

**PIEDMONT SOUTH ATLANTIC COAST
COOPERATIVE ECOSYSTEM STUDIES UNIT**

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

between

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

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

and

UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC. (HOST)

**Auburn University
Clemson University
Florida A&M University
North Carolina State University
University of Central Florida
University of Florida
Audubon of Florida
Audubon of North Carolina
Audubon of South Carolina
East Carolina University**

**University of South Carolina
Towson University
University of South Florida
Christopher Newport University
The Citadel
University of North Carolina Wilmington
University of West Georgia
Duke University
University of North Carolina – Chapel Hill
National Wildlife Federation
The Orianne Society
College of Charleston
Georgia Department of Natural Resources-Wildlife Resources Division
Marshall University**

**Adding:
Amphibian and Reptile Conservancy
Georgia Tech Research Institute (on behalf of Georgia Institute of Technology)
Georgia Southern University
University of North Florida**

With the exception of the changes below, all terms and conditions of the Piedmont South Atlantic Coast CESU Agreement apply to this Amendment, and this Amendment is hereby made part of the Agreement.

ARTICLE I. BACKGROUND AND OBJECTIVES

N.1. Amphibian and Reptile Conservancy, Georgia Tech Research Institute (on behalf of Georgia Institute of Technology), Georgia Southern University, and University of North Florida and hereby included in the Piedmont-South Atlantic Coast CESU as Partner Institutions.

ARTICLE III. TERM OF AGREEMENT

- A.1. The effective date of the Piedmont South Atlantic Coast CESU Cooperative and Joint Venture Agreement is 1 July 2013.
- A.2. The effective date of this Amendment to the Piedmont South Atlantic Coast CESU Cooperative and Joint Venture Agreement shall be determined from the date of the last signature to this Amendment.

ARTICLE IV. KEY OFFICIALS

C.25. The technical representative for the Amphibian and Reptile Conservancy is:

Jeff Holmes
Executive Director
Amphibian and Reptile Conservancy
1622 Ordway Place
Nashville, TN 37206
Phone: 615-226-8418
Email: jholmes@amphibiansreptiles.org

C.26. The technical representative for the Georgia Tech Research Institute (on behalf of Georgia Institute of Technology) is:

Kevin Caravati
Senior Research Scientist
Georgia Tech Research Institute
ATAS-Energy & Sustainability
640 Strong Street
Atlanta, GA 30080
Phone: 404-407-8058
Email: Kevin.Caravati@gtri.gatech.edu

C.27. The technical representative for Georgia Southern University is:

Dr. Daniel Gleason
Director, Institute for Coastal Plain Science
Georgia Southern University
P. O. Box 8056
Statesboro, GA 30460-8056
Phone: 912-478-5957
Fax: 912-478-0559
Email: dgleason@georgiasouthern.edu

C.28. The technical representative for the University of North Florida is:

John Kantner, PhD, RPA
Associate Vice President for Research & Dean of the Graduate School
University of North Florida
1 UNF Drive
Jacksonville, FL 32224
Phone: 904-620-4650
Fax: 904-620-2457
Email: j.kantner@unf.edu

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES

The following authorizing signatures are attached to this Amendment:

U.S. DEPARTMENT OF THE INTERIOR

- A. Bureau of Land Management
- B. Bureau of Ocean Energy Management
- C. U.S. Fish and Wildlife Service
- D. U.S. Geological Survey
- E. National Park Service

U.S. DEPARTMENT OF AGRICULTURE

- F. U.S. Forest Service
- G. Natural Resources Conservation Service

U.S. DEPARTMENT OF DEFENSE

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

U.S. Department of Commerce

- J. National Oceanic and Atmospheric Administration

K. THE UNIVERSITY OF GEORGIA RESEARCH FOUNDATION, INC.

- L. Auburn University
- M. Clemson University
- N. Florida A&M University
- O. North Carolina State University
- P. University of Central Florida
- Q. University of Florida
- R. Audubon of Florida
- S. Audubon of North Carolina
- T. Audubon of South Carolina
- U. East Carolina University
- V. University of South Carolina
- W. Towson University
- X. University of South Florida
- Y. Christopher Newport University
- Z. The Citadel
- AA. University of North Carolina Wilmington
- BB. University of West Georgia
- CC. Duke University
- DD. University of North Carolina-Chapel Hill
- EE. National Wildlife Federation
- FF. The Orianne Society
- GG. College of Charleston
- HH. Georgia Department of Natural Resources Wildlife Resources Division

