

**GREAT LAKES - NORTHERN FOREST
COOPERATIVE ECOSYSTEM STUDIES UNIT**

**AMENDMENT TWO 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**

**U.S. DEPARTMENT OF AGRICULTURE
U.S. Forest Service, Northern Research Station
Natural Resources Conservation Service**

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

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

and

**UNIVERSITY OF MINNESOTA (HOST)
Fond du Lac Tribal and Community College
Indiana University
Michigan State University
Michigan Technological University
Minnesota State University–Mankato
Southern University and A&M College
SUNY-College of Environmental Science and Forestry
University of Iowa
University of Toledo
University of Vermont and State Agricultural College
University of Wisconsin–Madison
West Virginia University
American Indian Science and Engineering Society
Great Lakes Commission
Great Lakes Forest Alliance
Minnesota Department of Natural Resources**

**National Council for Air and Stream Improvement, Inc.
The Nature Conservancy
Science Museum of Minnesota
Cleveland State University
University of Wisconsin–Stevens Point
Northern Michigan University
Stephen F. Austin State University
University of Wisconsin–La Crosse
Antioch University New England
Cornell University
Indiana State University
Purdue University
University of Notre Dame
Ball State University
Grand Valley State University
Hamline University
Midwest Art Conservation Center
St. Mary’s University of Minnesota
Winona State University
Central Michigan University
Kent State University
The Ohio State University
Wildlife Conservation Society**

Adding:

**Chicago Botanic Garden
Northland College
Northern Illinois University**

With the exception of the changes below, all terms and conditions of the Great Lakes – Northern Forest CESU agreement apply to this Amendment, and this Amendment is hereby made part of the agreement.

ARTICLE I. ARTICLE I. BACKGROUND AND OBJECTIVES

O.2. Chicago Botanic Garden, Northland College, and Northern Illinois University are hereby included in the Great Lakes – Northern Forest CESU as Partner Institutions.

ARTICLE III. TERM OF AGREEMENT

- A.1. The effective date of the Great Lakes – Northern Forest CESU Cooperative and Joint Venture Agreement is 02 August 2012.
- A.2. The effective date of this amendment to the Great Lakes – Northern Forest CESU Cooperative and Joint Venture Agreement shall be determined from the date of the last signature.

ARTICLE IV. KEY OFFICIALS

- C.41. The technical representative for Chicago Botanic Garden is:

Gregory M. Mueller
Vice President of Science and Academic Programs
Chicago Botanic Garden
1000 Lake Cook Road
Glencoe, IL 60022
Phone: (847) 835-8226
gmueller@chicagobotanic.org

The administrative representative for Chicago Botanic Garden is:

Anya Maziak
Development Officer, Foundation and Government Relations
Chicago Botanic Garden
1000 Lake Cook Road
Glencoe, IL 60022
Phone: (847) 835-6896
amaziak@chicagobotanic.org

- C.42. The technical representative for Northland College is:

Randy Lehr
Bro Professor of Sustainable Regional Development
Sigurd Olson Environmental Institute
Northland College
1411 Ellis Avenue
Ashland, WI 54806
Phone: (715) 682-1261
rlehr@northland.edu

The administrative representative for Northland College is:

Robert Jackson
Vice President of Finance and Administration

Northland College
1411 Ellis Avenue
Ashland WI, 54806
Phone: (715) 682-1207
riackson@northland.edu

C.43. The technical representative for Northern Illinois University is:

Dr. Melissa Lenczewski
Associate Professor, Geology & Environmental Geosciences
Acting Director, Institute for the Study of the Environment, Sustainability, and
Energy
Northern Illinois University
DeKalb, IL 60115
Phone: (815) 753-7937
lenczewski@niu.edu

The administrative representative for Northern Illinois University is:

Dara C. Little
Director, Office of Sponsored Projects
Northern Illinois University
DeKalb, IL 60115
Phone: (815) 753-9285
dlittle@niu.edu

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. Geological Survey
- C. National Park Service
- D. U.S. Fish and Wildlife Service

