DEsert Southwest
Cooperative Ecosystem Studies Unit

Cooperative and Joint Venture Agreement

between

U.S. DEPARTMENT OF THE INTERIOR
  Bureau of Indian Affairs
  Bureau of Land 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 DEFENSE
  Office of the Assistant Secretary of Defense for Sustainment
  U.S. Army Corps of Engineers–Civil Works

and

Arizona Board of Regents
The University of Arizona (HOST)

Baylor University
Eastern New Mexico University
Embry-Riddle Aeronautical University
Howard University
New Mexico State University
Northern Arizona University
Texas State University
Universidad de Sonora
University of California–Riverside
University of Texas at Arlington
University of Texas at El Paso
University of Texas at San Antonio
University of Utah
Archaeology Southwest
Arizona Game and Fish Department
Arizona-Sonora Desert Museum
Bird Conservancy of the Rockies
Cornerstones Community Partnerships
CyArk
Desert Botanical Garden
Hawks Aloft, Inc.
Organization of American Historians
Pima County and Pima County Regional Flood Control District
California Botanic Garden
Sky Island Alliance
Sonoran Institute
The Nature Conservancy
Western Association of Fish and Wildlife Agencies
Western National Parks Association
ARTICLE I. BACKGROUND AND OBJECTIVES

A. This Cooperative and Joint Venture Agreement (hereinafter called Agreement) between the Bureau of Indian Affairs, Bureau of Land Management, U.S. Bureau of Reclamation, U.S. Fish and Wildlife Service, U.S. Geological Survey, National Park Service, U.S. Forest Service, Natural Resources Conservation Service, U.S. Department of Defense—Office of the Assistant Secretary of Defense for Sustainment, and U.S. Army Corps of Engineers—Civil Works (hereinafter called Federal Agencies) and the University of Arizona (Host University) and its Partner Institutions is a continuation for a five (5) year term to provide for the operation and maintenance of the Desert Southwest Cooperative Ecosystem Studies Unit (CESU). This continuation of the Desert Southwest CESU is implemented by mutual consent of the parties and is consistent with the prior Agreement and the express intent of the request for proposals for that Agreement. The Desert Southwest CESU is associated with a national network of CESUs.

B. The objectives of the Desert Southwest Cooperative Ecosystem Studies Unit are to:

- Provide research, technical assistance and education to federal land management, environmental, and research agencies and their potential partners;
- Develop a program of research, technical assistance and education that involves the biological, physical, social, and cultural sciences needed to address resources issues and interdisciplinary problem-solving at multiple scales and in an ecosystem context at the local, regional, and national level; and
- Place special emphasis on the working collaboration among federal agencies and universities and their related partner institutions.

C. Bureau of Indian Affairs. The Bureau of Indian Affairs (hereinafter called BIA) is the oldest bureau of the United States Department of the Interior. Established in 1824, BIA currently provides services to approximately two million American Indians and Alaska Natives. There are 574 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.

D. Bureau of Land Management. The Bureau of Land Management (hereinafter called BLM) administers public lands within a framework of numerous laws. The most comprehensive of these is the Federal Land Policy and Management Act of 1976 (FLPMA). All Bureau policies, procedures, and management actions must be consistent with FLPMA and the other laws that govern use of the public lands. It is the mission of the BLM to sustain the health, diversity, and productivity of the public lands for the use and enjoyment of present and future generations (43 U.S.C. § 1701 et seq.). In accordance with 43 U.S.C. § 1737(b), the BLM is authorized to enter into contracts and cooperative agreements involving the management, protection, development, and sale of public lands; and is thereby authorized to enter into this cooperative agreement to continue the Desert Southwest CESU to assist in providing research, technical assistance and education.

