

**CALIFORNIAN
COOPERATIVE ECOSYSTEM STUDIES UNIT**

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

between

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

**U.S. DEPARTMENT OF AGRICULTURE
U.S. Forest Service
Natural Resources Conservation Service**

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

**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 CALIFORNIA (HOST)
(UC-Berkeley, UC-Davis, UC-Irvine, UC-Los Angeles, UC-Merced,
UC-Riverside, UC-San Diego, UC-Santa Barbara, UC-Santa Cruz)**

**San Francisco State University
California State University, Fresno
California State University, Los Angeles**

**Cal Poly Corporation, California Polytechnic State University
CSU, Chico Research Foundation, California State University, Chico
Humboldt State University
California State University, Northridge
California State University, Stanislaus
California Department of Fish and Wildlife (formerly CA Dept. of Fish and Game)
California State University, Channel Islands
The Institute for Bird Populations
San Diego State University Research Foundation
Institute for Wildlife Studies
Santa Barbara Botanic Garden
California Invasive Plant Council
University Corporation at Monterey Bay (CSU, Monterey Bay)
Occidental College
Zoological Society of San Diego d/b/a San Diego Zoo Global
California State University, Sacramento (Sacramento State)
San Bernardino County Museum
San Diego Natural History Museum
Carnegie Mellon University
CSU Fullerton Auxiliary Services Corporation
(on behalf of California State University, Fullerton)
Cal Poly Pomona Foundation, Inc.
(on behalf of California State Polytechnic University, Pomona)**

**Adding:
Bureau of Indian Affairs
California Association of Resource Conservation Districts
Point Blue Conservation Science**

With the exception of the changes below, all terms and conditions of the Californian Cooperative Ecosystem Studies Unit (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

- A.1. The Bureau of Indian Affairs (BIA) is hereby included in the Californian CESU as a Federal Agency Partner.
- P.5. California Association for Resource Conservation Districts and Point Blue Conservation Science are hereby included in the Californian CESU as Partner Institutions.
- Q. 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 THE AGREEMENT

A.1. The effective date of the Californian CESU Cooperative and Joint Venture Agreement is 01 July 2013.

A.3. The effective date of this Amendment to the Californian CESU Cooperative and Joint Venture Agreement shall be determined from the date of the last signature to this Amendment.

ARTICLE IV. KEY OFFICIALS

A.L. 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.25. The technical representative for the California Association for Resource Conservation Districts is:

Karen Buhr
Executive Director
801 K St, 18th Floor
Sacramento, CA 95814
Phone: (916) 524-2100
karen-buhr@carcd.org

C.26. The technical representative for Point Blue Conservation Science is:

Dan Robinette, M.Sc.
Coastal Marine Program Leader
Point Blue Vandenberg Field Station
205 North H Street, Suite 217
Lompoc, CA 93436
Phone: (805) 735-7300
drobinette@pointblue.org

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

U.S. DEPARTMENT OF AGRICULTURE

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

J. NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

U.S. DEPARTMENT OF DEFENSE

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

U.S. DEPARTMENT OF COMMERCE

- M. National Oceanic and Atmospheric Administration

N. UNIVERSITY OF CALIFORNIA (HOST)

- O. San Francisco State University
- P. California State University, Fresno
- Q. California State University, Los Angeles
- R. Cal Poly Corporation, California Polytechnic State University
- S. CSU, Chico Research Foundation, California State University, Chico
- T. Humboldt State University
- U. California State University, Northridge
- V. California State University, Stanislaus
- W. California Department of Fish and Wildlife
- X. California State University, Channel Islands
- Y. The Institute for Bird Populations
- Z. San Diego State University Research Foundation
- AA. Institute for Wildlife Studies
- BB. Santa Barbara Botanic Garden
- CC. California Invasive Plant Council
- DD. University Corporation at Monterey Bay (California State University, Monterey Bay)
- EE. Occidental College
- FF. Zoological Society of San Diego d/b/a San Diego Zoo Global
- GG. California State University, Sacramento (Sacramento State)
- HH. San Bernardino County Museum
- II. San Diego Natural History Museum
- JJ. Carnegie Mellon University
- KK. CSU Fullerton Auxiliary Services Corporation
- LL. Cal Poly Pomona Foundation, Inc.
- MM. California Association of Resource Conservation Districts**
- NN. Point Blue Conservation Science**

