

**SOUTHERN APPALACHIAN MOUNTAINS  
COOPERATIVE ECOSYSTEM STUDIES UNIT**

**AMENDMENT THREE 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)  
US 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  
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**

**Adding:**

**East Tennessee State University  
Tennessee Aquarium Conservation Institute**

With the exception of the changes below, all terms and conditions of the Southern Appalachian Mountains 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**

L.3. The East Tennessee State University and the Tennessee Aquarium Conservation Institute are hereby included in the Southern Appalachian Mountains CESU as Partner Institutions.

**ARTICLE III. TERM OF AGREEMENT**

A.1. The effective date of the Southern Appalachian Mountains CESU Cooperative and Joint Venture Agreement is 19 June 2009.

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 on this Amendment.

**ARTICLE IV. KEY OFFICIALS**

C.20. The technical representatives for East Tennessee State University are:

Dr. Jim L. Mead  
Chair, Department of Geosciences  
East Tennessee State University  
100 CR Drive, Box 70357  
Johnson City, TN 37614  
Phone: (423) 439-7515  
Fax: (423) 439-7520  
[Mead@etsu.edu](mailto:Mead@etsu.edu)

Dr. William R. Duncan  
Vice Provost for Research and Sponsored Programs  
Box 70565  
East Tennessee State University  
Johnson City, TN 37614

Phone: (423) 439-6000  
Fax: (423) 439-6050  
[duncanw@etsu.edu](mailto:duncanw@etsu.edu)

C.21. The technical representatives for the Tennessee Aquarium Conservation Institute are:

Gordon Stalans  
Director of Finance  
Tennessee Aquarium  
One Broad Street  
Chattanooga, TN 37402  
Phone: (423) 785-2054  
Fax: (423) 756-1849  
[gas@tnaqua.org](mailto:gas@tnaqua.org)

Dr. Anna L. George  
Director  
Tennessee Aquarium Conservation Institute  
PO Box 11048  
Chattanooga, TN 37401  
Phone: (423) 785-4171  
Fax: (423) 267-3561  
[alg@tnaqua.org](mailto:alg@tnaqua.org)

Jackson C. Andrews  
Director of Operations and Husbandry  
Tennessee Aquarium  
One Broad Street  
Chattanooga, TN 37402  
Phone: (423) 785-4006  
Fax: (423) 267-3561  
[jca@tnaqua.org](mailto:jca@tnaqua.org)

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

The following authorizing signatures are attached:

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

U.S. DEPARTMENT OF AGRICULTURE

- E. USDA Forest Service (Southern Research Station)
- F. Natural Resources Conservation Service

U.S. DEPARTMENT OF DEFENSE

- G. Office of the Deputy Under Secretary of Defense (Installations and Environment)
- H. US Army Corps of Engineers – Civil Works

I. UNIVERSITY OF TENNESSEE (HOST)

- J. Appalachian State University
- K. Florida A&M University
- L. Lincoln Memorial University
- M. Middle Tennessee State University
- N. Tennessee Technological University
- O. University of Kentucky
- P. Western Carolina University
- Q. Western Kentucky University
- R. Institute for a Secure and Sustainable Environment
- S. Southern Appalachian Man and the Biosphere
- T. Virginia Polytechnic Institute and State University
- U. Discover Life in America
- V. University of North Carolina Asheville
- W. **East Tennessee State University**
- X. **Tennessee Aquarium Conservation Institute**

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

A. 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.

\_\_\_\_\_  
[Print Name]:  
[Print Title]:

\_\_\_\_\_  
Date

\_\_\_\_\_  
[Print Name]:  
[Print Title]:

\_\_\_\_\_  
Date

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

**B. U.S. Fish and Wildlife Service**

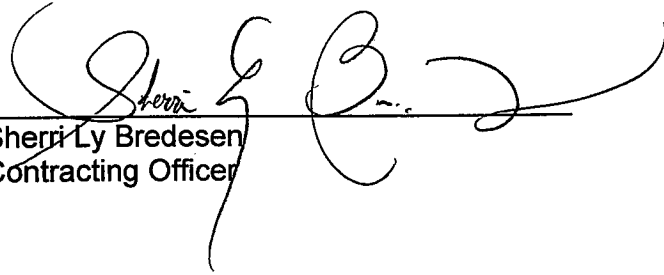
Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

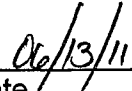
\_\_\_\_\_  
Don Calder  
Chief, Contracting and Grant Services Division

\_\_\_\_\_  
Date

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

C. U.S. Geological Survey

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

  
\_\_\_\_\_  
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.

