

**Agreement Number(s)**  
BIA # BIA-PANO-CESU-2020  
BLM # BLM-PANO-CESU-2020  
BOEM # BOEM-PANO-CESU-2020  
USBR # USBR-PANO-CESU-2020  
FWS # FWS-PANO-CESU-2020  
USGS # USGS-PANO-CESU-2020  
NPS # NPS-PANO-CESU-2020  
USFS # 20-JV-11261944-113  
USFS NFS# see Nos. referenced below  
NRCs # NRC20MOU0010995  
NOAA # no number issued  
DOD # no number issued  
USACE # USACE-PANO-CESU-2020

**PACIFIC NORTHWEST  
COOPERATIVE ECOSYSTEM STUDIES UNIT**  
**AMENDMENT THREE to  
COOPERATIVE and JOINT VENTURE AGREEMENT**

**between**

**U.S. DEPARTMENT OF THE INTERIOR  
Bureau of Indian Affairs  
Bureau of Land Management  
Bureau of Ocean Energy Management  
U.S. Bureau of Reclamation  
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 COMMERCE  
National Oceanic and Atmospheric Administration**

**U.S. DEPARTMENT OF DEFENSE  
Office of the Assistant Secretary of Defense for Sustainment  
U.S. Army Corps of Engineers–Civil Works**

**and**

**UNIVERSITY OF WASHINGTON (HOST)**

**Central Washington University  
Eastern Washington University  
The Evergreen State College  
Heritage University  
Oregon Institute of Technology  
Oregon State University  
Portland State University  
Saint Mary's University of Minnesota  
Seattle University  
Southern Oregon University  
University of Alaska Anchorage**

**University of Alaska Southeast  
University of British Columbia  
University of Idaho  
University of Oregon  
University of Vermont  
Washington State University  
Western Washington University  
Alaska Department of Fish and Game  
Center for Natural Lands Management  
Institute for Applied Ecology  
Western Association of Fish and Wildlife Agencies  
Marine Ecology and Telemetry Research  
The Xerces Society**

With the exception of the changes below, all terms and conditions of the Pacific Northwest 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**

J.1. Section J. (U.S. Forest Service) is hereby amended, adding language for USFS National Forest System as follows:

USFS National Forest System. The mission of the Forest Service is to sustain the health, diversity, and productivity of the nation's forests and grasslands to meet the needs of present and future generations. The USFS is authorized to enter into agreements to cooperate with others in developing, planning, and implementing mutually beneficial projects that enhance Forest Service activities (Pub. L. 102-154). In accordance with the aforementioned authority, the USFS is authorized to enter into agreements to continue the Pacific Northwest CESU to promote, conduct, and provide research, studies, assessments, monitoring, technical assistance, and education. National Forest System funds are not authorized for research activities.

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

A.1. The effective date of the Pacific Northwest CESU Cooperative and Joint Venture Agreement is 15 August 2020.

A.2. The effective date of this Amendment to the Pacific Northwest CESU Cooperative and Joint Venture Agreement shall be the date of each Partner's signature. Each Partner will be assigned their own Master Challenge Cost Share Agreement No.

- A.3 Partner Institutions that do not sign this Amendment will remain ineligible to process new projects with the U.S. Forest Service National Forest System under this Agreement until their completed signature page has been received.

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

- A.8.a. The representatives for the U.S. Forest Service are hereby amended, adding representatives for National Forest System as follows:

*Technical Representative(s)*

Amarina Wuenschel  
Blue Mountains Area Ecologist  
Malheur, Umatilla, and Wallowa-Whitman National Forests  
U.S. Forest Service  
1550 Dewey Avenue  
Baker City, OR 97814  
Phone: (208) 301-1645  
amarina.e.wuenschel@usda.gov

*Administrative Representative(s)*

Jessica Clark  
Grants Management Specialist  
Pacific Northwest Region  
U.S. Forest Service  
1220 SW Third Avenue  
Portland, OR 97204  
jessica.clark@usda.gov

#### **ARTICLE XI: DOCUMENTS INCORPORATED BY REFERENCE**

The following is hereby incorporated into this Agreement by reference:

- C. U.S. Forest Service Master Challenge Cost Share Agreement (attached).