II. Marshall University

JJ. Amphibian and Reptile Conservancy

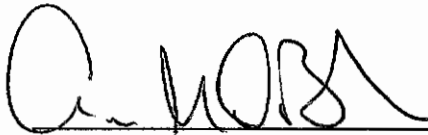
KK. Georgia Tech Research Institute (on behalf of Georgia Institute of Technology)

LL. Georgia Southern University

MM. University of North Florida

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

A. Bureau of Land Management

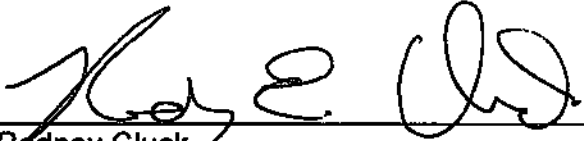
A handwritten signature in black ink, appearing to read "Ann DeBlasi", written over a horizontal line.

Ann DeBlasi
Acting State Director

1/21/16
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

B. Bureau of Ocean Energy Management

 12/15/15 _____
Rodney Cluck Date
Chief, Division of Environmental Sciences

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

C. 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.

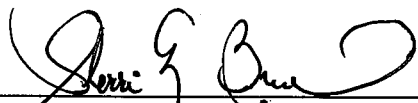
Don Calder

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

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

D. U.S. Geological Survey



Sherri Ly Bredesen
Contracting Officer

12/21/15
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

E. 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
Regional Director
Southeast Region

Date

Rose M. McClelland
Contracting Officer

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

F. U.S. Forest Service

Robert L. Doudrick

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

12/15/2015

Date

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

Joyce M. Gorgas

Joyce M. Gorgas
Lead Grants Management Specialist
Southern Research Station

12/15/15

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

G. Natural Resources Conservation Service

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Thomas W. Christensen
Associate Chief for Operations

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

H. 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 XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

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

**MCGUFFIE.JERI.
H.1230779046**

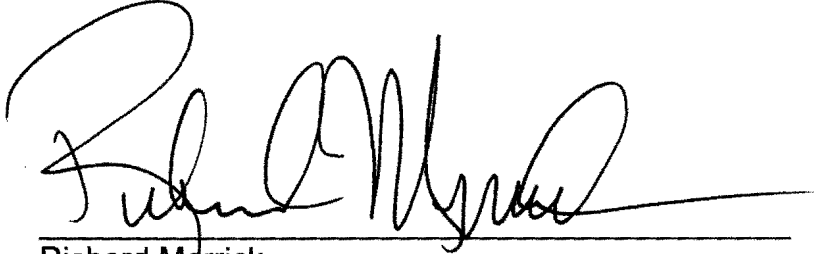
Digitally signed by
MCGUFFIE.JERI.H.1230779046
DN: c=US, o=U.S. Government, ou=DoD,
ou=PKI, ou=USA,
cn=MCGUFFIE.JERI.H.1230779046
Date: 2015.12.15 11:50:49 -06'00'

Jeri McGuffie
Grants Officer

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

J. National Oceanic and Atmospheric Administration


A handwritten signature in black ink, appearing to read 'Richard Merrick', written over a horizontal line.

Richard Merrick
Director of Scientific Programs & Chief Science Advisor
National Oceanic and Atmospheric Administration CESU Lead

12/15/15
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

K. The University of Georgia Research Foundation, Inc. (HOST)



~~Jacob Maas~~ Melissa Mottley
~~Senior Grants Officer~~ Assistant Director of Pre-Award

12/22/2015
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

L. Auburn University



Gene Taylor
Director
Office of Sponsored Programs

12/18/15

FOR

John M. Mason
Vice President for Research
and Economic Development

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

M. Clemson 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.

R. Larry Dooley
Interim Vice President for Research

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

N. Florida Agricultural and Mechanical 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.

K. Ken Redda, Ph.D.
Professor and Acting Vice President for Research

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

O. North Carolina State University

for Martina Krzywicki
Matt Ronning Jeffrey M. Cheek, Ph.D.
Associate Vice Chancellor

Martina Krzywicki
Assistant Director
Sponsored Programs
NC State University

1/7/2016
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

The
P. University of Central Florida Board of Trustees



Tamara E. Gabrus
Tamara Gabrus
Sr. Proposal Manager

12/23/15
Date

Approved as to form and Legality
SS, 12/22/2015

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Q. University of Florida



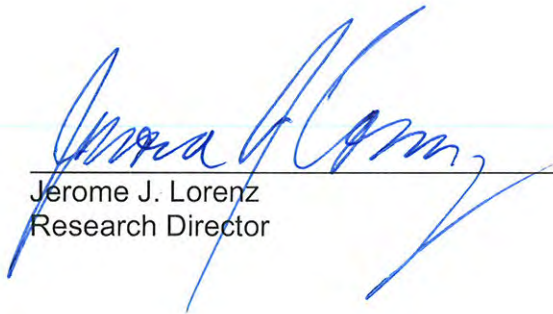
Brian Prindle
Associate Director of Research



Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

R. Audubon of Florida

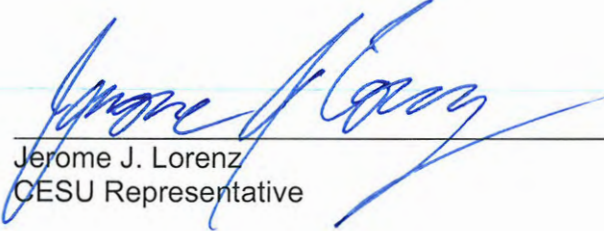


Jerome J. Lorenz
Research Director


Dec 18 2015
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

S. Audubon of North Carolina



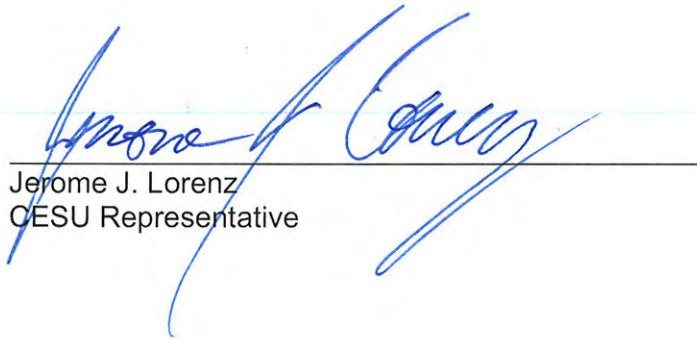
Jerome J. Lorenz
CESU Representative



Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

T. Audubon of South Carolina




Jerome J. Lorenz
CESU Representative

Dec 18 2015
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

U. East Carolina University


Director, Office of
Sponsored Programs

Barbara H. Gray
2015.12.16 16:36:16
-05'00'

Barbara H. Gray
Director, Office of Sponsored Programs

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

V. University of South Carolina

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 Coggins
Director, Office of Sponsored Awards Management

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

W. Towson 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.

Joseph Oster
Vice President for Administration and Finance

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

X. University of South Florida Board of Trustees, a public body corporate


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.

Rebecca Puig
Associate Vice President for Research & Innovation

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Y. Christopher Newport University



~~Mark Padilla~~ David C. Doughty, Jr.
Provost



Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

Z. The Citadel

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.

BG Thomas J. Elzey
Executive Vice President

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

AA. University of North Carolina Wilmington


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Dr. Ron Vetter
Associate Provost for Research
And Dean of the Graduate School

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

BB. University of West Georgia



~~Dr. Michael Horvath~~ Denise Overfield
~~Provost and Vice President for Academic Affairs~~
Associate Vice President for
Research

1/4/16
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

CC. Duke University



Keith Hurka-Owen, CRA
Associate Director, Office of Research Support

12/21/15
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

DD. University of North Carolina-Chapel Hill

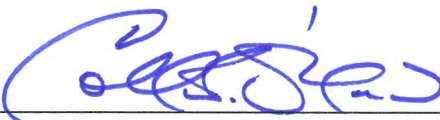


Barbara Entwisle
Vice Chancellor for Research

12/17/15
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

EE. National Wildlife Federation



Larry J. Schweiger
President and CEO

Collin P. O'Mara

12-21-15
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

FF. The Orianne Society

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Christopher L. Jenkins
CEO & Executive Director

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

GG. College of Charleston



Brian McGee
Provost

12/24/15
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

HH. Georgia Department of Natural Resources, Wildlife Resources Division

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.

Dan Forster
Director

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

II. Marshall 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.

John M. Maher, Ph.D.
Executive Director, MU Research Corporation

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

JJ. Amphibian and Reptile Conservancy



[print name]: Jeffrey N. Holmes
[print title]: Executive Director

12-3-15
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

KK. Georgia Tech Research Institute
(on behalf of Georgia Institute of Technology)



Russell L. Robert

[print name]:

[print title]:

Laboratory Director
GTI/ATAS

23 Nov 15

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

LL. Georgia Southern University *Research & Service Foundation*

Eleanor Haynes

[print name]: *Eleanor Haynes*
[print title]: *Interim Executive Director*

12/3/15
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

MM. University of North Florida



[print name]: John Kantner
[print title]: Associate Vice President for Research

11/23/15
Date