\_\_\_\_\_  
[Print Name]:  
[Print Title]:

\_\_\_\_\_  
Date

\_\_\_\_\_  
[Print Name]:  
[Print Title]:

\_\_\_\_\_  
Date

\_\_\_\_\_  
[Print Name]:  
[Print Title]:

\_\_\_\_\_  
Date



**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

E. USDA Forest Service, Southern Research Station

*Felipe Sanchez*  
for Jimmy L. Reaves ROB Doudrick  
Station Director

6/3/11  
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

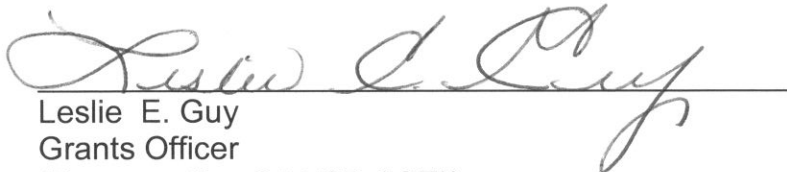
G. Natural Resources Conservation Service

  
\_\_\_\_\_  
ELORIS D. SPEIGHT  
Deputy Chief for Management

6/30/11  
Date

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

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

  
\_\_\_\_\_  
Leslie E. Guy  
Grants Officer  
(Representing ODUSD (I&E))

8-Jul-11  
Date

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

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

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.

\_\_\_\_\_  
[Print Name]:

[Print Title]:

\_\_\_\_\_  
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

I. The University of Tennessee

  
\_\_\_\_\_  
[Print Name]:  
[Print Title]: **Melinda Jones**  
Budget Director  
UT AgResearch

6/9/2011  
Date

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

J. Appalachian State University



[Print Name]: Lorin A. Baumhover, Ph. D.  
[Print Title]: Interim Provost and Executive Vice  
Chancellor

6-20-11  
Date

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

K. 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.

\_\_\_\_\_  
[Print Name]:

[Print Title]:

\_\_\_\_\_  
Date

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

L. Lincoln Memorial University

Ronald S. Caldwell

[Print Name]:

[Print Title]:

11 July 2011  
Date



ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)


M. Middle Tennessee State University

  
[Print Name]: **John W. Cothorn**  
[Print Title]: **Senior Vice President**

6/8/11  
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

N. Tennessee Technological University

  
\_\_\_\_\_  
[Print Name]:  
[Print Title]: Francis Otuonye, Ph.D.  
*Asst.* VP for Research/Graduate Studies

7/7/2011  
Date

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

O. University of Kentucky



[Print Name]: TERRELL T. BAKER  
[Print Title]: DEPT. CHAIR, DEPT. OF FORESTRY

13 JUNE 2011  
Date

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

P. Western Carolina 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.

\_\_\_\_\_  
[Print Name]:

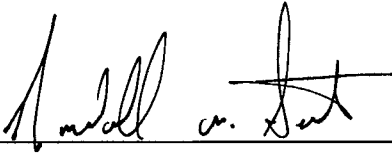
[Print Title]:

\_\_\_\_\_  
Date



**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

R. Institute for a Secure and Sustainable Environment

A handwritten signature in black ink, appearing to read "Randall Gentry", written over a horizontal line.

06/06/2011

Date

Randall Gentry  
Director

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

S. Southern Appalachian Man and the Biosphere

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.

\_\_\_\_\_  
[Print Name]:  
[Print Title]

\_\_\_\_\_  
Date

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

T. Virginia Polytechnic Institute and State University



6/6/2011  
Date

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[Print Name]: Janaki R. R. Alavalapati  
[Print Title] Professor and Department Head  
Department of Forest Resources and  
Environmental Conservation



**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

U. Discover Life in America



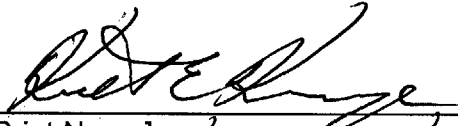
[Print Name]:  
[Print Title]

7/15/2011  
Date

TODD P. WITCHER  
EXECUTIVE DIRECTOR

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

V. University of North Carolina Asheville



[Print Name]:

KEITH E. KRUMPE

[Print Title]

DEAN OF NATURAL SCIENCES  
and PROFESSOR OF CHEMISTRY

7/11/11  
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

W. East Tennessee State University

*William R. Duncan*

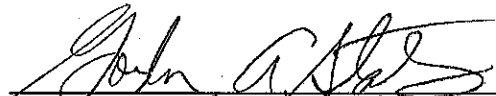
[Print Name]: Dr. William R. Duncan  
[Print Title] Vice Provost for Research

*5/25/11*

Date

**ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)**

**X. Tennessee Aquarium Conservation Institute**

  
\_\_\_\_\_  
[Print Name] Gordon A. Stakus  
[Print Title] Div. of Finance

5/13/11  
Date