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

Per Article III.C., the following authorizing signatures are attached:

- H.1. U.S. Forest Service, National Forest System
- M. UNIVERSITY OF WASHINGTON (HOST)
- N. Central Washington University
- O. Eastern Washington University
- P. The Evergreen State College

- Q. Heritage University
- R. Oregon Institute of Technology
- S. Oregon State University
- T. Portland State University
- U. Saint Mary's University of Minnesota
- V. Seattle University
- W. Southern Oregon University
- X. University of Alaska Anchorage
- Y. University of Alaska Southeast
- Z. University of British Columbia
- AA. University of Idaho
- BB. University of Oregon
- CC. University of Vermont
- DD. Washington State University
- EE. Western Washington University
- FF. Alaska Department of Fish and Game
- GG. Center for Natural Lands Management
- HH. Institute for Applied Ecology
- II. Western Association of Fish and Wildlife Agencies
- JJ. Marine Ecology and Telemetry Research
- KK. The Xerces Society

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

H.1. U.S. Forest Service, National Forest System

JACQUELINE BUCHANAN  Digitally signed by  
JACQUELINE BUCHANAN  
Date: 2024.08.06 13:52:21  
-07'00'

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JACQUELINE A. BUCHANAN  
Regional Forester  
U.S. Forest Service, Pacific Northwest Region

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Date

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

JESSICA CLARK  Digitally signed by  
JESSICA CLARK  
Date: 2024.08.05  
12:19:28 -07'00'

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JESSICA CLARK  
Grants Management Specialist  
U.S. Forest Service

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Date

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

M. UNIVERSITY OF WASHINGTON (HOST)

UEI:

FS NFS Agreement No: 24-CS-11062770-383

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Carol Rhodes

Director, Office of Sponsored Programs

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Date

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

N. Central Washington University

UEI:

FS NFS Agreement No: 24-CS-11062770-384

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Kevin Archer

Dean of Graduate Studies and Research

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Date

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

Eastern Washington University

UEI: QL3XATN9H6L1

FS NFS Master Agreement No: 24-CS-11062770-385



8/15/24

Date

Mason Hayes

Interim Associate Director Office of Grant and Research Development



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

p. The Evergreen State College

UEI:

FS NFS Master Agreement No 24-CS-11062770-386

\_\_\_\_\_  
John Carmichael

Vice President for Finance and Operations

\_\_\_\_\_  
Date

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

Q. Heritage University

UEI: HQGUGJK3CAW3

FS NFS Master Agreement No: 24-CS-11062770-387

Digitally signed by  
Melissa Hill  
Date: 2025.03.18  
10:39:46 -07'00'

Melissa Hill

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3/18/25

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Melissa Hill

Date

Provost and VP of Academic Affairs

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

R. Oregon Institute of Technology

UEI:

FS NFS Master Agreement No: 24-CS-11062770-388

**Abdy Afjeh** Digitally signed by Abdy Afjeh  
Date: 2025.04.01 15:40:29 -07'00'

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Abdy Afjeh

Vice Provost Research and Academic Affairs

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Date

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

S. Oregon State University

UEI:

FS NFS Master Agreement No: 24-CS-11062770-389

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Zachary Gill

Director of Sponsored Programs, Award Contracting

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Date

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

T. Portland State University

UEI: H4CAHK2RD945

FS NFS Master Agreement No: 24-CS-11062770-390



9/9/24

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Rebecca Lockwood

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Date

Award Acceptance Manager


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

U. Saint Mary's University of Minnesota

UEI: K8F4C6VG5MX5

FS NFS Master Agreement No: 24-CS-11062770-391

Andrew  
Robertson

 Digitally signed by Andrew Robertson  
DN: cn=Andrew Robertson, o=Saint  
Mary's University, ou=GeoSpatial  
Services, email=aroberts@smum.edu,  
c=US  
Date: 2024.08.19 16:47:20 -05'00'

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Andrew Robertson

Executive Director - GeoSpatial Services

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Date

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

√ Seattle University

UEI: LCYLGVGSEQE3

FS NFS Master Agreement No: 24-CS-11062770-392

DocuSigned by:  
  
B24558F81B324ED...

David Lance

Chief of Staff and Associate Provost

8/28/2024 | 7:37:01 PM PDT

Date

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

W. Southern Oregon University

UEI: GL1WH5BDCN74

FS NFS Master Agreement No: 24-CS-11062770-393



9/9/2024

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Peter Angstadt

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Date

Interim Vice President for Finance and Administration



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

X. University of Alaska Anchorage

UEI: DZFJT2KH9C43

FS NFS Master Agreement No: 24-CS-11062770-394

DocuSigned by:  
  
7BBE8E3786EC4DA...

