

**GULF COAST  
COOPERATIVE ECOSYSTEM STUDIES UNIT**

**AMENDMENT FIVE to  
COOPERATIVE and JOINT VENTURE AGREEMENT**

**between**

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

**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**

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

**NATIONAL AERONAUTICS AND SPACE ADMINISTRATION**

**and**

**Texas Agricultural Experiment Station – d.b.a. Texas AgriLife Research (Host)  
Auburn University  
Louisiana State University  
Mississippi State University  
Texas A&M University – Corpus Christi  
Texas A&M University at Galveston  
Texas A&M University – Kingsville  
Troy University  
University of Central Florida  
University of Florida**

**University of Georgia Research Foundation, Inc.  
University of Louisiana at Lafayette  
University of Texas, Austin  
The Nature Conservancy of Texas  
Stephen F. Austin State University  
University of New Orleans  
The University of West Florida  
Tarleton State University  
Sul Ross State University  
University of Arkansas at Monticello  
University of Arkansas Division of Agriculture  
Houston Advanced Research Center (HARC)  
Southern University and A&M College  
Bat Conservation International  
University of Texas at Brownsville  
Florida State University  
University of Arkansas Pine Bluff  
Texas AgriLife Extension Service  
Valdosta State University  
Dauphin Island Sea Lab**

**Adding:**

**Columbus State University**

With the exception of the changes below, all terms and conditions of the Gulf Coast 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.4. Columbus State University is hereby included in the Gulf Coast CESU as a Partner Institution.

#### **ARTICLE III. TERM OF AGREEMENT**

A.1. The effective date of the Gulf Coast CESU Cooperative and Joint Venture Agreement is 2 August 2007.

A.2. The effective date of this Amendment to the Gulf 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.29. The technical representative for Columbus State University is:

Julie Ballenger  
Professor of Biology  
Columbus State University  
4225 University Avenue  
Columbus, GA 31907  
Phone: (706) 569-3015  
Fax: (706) 569-3133  
[ballenger\\_julie@columbusstate.edu](mailto:ballenger_julie@columbusstate.edu)

Troy Keller  
Department of Earth and Space Science  
Columbus State University  
4225 University Avenue  
Columbus, GA 31907  
Phone: (706) 507-8099  
Fax: (706) 569-3133  
[keller\\_troy@columbusstate.edu](mailto:keller_troy@columbusstate.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. U.S. Geological Survey
- C. National Park Service
- D. U.S. Fish and Wildlife Service
- E. Bureau of Ocean Energy Management

### U.S. DEPARTMENT OF AGRICULTURE

- F. U.S. 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. U.S. Army Corps of Engineers – Civil Works

### U.S. DEPARTMENT OF COMMERCE

- J. National Oceanic and Atmospheric Administration

## K. NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

- L. Texas Agricultural Experiment Station – d.b.a. Texas AgriLife Research (Host)
- M. Auburn University
- N. Louisiana State University
- O. Mississippi State University
- P. Texas A&M University – Corpus Christi
- Q. Texas A&M University at Galveston
- R. Texas A&M University – Kingsville
- S. Troy University
- T. University of Central Florida
- U. University of Florida
- V. University of Georgia Research Foundation, Inc.
- W. University of Louisiana at Lafayette
- X. University of Texas, Austin
- Y. The Nature Conservancy of Texas
- Z. Stephen F. Austin State University
- AA. University of New Orleans
- BB. The University of West Florida
- CC. Tarleton State University
- DD. Sul Ross State University
- EE. University of Arkansas at Monticello
- FF. University of Arkansas Division of Agriculture
- GG. Houston Advanced Research Center (HARC)
- HH. Southern University and A&M College
- II. Bat Conservation International
- JJ. University of Texas at Brownsville
- KK. Florida State University
- LL. University of Arkansas Pine Bluff
- MM. Texas AgriLife Extension Service
- NN. Valdosta State University
- OO. Dauphin Island Sea Lab
- PP. Columbus State University**

**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.

\_\_\_\_\_  
Dr. John G. Lyon  
State Director, Eastern States

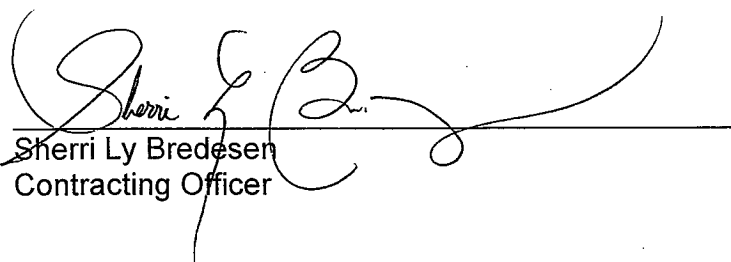
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Date

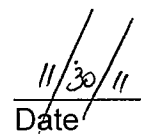
\_\_\_\_\_  
Lisa T. Clayton  
Grants Management Officer