E. Bureau of Reclamation. The U.S. Bureau of Reclamation (hereinafter called USBR) manages, develops, and protects water and related resources in an environmentally and economically sound manner in the interest of the American public (43 U.S.C. Chapter 12). In accordance with the authority delegated in 255 DM 14.1 (U.S. Department of the Interior, Departmental Manual), which states that the Commissioner is delegated so much of the authority of the Secretary under the Fish and Wildlife Coordination Act (16 U.S.C. § 661 et seq.) as is necessary to provide assistance, through grants or cooperative agreements, to public or private organizations for the improvement of fish and wildlife habitat associated with water systems or water supplies affected by Reclamation projects; and in accordance with the Omnibus Public Land Management Act of 2009 (Pub. L. 111-11), Subtitle F-Secure Water, §§ 9502, 9504, and 9509, the USBR is authorized to enter into a cooperative agreement to continue the Desert Southwest CESU to assist in providing research, technical assistance, and education.
F. U.S. Fish and Wildlife Service. The U.S. Fish and Wildlife Service (hereinafter called USFWS), working with others, is responsible for conserving, protecting, and enhancing fish, wildlife, plants and their habitats for the continuing benefit of the American people through federal programs related to migratory birds, endangered species, interjurisdictional fish and marine mammals, inland sport fisheries, and the National Wildlife Refuge System. In accordance with 16 U.S.C. § 661, 16 U.S.C. § 742(f), and 16 U.S.C. § 753(a), the USFWS is authorized to cooperate with other agencies to assist in providing research, technical assistance, and education; and is thereby authorized to enter into this cooperative agreement to continue the Desert Southwest CESU.

G. U.S. Geological Survey. The U.S. Geological Survey (hereinafter called USGS) serves the Nation by providing reliable scientific information to describe and understand the Earth, minimize the loss of life and property from natural disasters, manage water, biological, energy, and mineral resources, and enhance and protect our quality of life. USGS has authority to enter into this Agreement pursuant to Pub. L. 99-591, that bestows permanent authority on the USGS to “prosecute projects in cooperation with other agencies, Federal, state, and private” (43 U.S.C. § 36(c)), the USGS Organic Act of March 3, 1879, as amended (43 U.S.C. § 31 et seq.), 16 U.S.C. § 1(a)(2)(j), 16 U.S.C. § 1(g), 16 U.S.C. § 5933, and 16 U.S.C. § 753(a) to continue the Desert Southwest CESU to assist in providing research, technical assistance, and education.

H. National Park Service. The National Park Service (hereinafter called NPS) manages areas of the National Park System “to conserve the scenery and the natural and historic objects and the wild life therein and to provide for the enjoyment of the same in such manner and by such means as will leave them unimpaired for the enjoyment of future generations” (54 U.S.C. § 100101 et seq.). In support of this broad mission, the Secretary of the Interior “shall ensure that management of System units is enhanced by the availability and utilization of a broad program of the highest quality science and information” (54 U.S.C. § 100702), and “shall enter into cooperative agreements with colleges and universities, including land grant schools, in partnership with other Federal and State agencies, to establish cooperative study units to conduct multi-disciplinary research and develop integrated information products on the resources of the System, or the larger region of which System units are a part” (54 U.S.C. § 100703). The NPS is authorized to enter into cooperative agreements with public or private educational institutions, States, and their political subdivisions, for the purpose of developing adequate, coordinated, cooperative research and training activities concerning the resources of the National Park System (54 U.S.C. § 101702(b)); with State, local and tribal governments, other public entities, educational institutions, and private nonprofit organizations for the public purpose of carrying out National Park Service programs (54 U.S.C. § 101702(a)); with State, local, or tribal governments, other Federal agencies, other public entities, educational institutions, private nonprofit organizations, or participating private landowners or individuals for the purpose of protecting natural...
resources of units of the National Park System through collaborative efforts on land inside and outside of National Park System units (54 U.S.C. § 101702(d)) or to investigate, protect, preserve, maintain, or operate any historic or archeologic building, site, or object of national significance (54 U.S.C. §§ 320101-320103); and with any State or local government, public or private agency, organization, institution, corporation, individual, or other entity for the purpose of sharing costs or services in carrying out authorized functions and responsibilities of the Secretary of the Interior with respect to any unit or program of the National Park System, any affiliated area, or any designated National Scenic or Historic Trail (54 U.S.C. § 101701). NPS is also authorized to provide conservation, recreation, and disaster assistance to partners to help them achieve goals of mutual interest (54 U.S.C. § 200103, 16 U.S.C. § 1723(c)), and support projects to be carried out on Federal, State, local, or private lands as part of disaster prevention or relief efforts in response to an emergency or major disaster declared by the President under the Robert T. Stafford Disaster Relief and Emergency Assistance Act (42 U.S.C. § 5121 et seq.). In accordance with the aforementioned authorities, the NPS is authorized to enter into this Agreement to continue the Desert Southwest CESU to assist in providing research, technical assistance and education.