October 7, 2024

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Aaron Dotson

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Date

Vice Chancellor for Research

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

Y. University of Alaska Southeast

UEI:

FS NFS Master Agreement No: 24-CS-11062770-395

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Julie Vigil

Director Budget, Grants and Contracts

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Date

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

Z. University of British Columbia

UEI: SJR5MQHSLWT6

FS NFS Master Agreement No: 24-CS-11062770-396

Signed by:  
  
22A822380494468...

3/17/2025

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Jennifer Lynett

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Date

Associate Director, Sponsored Research, Innovation UBC

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

AA. Regents of the University of Idaho

UEI: QWYKRJH5NNJ3

FS NFS Master Agreement No: 24-CS-11062770-397



Digitally signed by Sarah  
S Martonick  
Date: 2025.03.17  
13:43:16 -07'00'

3/17/25

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Sarah Martonick

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Date

Director, Office of Sponsored Program


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

BB. University of Oregon

UEI: Z3FGN9MF92U2

FS NFS Master Agreement No: 24-CS-11062770-398

Jesse A.  
Conway

 Digitally signed by Jesse  
A. Conway  
Date: 2024.09.18  
09:53:48 -07'00'

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Jesse A. Conway

Contracts Officer, Sposnored Projects Services

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Date

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

CC. University of Vermont

UEI: Z94KLERAG5V9

FS NFS Master Agreement No: 24-CS-11062770-399

Brian Prindle Digitally signed by Brian Prindle  
Date: 2025.03.20 09:20:35 -04'00'

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3/20/25

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Brian Prindle

Date

Executive Director Research Administration and Compliance

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

DD. Washington State University  
UEI: XRJSGX384TD6  
FS NFS Master Agreement No: 24-CS-11062770-400



Digitally signed by  
Washington State University  
Date: 2024.08.13 10:11:28  
-07'00'

AVP/DVP, Authorized Official

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Dan Nordquist

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Date

Associate Vice President Office of Research Support and Operations

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

EE. Western Washington University

UEI:

FS NFS Master Agreement No: 24-CS-11062770-401

David Patrick Digitally signed by David  
Patrick  
Date: 2025.03.13  
14:30:59 -07'00'

3/13/25

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David Patrick

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Date

Interim Vice President for Research Office of Research and Sponsored Programs




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

FF. Alaska Department of Fish and Game

UEI:

FS NFS Master Agreement No: 24-CS-11062770-402

Bonnie  
Jensen

 Digitally signed by Bonnie  
Jensen  
Date: 2025.03.27  
16:16:27 -08'00'

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Bonnie N. Jensen

Director Division of Administrative Services

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Date

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

GG. Center for Natural Lands Management  
UEI: JAYGZNBTR1F3  
FS NFS Master Agreement No: 24-CS-11062770-403

Melanie  
Barranco

Digitally signed by  
Melanie Barranco  
Date: 2024.08.13  
06:54:49 -07'00'

8/13/24

Date

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Melanie Barranco

Co-Executive Director

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

HH. Institute for Applied Ecology

UEI: KJN8AF3EHKM5

FS NFS Master Agreement No: 24-CS-11062770-404



Digitally signed by Keith  
A. Norris  
Date: 2024.08.20  
15:57:57 -07'00'

8/20/24

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Keith A. Norris

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Date

Executive Director

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

II. Western Association of Fish and Wildlife Agencies

UEI:

FS NFS Master Agreement No: 24-CS-11062770-405

\_\_\_\_\_  
Chris Moore

Acting Executive Director

\_\_\_\_\_  
Date


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

JJ. Foundation for Marine Ecology and Telemetry Research

UEI: XRFHKXJFN7T8

FS NFS Master Agreement No: 24-CS-11062770-406

Gregory  
Schorr

 Digitally signed by  
Gregory Schorr  
Date: 2024.08.13  
11:15:06 -07'00'

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Gregory S. Schorr

President

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Date

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

KK. The Xerces Society

UEI: C1HYRTHZ8B58

FS NFS Master Agreement No: 24-CS-11062770-407

Scott Hoffman Black  
Digitally signed by Scott Hoffman Black  
Date: 2024.08.23 13:45:36 -07'00'

8/23/24

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Scott Black

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Date

Executive Director