U.S. DEPARTMENT OF AGRICULTURE

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

G. NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

U.S. DEPARTMENT OF DEFENSE

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

- J. UNIVERSITY OF MINNESOTA (HOST)
- K. Fond du Lac Tribal and Community College
- L. Indiana University
- M. Michigan State University
- N. Michigan Technological University
- O. Minnesota State University–Mankato
- P. Southern University and A&M College
- Q. SUNY–College of Environmental Science and Forestry
- R. University of Iowa
- S. University of Toledo
- T. University of Vermont and State Agricultural College
- U. University of Wisconsin–Madison
- V. West Virginia University
- W. American Indian Science and Engineering Society
- X. Great Lakes Commission
- Y. Great Lakes Forest Alliance
- Z. Minnesota Department of Natural Resources
- AA. National Council for Air and Stream Improvement, Inc.
- BB. The Nature Conservancy
- CC. Science Museum of Minnesota
- DD. Cleveland State University
- EE. University of Wisconsin–Stevens Point
- FF. Northern Michigan University
- GG. Stephen F. Austin State University
- HH. University of Wisconsin–La Crosse
- II. Antioch University New England
- JJ. Cornell University
- KK. Indiana State University
- LL. Purdue University
- MM. University of Notre Dame
- NN. Ball State University
- OO. Grand Valley State University
- PP. Hamline University
- QQ. Midwest Art Conservation Center
- RR. St. Mary’s University of Minnesota
- SS. Winona State University
- TT. Central Michigan University
- UU. Kent State University
- VV. The Ohio State University
- WW. Wildlife Conservation Society
- XX. **Chicago Botanic Garden**
- YY. **Northland College**
- ZZ. **Northern Illinois University**

ARTICLE XIV. 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 Lyon
State Director, Eastern States


Date

Lisa T. Clayton
Grants Management Officer

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

B. U.S. Geological Survey



Sherri Ly Bredesen
Contracting Officer

08/13/13
Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

C. National Park Service

**CATHERINE
SCHROEDE
R**

Digitally signed by CATHERINE
SCHROEDER
DN: c=US, o=U.S. Government,
ou=Department of the Interior,
ou=National Park Service,
cn=CATHERINE SCHROEDER,
0.9.2342.19200300.100.1.1=1400
1002052640
Date: 2013.09.09 11:10:12 -05'00'

Penny Russell
Grants and Assistance Officer

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

D. U.S. Fish and Wildlife Service



John Stokes
Chief, Contracting & Facilities Management

8/12/13

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

E. U.S. Forest Service

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

David Garrison
Grants and Agreements Specialist
Northern Research Station

8/19/13
Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

F. 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.

Gayle Norman Berry
Deputy Chief for Management

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

G. National Aeronautics and Space Administration

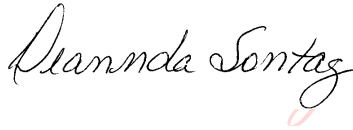
Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

Olga M. Dominguez
Assistant Administrator for Strategic Architecture

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

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



Digitally signed by
SONTAG.DEANNDAS.1230791909
DN: c=US, o=U.S. Government, ou=DoD,
ou=PKI, ou=USA,
cn=SONTAG.DEANNDAS.1230791909
Date: 2013.08.21 14:54:41 -05'00'

Deanna Sontag
Grants Officer

21 Aug 2013

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

I. Department of Defense, Office of the Deputy Under Secretary of Defense
(Installations and Environment)

ROBICHEAUX.TRA
CI.D.1260353990

Digitally signed by
ROBICHEAUX.TRACI.D.1260353990
DN: c=US, o=U.S. Government, ou=DoD, ou=PKI,
ou=USA, cn=ROBICHEAUX.TRACI.D.1260353990
Date: 2013.09.06 16:30:19 -05'00'

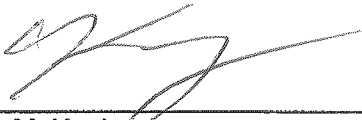
Traci Robicheaux
Grants Officer
Representing ODUSD (I&E)

6 Sep 2013
Date

T

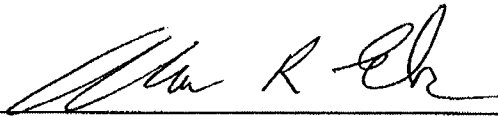
ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

J. University of Minnesota



Kevin McKoskey
Senior Grants Manager
Office of Sponsored Projects Administration

8/12/13
Date



Alan Ek
Head, Department of Forest Resources and
Acting Director, Great Lakes-Northern Forest CESU

8/10/13
Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

K. Fond du Lac Tribal and Community College

This partner is inactive.