I. **U.S. Forest Service.** The U.S. Department of Agriculture Forest Service (hereinafter called USFS) mission is to achieve quality land management under the sustainable multiple-use management concept to meet the diverse needs of the people (16 U.S.C. § 1641-1646). In accordance with 7 U.S.C. § 3318(b), the USFS is authorized to enter into a joint venture agreement to assist in providing agricultural research and teaching activities.

J. **Natural Resources Conservation Service.** The Natural Resources Conservation Service (hereinafter called NRCS) improves the health of our Nation’s natural resources while sustaining and enhancing the productivity of American agriculture. We achieve this by providing voluntary assistance through strong partnerships with private landowners, managers, and communities to protect, restore, and enhance the lands and waters upon which people and the environment depend. NRCS scientists and technical specialists identify appropriate technologies in research, development, and transfer them to field staff for recommending the technologies to America’s farmers and ranchers. Under 7 U.S.C. 6962a, 16 U.S.C. 590a-q, 42 U.S.C. 3271-3274, and 16 U.S.C. 3839aa et seq., NRCS is authorized to enter into this cooperative agreement to continue the Desert Southwest CESU to assist in providing research, studies, technical assistance, and educational services consistent with the mission of the NRCS and the CESU Network.

K. **Office of the Assistant Secretary of Defense for Sustainment.** The U.S. Department of Defense—Office of the Assistant Secretary of Defense for Sustainment (hereinafter called DOD) manages 25 million acres of land, and the natural and cultural resources found there, and for this Agreement includes the Office of the Secretary of Defense, the Military Services, the Defense Logistics Agency, the National Guard Bureaus, and the Military Reserve Components. DOD’s primary mission is national
defense. DOD's conservation program supports this mission by ensuring realistic training areas, and managing its resources in ways that maximize available land, air, and water training opportunities. DOD environmental stewardship activities are authorized under the Sikes Act, as amended. In accordance with one or more of the following: 16 U.S.C. § 670c-1, 10 U.S.C. § 2358, 10 U.S.C. § 2694, 10 U.S.C. § 2684, and Pub. L. 103-139 (FY 94 NDAA, page 107 Stat. 1422), DOD is authorized to enter into cooperative agreements with States, nonprofit organizations, academic institutions, and other partners to support research, technical assistance, and educational services consistent with the mission of the DOD and the CESU Network. In accordance with the aforementioned authorities, the DOD is authorized to enter into this Agreement to continue the Desert Southwest CESU.

L. **U.S. Army Corps of Engineers–Civil Works.** The U.S. Army Corps of Engineers Civil Works Program (hereinafter called USACE) provides assistance in the development and management of the nation’s water resources. The main missions of USACE, i.e., the Corps, are 1) to facilitate commercial navigation, 2) to protect citizens and their property from flood and storm damages, and 3) to protect and restore environmental resources. The Corps carries out most of its work in partnership with Tribal, state, and local governments and other nonfederal entities. The Corps must rely upon using the best available science in the evaluation of water resources needs and in the development of recommendations for water resources management. The university and scientific institutions that comprise the CESU Network have knowledge and expertise of the latest scientific advances that will assist the Corps in reaching sound, scientifically based decisions. In addition, by participating in the CESU, scientists within the Corps will have access to university resources within the CESU Network and be able to interact with colleagues in various scientific disciplines, and thereby further their own professional development. Corps field offices may avail themselves of support from the regional CESUs by collaborating with the Engineer Research and Development Center, who has the authority to enter into cooperative agreements with such CESUs, thus enabling these Corps offices to receive scientific support from regional CESU members. USACE is authorized to cooperate with other agencies in accordance with Title 33 U.S.C. § 2323(a) and 10 U.S.C. § 3036(d). Additionally, USACE may enter into transactions under the authority of 10 U.S.C. § 2371 in carrying out basic, applied, and advanced research projects. In accordance with 10 U.S.C. § 2358, USACE is authorized to enter into this cooperative agreement continuing the Desert Southwest CESU.

M. **Host University.** The University of Arizona (hereinafter called Host University) is a comprehensive university that houses the state’s only colleges of Agriculture, Law, Medicine and Pharmacy. Approximately 8564 graduate students are enrolled in 79 doctoral programs, and 117 master's and specialists programs. The purpose of the University is, in the language of the original law, “to provide the inhabitants of this state with the means of acquiring a thorough knowledge of the various branches of literature, science, and the arts,” and, insofar as possible, to provide a technical education adapted to the development of Arizona’s resources. A number of
departments within the University have contributed to a long-standing history of cooperative research and education in desert ecosystem management. The University hosts a number of federal cooperative research units and maintains working relationships with federal land management agencies. The University is governed by the Arizona Board of Regents.