OO. ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

A. Bureau of Land Management



Jerome E. Perez
California State Director

March 21, 2016.
Date

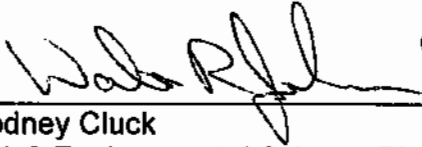


Leona B. Parker
Grants & Agreements Specialist
California State Office

2/25/2016
Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

B. Bureau of Ocean Energy Management

 (acting)

Rodney Cluck
Chief, Environmental Science Division

2/25/2016
Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

C. Bureau of Reclamation



Brenda Davis
Manager of Acquisition Services

2/25/2016
Date

ARTICLE XIV. 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.

Jamie Sherrill
Contracts/Agreements Team Leader

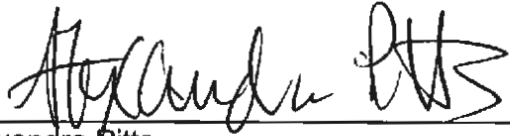
Date

Christine S. Lehnertz
Regional Director
Pacific West Region

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

E. U.S. Fish and Wildlife Service

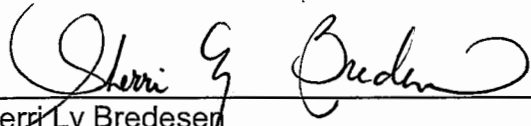


Alexandra Pitts
Deputy Regional Director

4.5.16
Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

F. U.S. Geological Survey

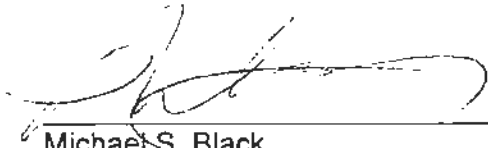


Sherri Ly Bredesen
Contracting Officer

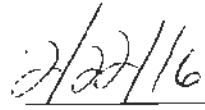
03/01/16
Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

G. Bureau of Indian Affairs



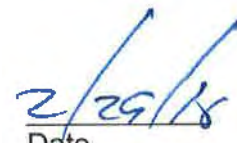
Michael S. Black
Director, Bureau of Indian Affairs
U.S. Department of the Interior



Date



Mark Boughton
Grants Management Specialist



Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

H. U.S. Forest 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.

Alexander L. Friend
Station Director

Date

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

Jennifer R. Jones
Grants and Agreements Specialist
Pacific Southwest Research Station

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

I. 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

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

J. National Aeronautics and Space 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.

Olga M. Dominguez
Assistant Administrator for Strategic Architecture

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

K. 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. AUTHORIZING SIGNATURES (cont.)

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

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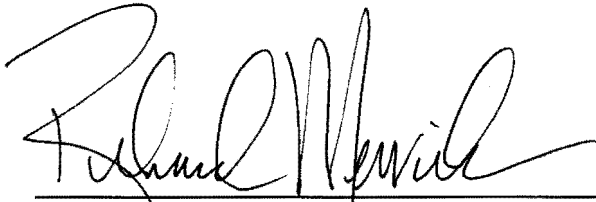
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Date: 2016.02.25 15:31:04 -06'00'

Jeri McGuffie
Grants Officer

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

M. National Oceanic and Atmospheric Administration



Richard Merrick
Director of Scientific Programs & Chief Science Advisor

3/6/16
Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

N. UNIVERSITY OF CALIFORNIA (HOST), systemwide authorization



Lourdes G. DeMattos
Contract and Grant Officer

3/29/16
Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

O. San Francisco 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.

Stephen C. Smith
Director of Procurement

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

P. California State University, Fresno

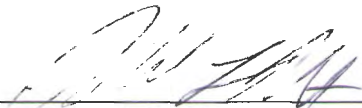


Thomas McClanahan
Associate Vice President, ORSP

4/7/16
Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

Q. California State University, Los Angeles



Philip S. LaPolt, Ph.D.