Larry Anderson
President

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

L. Indiana 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 A. Wolter
Executive Director, Eppley Institute for Parks and Public Lands

Date

Teresa Miller
Manager Grant Services

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

M. Michigan 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.

Daniel T. Evon
Director, Contract and Grant Administration

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

N. Michigan Technological University

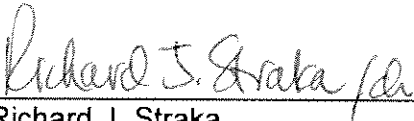
Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

Julie Seppala
Executive Director, Office of Sponsored Programs


Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

O. Minnesota State University–Mankato




Richard J. Straka
Vice President for Finance and Administration



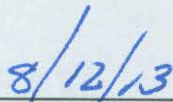
Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

P. Southern University and A&M College



James Llorens, Ph.D.
Chancellor



Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

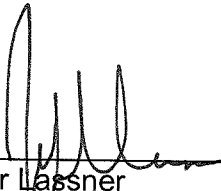
Q. SUNY-College of Environmental Science and Forestry

Cornelius B. Murphy, Jr.
Cornelius B. Murphy, Jr.
President

9/12/13
Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

R. University of Iowa

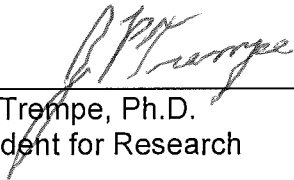


Jennifer Lassner
Interim Director
Division of Sponsored Programs

8/26/13
Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

S. University of Toledo

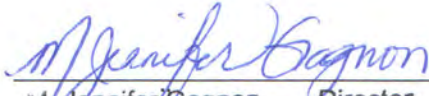


James P. Trempe, Ph.D.
Vice President for Research

8/9/13
Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

T. University of Vermont and State Agricultural College



M. Jennifer Gagnon, Director
Sponsored Project Administration

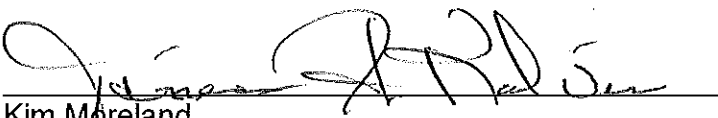
AUG 12 2013

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

U. University of Wisconsin-Madison

AUG 19 2013

for: 

Kim Moreland
Director, Research and Sponsored Programs

Date

Janice H. Calvin, Admin. Officer
Research & Sponsored Programs

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

V. West Virginia 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.

Mary Jane Buckland
Interim Director of Sponsored Programs

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

W. American Indian Science and Engineering Society

This partner is inactive.

Name:
Title:

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

X. Great Lakes Commission

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.

Name:
Title:

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

Y. Great Lakes Forest Alliance

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.

Michael Prouty
Executive Director:

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

Z. Minnesota Department of Natural Resources

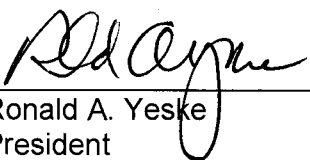
Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

Dave Schad
Deputy Commissioner

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

AA. National Council for Air and Stream Improvement, Inc.



Ronald A. Yeske
President

Aug 9, 2013
Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

BB. The Nature Conservancy



Rob McKim
Central US Regional Director

9.9.13
Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

CC. Science Museum of Minnesota

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.

Eric J. Jolly
President

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

DD. Cleveland State University

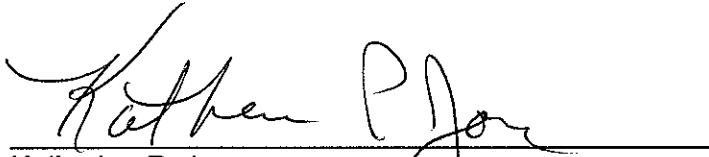
Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

Craig M. Zullig
Director, Office of Sponsored Programs and Research

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

EE. University of Wisconsin–Stevens Point



Katherine P. Jore
Associate Vice Chancellor for Personnel, Budget and Grants



Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

FF. Northern Michigan 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.

Brian Cherry
Associate Provost for Graduate Education and Research

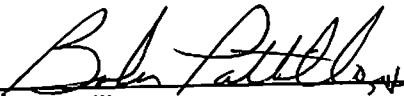
Date

Name: R. Gavin Leach
Vice President for Finance and Administration

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

GG. Stephen F. Austin State University



Baker Pattillo
President

8-14-13
Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

HH. University of Wisconsin–La Crosse

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 H. Hoar
Interim Associate Vice Chancellor for Academic Affairs

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

II. Antioch University New England


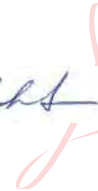
Per Article III, C: If a Partner Institution or Federal Agency has not responded after forty-five (45) days from receipt of the amendment, its signature will not be required to make the amendment effective.