N. Partner Institutions. The partner institutions to the Host University include Baylor University, Eastern New Mexico University, Embry-Riddle Aeronautical University, Howard University, New Mexico State University, Northern Arizona University, Texas State University, Universidad de Sonora, University of California–Riverside, University of Texas at Arlington, University of Texas at El Paso, University of Texas at San Antonio, University of Utah, Archaeology Southwest, Arizona Game and Fish Department, Arizona-Sonora Desert Museum, Bird Conservancy of the Rockies, Cornerstones Community Partnerships, CyArk, Desert Botanical Garden, Hawks Aloft, Inc., Organization of American Historians, Pima County and Pima County Regional Flood Control District, California Botanic Garden, Sky Island Alliance, Sonoran Institute, The Nature Conservancy, Western Association of Fish and Wildlife Agencies, and Western National Parks Association (hereinafter called Partner Institutions).

ARTICLE II. STATEMENT OF WORK

A. Each Federal Agency agrees to:

1. Provide administrative assistance, as appropriate, necessary to execute this Agreement and subsequent modifications;

2. Conduct, with the Host University and Partner Institutions, a program of research, technical assistance and education related to the Desert Southwest CESU objectives to the extent allowed by each Federal Agencies’ authorizing legislation;

3. Provide opportunities for research on federal lands or using federal facilities in cooperation with Federal Agencies, as appropriate, and according to all applicable laws, regulations and Federal Agencies’ policies;

4. Provide funds for basic support and salary for participating Host University and Partner Institution faculty, as appropriate and as available;

5. Provide project funds and/or collaboration to support specific research, technical assistance and education projects, as appropriate and as available;

6. Make available managers to serve on the Desert Southwest CESU Executive Committee and Federal Managers Committee;
7. Comply with the Host University’s and Partner Institutions’ rules, regulations, and policies regarding professional conduct, health, safety, use of services and facilities, use of animals, recombinant DNA, infectious agents or radioactive substances, as well as other policies generally applied to Host University and Partner Institution personnel;

8. Ensure its employees follow the Code of Ethics for Government Service (Pub. L. 96-303) and Standards of Ethical Conduct (5 CFR Part 2635);

9. Allow Federal Agency employees to participate in the activities of the Host University and Partner Institutions, including serving on graduate committees and teaching courses, as appropriate, and as specifically determined in modifications to the Agreement; and

10. Be individually responsible for their agency’s role in administering the Agreement, transferring funds, and supervision of agency employees, as appropriate.

B. The Host University agrees to:

1. Continue, in consultation with the Federal Agencies and Partner Institutions, the Desert Southwest CESU;

2. Conduct, with participating Federal Agencies and Partner Institutions, a program of research, technical assistance and education related to the Desert Southwest CESU objectives;

3. Allow and encourage faculty to engage in participating Federal Agencies’ research, technical assistance and education activities related to the Desert Southwest CESU objectives, as appropriate;

4. Provide basic administrative and clerical support as appropriate;

5. Provide access for Desert Southwest CESU Federal Agency staff to campus facilities, including library, laboratories, computer facilities on the same basis or costs as other faculty members of the Host University to the maximum extent allowable under state laws and regulations;

6. Provide suitable office space, furniture and laboratory space, utilities, computer network access and basic telephone service for Federal Agencies’ personnel to be located at the Host University, as appropriate;

7. Offer educational and training opportunities to participating Federal Agency employees, in accordance with the respective policies of the Federal Agencies and the Host University;
8. Encourage its students to participate in the activities of the Desert Southwest CESU;

9. Coordinate activities, as appropriate, with the Partner Institutions and develop administrative policies for such coordination; and

10. Maintain a Desert Southwest CESU Executive Committee and convene a meeting of this committee, at least annually, to provide advice and guidance, review of the annual work and multi-year strategic plans, and assist in evaluating the Desert Southwest CESU.