3/18/14
Date

Associate Vice President for Research and Academic Personnel

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

R. Cal Poly Corporation, California Polytechnic State University



Melissa Mullen
Sponsored Programs Manager

3-18-16
Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

S. CSU, Chico Research Foundation, California State University, Chico



Dr. Kevin M. Kelley, Ph.D.
Associate Vice President
Research and Sponsored Programs

5/24/2016

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

T. Humboldt State University



Steve Karp
Director, Sponsored Programs Foundation

3/23/16.
Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

U. California State University, Northridge

Scott Perez

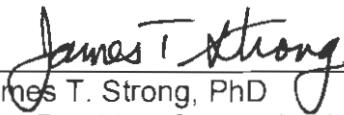
Digitally signed by Scott Perez
DN: cn=Scott Perez, o=California State
University, Northridge, ou=Research and
Sponsored Projects,
email=scott.perez@csun.edu, c=US
Date: 2016.03.29 16:50:18 -07'00'

Scott Pérez
Director, Research and Sponsored Projects

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

V. California State University, Stanislaus



James T. Strong, PhD
Vice President for Academic Affairs/Provost

3.18.16

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

W. California Department of Fish and Wildlife

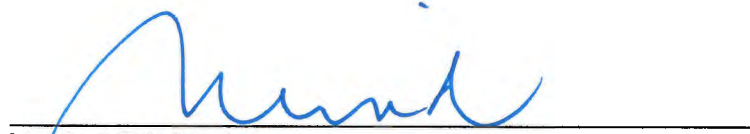
Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

Charlton H. Bonham
Director

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

X. California State University, Channel Islands



Ysabel Trinidad
Vice President Finance and Administration

18-MARCH-2016
Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

Y. The 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 XIV. AUTHORIZING SIGNATURES (cont.)

Z. San Diego State University Research Foundation

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.

Sandra M. Nordahl, CRA
Director, Sponsored Research Contracting and Compliance

date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

AA. Institute for Wildlife Studies




David Garcelon
President

3/18/16

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

BB. Santa Barbara Botanic Garden



Steve Windhager, Ph.D.
Executive Director

4/11/2016
Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

CC. California Invasive Plant Council

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.

Doug Johnson
Executive Director

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

DD. University Corporation at Monterey Bay (California State University, Monterey Bay)

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.

Cynthia E. Lopez
Director of Sponsored Programs

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

EE. Occidental College

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Jorge G. Gonzalez
Dean and Vice President of Academic Affairs

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

FF. Zoological Society of San Diego d/b/a San Diego Zoo Global

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.

Douglas G. Myers
President/CEO

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

GG. California State University, Sacramento (Sacramento State)

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David Earwicker
Assistant Vice President, Office of Research Administration

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

HH. San Bernardino County Museum

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 McKernan
Museum Director

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

II. San Diego Natural History Museum



Michael A. Wall
Vice President of RaPP

3-22-16

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

JJ. Carnegie Mellon University



Linda Feuster
Interim Director, Office of Sponsored Programs

3/21/16
Date

Linda S. Feuster
Assoc. VP of Sponsored Programs



ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

KK. CSU Fullerton Auxiliary Services Corporation (on behalf of California State University, Fullerton)



for Frank A. Mumford
Executive Director

3/17/16
Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

LL. Cal Poly Pomona Foundation, Inc. (on behalf of California State Polytechnic University, Pomona)

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.

G. Paul Storey
Executive Director

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

MM. California Association for Resource Conservation Districts

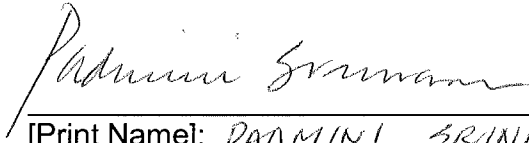


[Print Name]: Karen Buhr
[Print Title]: Executive Director

Date
February 22, 2016

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

NN. Point Blue Conservation Science



[Print Name]: PADMINI SRIVASTAVA
[Print Title]: CEO

2/2/2016
Date