David A. Caruso, Ph.D.
President

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

JJ. Cornell University

Digitally signed by Christine M.
Ashdown
DN: cn=Christine M. Ashdown,
o=Cornell University, ou=Office of
Sponsored Programs,
email=cma20@cornell.edu, c=US
Date: 2013.08.12 17:44:49 -04'00'

Christine M. Ashdown
Senior Grant & Contract Officer, Office of Sponsored Programs

08/12/13

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

KK. Indiana 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.

[Print Name]
[Print Title]

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

LL. Purdue University



Beth Siple
Ag Sponsored Program Service

8/31/13
Date


Jenny McDaniel
Contract Analyst

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

MM. University of Notre Dame

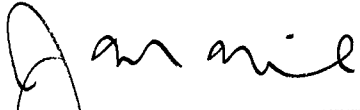


Greg Luttrell
Director, Research Contracts & Awards

9 August 2013
Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

NN. Ball State University



Justin M. Miller
Director, Sponsored Programs Office

8/12/13

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

OO. Grand Valley State University



Christine C. Chamberlain
Director, Office of Sponsored Programs



Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

PP. Hamline 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.

Eric R. Jensen
Provost

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

QQ. Midwest Art Conservation Center



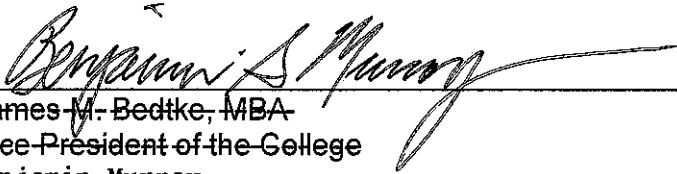
Colin D. Turner
Executive Director



Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

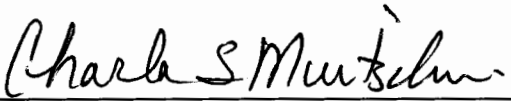
RR. St. Mary's University of Minnesota


~~James M. Bedtke, MBA~~
~~Vice President of the College~~
Benjamin Murray
Vice President for Financial Affairs

8-12-2013
Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

SS. Winona State University



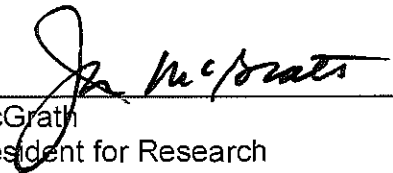
Charla S. Miertschin
Dean, College of Science and Engineering

8/29/13

Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

TT. Central Michigan University

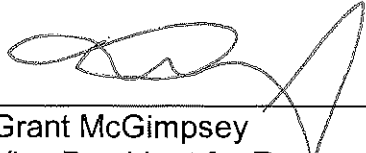


John McGrath
Vice President for Research

8/14/13
Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

UU. Kent State University



Grant McGimpsey
Vice President for Research and Sponsored Programs

8/20/13
Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

VV. The Ohio State University

Kim C. Carter

Kim C. Carter
[print title]

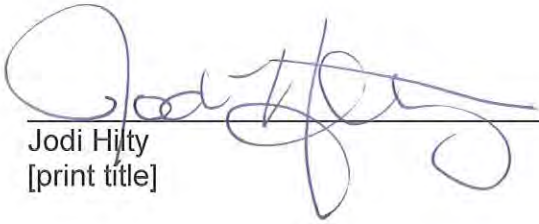
8/15/13

Date

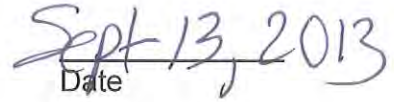
Kim C. Carter
Associate Director
Office of Sponsored Programs

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

WW. Wildlife Conservation Society



Jodi Hilty
[print title]



Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

XX. Chicago Botanic Garden




[print name]
[print title]

6 Aug 2013
Date

Gregory M. Mueller
Vice President of Science
Chicago Botanic Garden

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

YY. Northland College



[print name]
[print title]
**Robert Jackson
Vice President of Finance
and Administration
Northland College**

08/06/13
Date

ARTICLE XIV. AUTHORIZING SIGNATURES (cont.)

ZZ. Northern Illinois University



Dara C. Little
Director, Office of Sponsored Projects



Date