C. Each Partner Institution agrees to:

1. Conduct, with participating Federal Agencies and the Host University, a program of research, technical assistance, and education related to the Desert Southwest CESU objectives and allow and encourage faculty to participate in the program as appropriate;

2. Offer educational and training opportunities to participating Federal Agency employees, as appropriate; and

3. Encourage students and employees to participate in the activities of the Desert Southwest CESU.

D. All Federal Agencies, the Host University and Partner Institutions agree to:

1. Maintain the Desert Southwest CESU closely following the mission and goals of the CESU Network as described in the CESU Network Strategic Plan, adapting key elements to local and regional needs, as appropriate;

2. Maintain a Desert Southwest CESU role and mission statement;

3. Operate under a multi-year strategic plan;

4. Issue individual funding documents, in accordance with each agency’s procedures, to this Agreement that individually include a specific “scope of work” statement and a brief explanation of the following:

   a. the proposed work;
   b. the project contribution to the objectives of the CESU;
   c. the methodology of the project;
   d. the substantial involvement of each party;
   e. the project budget and schedule;
   f. the specific project outputs or products.
Note: For BLM, FWS, USFS, and other agencies as appropriate, this Agreement is neither a fiscal nor a funds obligation document. Any endeavor to transfer anything of value involving reimbursement or contribution of funds between the parties to this Agreement will be handled in accordance with applicable laws, regulations, and procedures including those for government procurement and printing. Such endeavors will be outlined in separate task agreements that shall be made in writing by representatives of the parties and shall be independently authorized by appropriate statutory authority. This Agreement does not provide such authority. Specifically, this Agreement does not establish authority for noncompetitive award to the cooperator of any contract or other agreement.

5. Provide data on CESU projects to the CESU Network National Office and/or host institution in accordance with CESU Council guidelines as posted on the CESU Network National Office website (www.cesu.org);

6. Coordinate in obtaining all necessary state, federal, and tribal permits and/or permissions from private landowners in order to conduct projects occurring under this Agreement;

7. Engage in collaborative activities consistent with federal scientific and scholarly integrity directives and policies (e.g., Presidential and OSTP Scientific Integrity Memoranda; DOD Instruction 3200.20; DOI 305 DM 3; USDA DR 1074-001; NOAA AO 202-735D), as appropriate;

8. Follow 2 CFR 200, OMB Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (Uniform Guidance), as appropriate; and the related federal agency regulations, as applicable, specifically 22 CFR 518 (Department of Defense), 32 CFR Parts 21, 22, 32, 33, and 34 (Department of Defense), 10 U.S.C. 2358, 10 U.S.C. 3036(d), 33 U.S.C. 2323a, DOD 3210.6-R, and Department of Defense Grant and Agreement Regulations (Department of Defense); and these documents are incorporated into this Agreement by reference.

ARTICLE III. TERM OF AGREEMENT

A. The effective date of this Agreement shall be 15 August 2020. This Agreement shall be effective for all signatory parties for a period of five (5) years from the effective date. Parties will have until 15 August 2020 to sign this Agreement and thereby express their intent to continue participation in the Desert Southwest CESU. Parties that do not sign this Agreement by 15 August 2020 will remain in “inactive” status and ineligible to process new projects under this Agreement until their official signature page has been received.
B. By mutual consent and at the end of this Agreement, a new Agreement, for a separate and distinct five (5) year period, can be entered into to continue the activities of the Desert Southwest CESU.

C. Amendments to this Agreement shall be made according to the following provisions:

1. For the purposes of this Agreement, Amendments are changes (edits, deletions, or additions) to the Agreement that do not involve the transfer of funds. Amendments may be proposed by any of the Federal Agencies, the Host University, or by the Host University on behalf of any of the Partner Institutions. Amendments shall be executed in writing by the CESU Network National Office. Amendments shall be signed by all signatories to this Agreement, except in cases described in Sections C.2. and C.3. (below). Unless otherwise specified, all terms and conditions of the CESU Agreement apply to the Amendment, and once fully executed the Amendment is made part of the Agreement.

2. For Amendments for which the sole purpose is to add a Partner Institution and/or Federal Agency to this Agreement, the Partner Institution and/or Federal Agency being added to the Agreement and the Host University shall sign the Amendment. New Partner Institutions and/or Federal Agencies shall be approved and added in accordance with the CESU Council guidance, as posted on the CESU Network website (www.cesu.org). All partners shall receive prior notification of amendments.