\_\_\_\_\_  
Date

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

B. U.S. Geological Survey

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

  
\_\_\_\_\_  
Date

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

C. 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.

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David Vela  
Regional Director  
Southeast Region

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Date

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

D. 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.

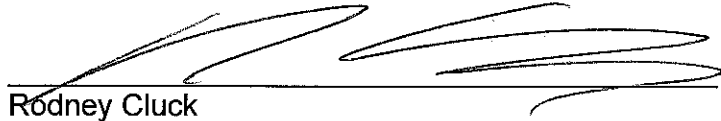
\_\_\_\_\_  
Alexandra Pitts  
Deputy Regional Director, Region 8

\_\_\_\_\_  
Date



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

E. Bureau of Ocean Energy Management, Regulation and Enforcement

  
\_\_\_\_\_  
Rodney Cluck  
Chief, Environmental Sciences Branch

11/30/11  
Date

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

F. U.S. Forest Service, Southern Research Station

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.

\_\_\_\_\_  
Robert L. Doudrick  
Station Director

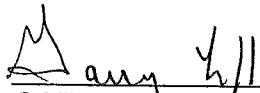
\_\_\_\_\_  
Date

\_\_\_\_\_  
Joyce M. Gorgas  
Lead Grant and Agreement Specialist  
Southern Research Station

\_\_\_\_\_  
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

G. Natural Resources Conservation Service

  
\_\_\_\_\_  
GARRY LEE  
Acting Deputy Chief for Management

12.21.01  
Date

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

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

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

30 Nov 2011  
Date

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

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



Digitally signed by  
SONTAG.DEANNDA.S.1230791909  
DN: c=US, o=U.S. Government,  
ou=DoD, ou=PKI, ou=USA,  
cn=SONTAG.DEANNDA.S.1230791909  
Date: 2012.01.03 11:02:37 -06'00'

3 Jan 2012

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Deanna Sontag  
Grants Officer

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Date

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

J. National Oceanic and Atmospheric Administration

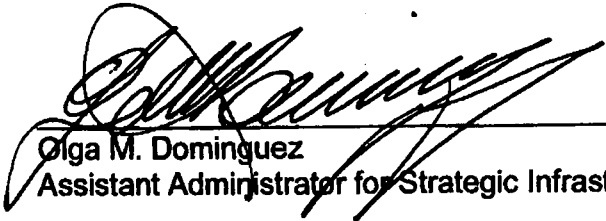
Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

\_\_\_\_\_  
Gary Reisner  
Director, Management and Budget Office  
National Marine Fisheries Service  
National Oceanic and Atmospheric Administration

\_\_\_\_\_  
Date

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


K. National Aeronautics and Space Administration

  
\_\_\_\_\_  
Olga M. Dominguez  
Assistant Administrator for Strategic Infrastructure

1/9/12  
Date

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

L. Texas Agricultural Experiment Station – d.b.a. AgriLife Research (Host)

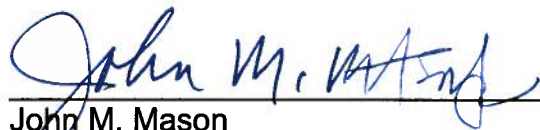
  
\_\_\_\_\_  
Dr. Craig Nessler  
Director, AgriLife Research

1/3/2012  
Date



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

M. Auburn University

A handwritten signature in blue ink that reads "John M. Mason". The signature is written in a cursive style and is positioned above a horizontal line.

John M. Mason  
Associate Provost and Vice President for Research

1-3. 2012  
Date

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

N. Louisiana State University

  
\_\_\_\_\_  
Darya Courville  
Interim Director, Office of Sponsored Programs

12/12/11  
Date

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

O. Mississippi State University

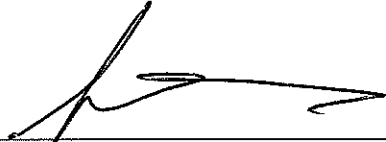


Richard Swann, Director  
Sponsored Programs Administration

11/30/2011  
Date

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

P. Texas A&M University, Corpus Christi

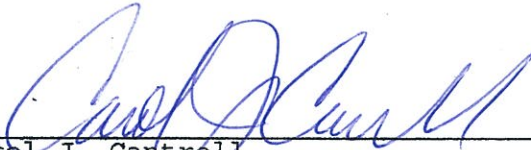


\_\_\_\_\_  
Luis A. Cituentes, Ph.D.  
Dean of Graduate Education and  
Associate Vice President for Research

1-10-12  
Date


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

Q. Texas A&M University on behalf of Texas A&M University at Galveston

  
\_\_\_\_\_  
Carol J. Cantrell  
Senior Associate Vice President  
for Research Administration

12-7-11  
Date

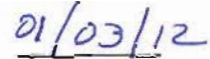
Recommended for approval:

  
\_\_\_\_\_  
Dr. Antoinetta Quigg  
Associate Vice President  
for Research Development  
Texas A&M University at Galveston

12-6-11  
Date

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

R. Texas A&M University, Kingsville



\_\_\_\_\_  
Ms. Sandra D. Garcia  
Director and Authorized Institutional Representative  
Office of Research and Sponsored Programs

\_\_\_\_\_  
Date

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

S. Troy 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.

\_\_\_\_\_  
Dr. Jack Hawkins, Jr.  
Chancellor

\_\_\_\_\_  
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

T. University of Central Florida

  
\_\_\_\_\_  
Josephine Combs, Contract Manager  
Office of Research and Commercialization

11/29/2011  
Date



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

U. University of Florida



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Brian Prindle  
Associate Director of Research


11/29/11

---

Date

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

V. University of Georgia Research Foundation, Inc.



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Jacob Maas  
Senior Grants Officer  
Office of the Vice President for Research

11/30/2011  
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

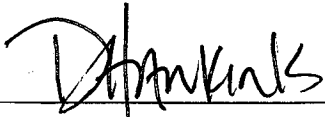
W. University of Louisiana at Lafayette

  
\_\_\_\_\_  
Carolyn Bruder  
Interim Provost

  
\_\_\_\_\_  
Date

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

X. University of Texas, Austin



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David Hawkins  
Associate Director  
Office of Sponsored Projects

January 23, 2012  
Date

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

Y. The Nature Conservancy

Handwritten signature of James Bergan in black ink, written over a horizontal line.

James Bergan  
Director of Freshwater and Wetland Conservation, Louisiana

11/30/11

Date

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


Z. Stephen F. Austin State University

  
\_\_\_\_\_  
Dr. Baker Pattillo  
President

1-11-12  
Date

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

AA. University of New Orleans

  
\_\_\_\_\_  
Dr. Joe M. King  
Acting Chancellor

  
\_\_\_\_\_  
Date

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

BB. The University of West Florida



Digitally signed by Richard S. Podemski, PhD  
DN: cn=Richard S. Podemski, PhD, o=The University  
of West Florida, ou=Research and Sponsored  
Programs, email=rpodemski@uwf.edu, c=US  
Date: 2011.12.05 17:05:19 -06'00'

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Dr. Richard Podemski  
Associate Vice President for Research


---

Date



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

CC. Tarleton State University

  
\_\_\_\_\_

Dr. F. Dominic Dottavio  
President

12/12/11  
Date

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

DD. Sul Ross State University



\_\_\_\_\_  
Dr. Ricardo Maestas  
President

12-7-11

Date

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

EE. University of Arkansas at Monticello

  
\_\_\_\_\_  
Dr. H. Jack Lassiter  
Chancellor

  
\_\_\_\_\_  
Date

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

FF. University of Arkansas Division of Agriculture



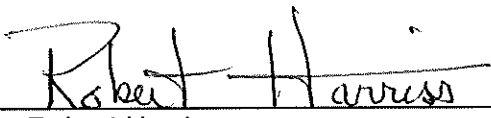
\_\_\_\_\_  
Rick Roeder  
Interim Associate Vice President

1/4/12

Date

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

GG. Houston Advanced Research Center

  
\_\_\_\_\_

Dr. Robert Harriss  
President

1/12/12  
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

H.H. Southern University and A&M College

  
\_\_\_\_\_

Dr. James Llorens, Chancellor

  
\_\_\_\_\_

Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

II. Bat Conservation International





\_\_\_\_\_  
David L. Waldien  
Vice President of Operations and International Programs

11/30/11  
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

JJ. University of Texas at Brownsville

  
\_\_\_\_\_  
Daniel J. Heimmermann  
Dean, College of Liberal Arts

  
\_\_\_\_\_  
Date



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

KK. Florida State University

  
\_\_\_\_\_  
Dr. Kirby W. Kemper  
Vice President for Research

1/4/2012  
Date

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

LL. University of Arkansas Pine Bluff



\_\_\_\_\_  
Dr. Lawrence A. Davis, Jr.  
Chancellor

11/2/11  
Date

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

MM. Texas AgriLife Extension Service

  
\_\_\_\_\_

*ds*  
Dr. Ed Smith  
Director, AgriLife Extension

1-4-2012  
Date

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

NN. Valdosta State University




\_\_\_\_\_  
Philip L. Gunter, Ph.D.  
Provost & Vice President for Academic Affairs

12/5/11

\_\_\_\_\_  
Date

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

OO. Dauphin Island Sea Lab

  
\_\_\_\_\_  
Dr. John F. Valentine, Executive Director  
Dauphin Island Sea Lab

11/30/2011  
\_\_\_\_\_  
Date

ARTICLE XIV. AMENDMENT AUTHORIZING SIGNATURES (cont.)

PP. Columbus State University



[Print Name]: John Thomas Helton  
[Print Title]: Vice President  
Business and Finance

11/28/11  
Date