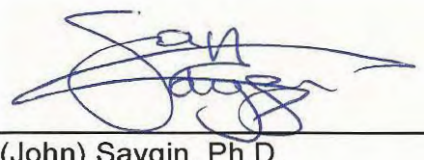
Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

\_\_\_\_\_  
Rodney Siegel  
Executive Director

\_\_\_\_\_  
Date

**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

HH. The University of Texas at San Antonio

A handwritten signature in blue ink, appearing to read "John Saygin", is written over a horizontal line. The signature is stylized and somewhat cursive.

Can (John) Saygin, Ph.D.  
Assistant Vice President for Sponsored Project Administration

4/23/2015  
Date

**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

II. University of Utah



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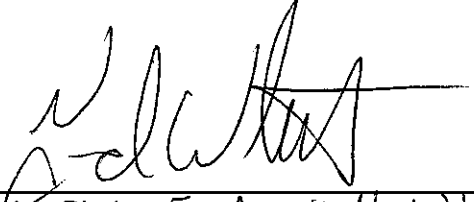
Brent K. Brown  
Director, Office of Sponsored Programs

21 April 15  
Date



**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

JJ. Utah Valley University



~~Dr. Brian Birch~~ Frederick H. White  
Associate Vice President – Engaged Learning

20 April 2015  
Date

**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

KK. Dixie State University



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Paul C. Morris  
Vice President for Administrative Services

4/27/2015  
Date

**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

LL. Conservation Science Partners .



\_\_\_\_\_  
Brett Dickson  
President

4.14.15  
Date

**ARTICLE XIII. AGREEMENT AUTHORIZING SIGNATURES (cont.)**

MM. The Board of Regents of the Nevada System of Higher Education  
on behalf of the Desert Research Institute



4/10/15

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Alan W. Gertler, Ph.D.  
Vice President for Research

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Date