3. For amendments for which the sole purpose is to incorporate administrative changes that do not affect the intent, execution, and implementation of the terms of this Agreement, such as partner name changes or modifications as required by federal (e.g., OMB) financial assistance regulations, the Partner Institution and/or Federal Agency requesting the administrative change and the Host University shall sign the amendment. Such amendments shall be made at the discretion of the CESU Council and all partners shall receive prior notification of amendments.

D. For the purposes of this Agreement, modifications or task agreements are specific two-party Agreements between one of the Federal Agencies and the Host University and/or a Partner Institution in support of the goals of this broad Agreement. Modifications or task agreements will be issued by a Federal Agency, will transfer funds to support the statement of work, and will conform to each Federal Agency's respective procedures.

E. A separate Interagency Agreement is required to facilitate transfer of funds from one federal agency to another federal agency.

F. The expiration of this Agreement will not affect the validity or duration of projects which have been initiated under this Agreement prior to such expiration.
ARTICLE IV. KEY OFFICIALS

A. The representatives for the Federal Agencies are as follows:

1. Bureau of Indian Affairs
   
   Technical Representative(s)
   Rachael Novak
   Tribal Resilience Coordinator
   Bureau of Indian Affairs
   1001 Indian School Road NW
   Bldg 1, 321-A
   Albuquerque, NM 87104
   Phone: (505) 563-5253
   Mobile: (202) 510-5198
   rachael.novak@bia.gov

   Administrative Representative(s)
   Jo Ann Metcalfe
   Grants Management Specialist
   Bureau of Indian Affairs
   12220 Sunrise Valley Drive
   Reston, VA 20191
   Phone: (703) 390-6410
   jo.metcalfe@bia.gov

2. Bureau of Land Management
   
   Technical Representative(s)
   Aaron Wilkerson
   Soil, Water, and Air Program Lead
   Bureau of Land Management
   Arizona State Office
   Interior Region 8 (Lower Colorado Basin)
   1 N Central Ave, #800
   Phoenix, AZ 85004
   Phone: (602) 417-9683
   awilkers@blm.gov

   Administrative Representative(s)
   Elizabeth Love
   Grants Management Officer
   Bureau of Land Management
   Arizona State Office

3. U.S. Bureau of Reclamation
   
   Technical Representative(s)
   Mark McKinstry
   Research Biologist
   U.S. Bureau of Reclamation
   125 South State-UC-735
   Salt Lake City, UT 84138-1147
   Phone: (801) 524-3835
   mmckinstry@usbr.gov

   Administrative Representative(s)
   Glen Josephson
   Grants Officer
   Acquisition Management Division
   U.S. Bureau of Reclamation
   125 South State-UC-735
   Salt Lake City, UT 84138-1147
   Phone: (801) 524-3756
   gjosephson@usbr.gov

4. U.S. Fish and Wildlife Service
   
   Technical Representative(s)
   James Broska
   Assistant Regional Director
   Science Applications
   U.S. Fish and Wildlife Service
   Southwest Region
   500 Gold Avenue SW
   Albuquerque, NM 87102
   Phone (505) 248-6277
   james_broska@fws.gov

   Administrative Representative(s)
5. U.S. Geological Survey

Technical Representative(s)
Brent Sigafus
Biologist
The University of Arizona
USGS Southwest Biological Science Center
Sonoran Desert Research Station
1110 E South Campus Drive, RM 123
Tucson, AZ 85719
Phone: (520) 626-5539
bsigafus@usgs.gov

Administrative Representative(s)
Faith D. Graves
Grants Specialist
U.S. Geological Survey
12201 Sunrise Valley Drive, MS205G
Reston, VA 20192
Phone: (703) 648-7356
Fax: (703) 648-7901
fgraves@usgs.gov

6. National Park Service

Technical Representative(s)
Sallie Hejl
Research Coordinator
National Park Service
Desert Southwest Cooperative Ecosystem Studies Unit
School of Natural Resources and the Environment
ENR2-Room N219

7. U.S. Forest Service

Technical Representative(s)
Alison Hill
Research Program Manager
Rocky Mountain Research Station
U.S. Forest Service
2500 South Pine Knoll Drive
Flagstaff, AZ 86001
Phone: (928) 556-2105
alison.hill@usda.gov

Administrative Representative(s)
Cindy Gordon
Lead Grants Management Specialist
Rocky Mountain Research Station
U.S. Forest Service
240 West Prospect Road
Fort Collins, CO 80526
Phone: (970) 498-1172
Fax: (970) 498-1396
cindy.d.gordon@usda.gov

8. Natural Resources Conservation Service

Technical Representative(s)
Ronald Harris

University of Arizona
1064 E Lowell Street
Tucson, AZ 85721
Phone: (520) 621-7998
sallie_hejl@nps.gov

Administrative Representative(s)
Kelly Adams
Grants Management Specialist
National Park Service
Intermountain Regional Office
12795 W Alameda Parkway
Lakewood, CO 80228
Phone: (303) 969-2303
Fax: (303) 969-2786
kelly_adams@nps.gov
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9. Office of the Assistant Secretary of Defense for Sustainment
   Technical Representative(s)
   Vanessa Shoblock
   Natural Resources Specialist
   Department of Defense
   NAVFAC SW
   North Harbor Drive
   Bldg 1, 3rd Floor (Environmental)
   937 San Diego, CA 92132
   Phone: (615) 532-3516
   vanessa.m.shoblock@navy.mil

   Elizabeth Galli-Noble
   Program Manager
   DoD Legacy and Natural Resources Programs
   4800 Mark Center Drive, Suite 16F16
   Alexandria, VA 22350
   Phone: (571) 372-8299
   Mobile: (406) 581-8148
   elizabeth.j.galli-noble.ctr@mail.mil
   elizabeth.galli-nobl@ag.tamu.edu

   Administrative Representative(s)
   Lori Kruse-Johnson
   SWD CESU Program Manager
   U.S. Army Corps of Engineers - Tulsa District
   2488 E 81st Street
   Tulsa, OK 74137
   Phone: (918) 810-9419
   Lori.M.Kruse-Johnson@usace.army.mil

10. U.S. Army Corps of Engineers–Civil Works
    Technical Representative(s)
    Warren Lorentz
    Acting Technical Director
    Civil Engineering Programs
    Engineer Research and Development Center
    U.S. Army Corps of Engineers
    3909 Halls Ferry Road
    Vicksburg, MS 39180
    Phone: (601) 634-3750
    Warren.P.Lorentz@usace.army.mil

    Administrative Representative(s)
    Sherry Whitaker
    CESU Program Manager
    Engineer Research and Development Center
    U.S. Army Corps of Engineers
    3909 Halls Ferry Road
    Vicksburg, MS 39180
    Phone: (601) 634-2990
    Sherry.L.Whitaker@usace.army.mil
B. The representatives for the Host University, University of Arizona, are:

**Technical Representative(s)**

John Koprowski  
Director  
School of Natural Resources and the Environment  
The University of Arizona  
NR2 Room - N333  
1064 E Lowell Street  
PO Box 210137  
Tucson, AZ 85721  
Phone: (520) 626-5895  
5quirre1@email.arizona.edu

Ashley Stewart  
Program Coordinator  
Desert Southwest CESU  
School of Natural Resources and the Environment  
University of Arizona  
1311 E 4th Street, BSE Suite 325  
Tucson, AZ 85721  
Phone: (520) 621-7264  
Fax: (520) 621-8801  
akstewart@email.arizona.edu

**Administrative Representative(s)**

Stephen Harsy  
Director  
Contracting and Preaward Services  
Office of Sponsored Projects and Contracting Services  
The University of Arizona  
Administration Building, Room 601  
1401 E University Blvd  
PO Box 210066  
Tucson, AZ 85721  
Phone: (520) 626-4602  
Fax: (520) 621-7507  
harsy@email.arizona.edu

C. The representatives for the Partner Institutions are as follows:

1. **Baylor University**

   **Technical Representative(s)**

   Lee Nordt  
   Professor and Dean  
   Department of Geosciences  
   College of Arts and Sciences  
   Baylor Sciences Building, Room E421  
   Baylor University  
   Waco, TX 76798  
   Phone: (254) 710-3362  
   Lee_Nordt@baylor.edu

   **Administrative Representative(s)**

   Lisa McKethan, CRA

   Assistant Vice Provost for Research, Pre-Award Pre-Award Administration  
   Leuschner Building  
   Baylor University  
   602 St. James Street, Suite 302  
   Waco, TX 76706  
   Phone: (254) 710-8905  
   Lisa_McKethan@baylor.edu

2. **Eastern New Mexico University**

   **Technical Representative(s)**

   Heather Smith  
   Assistant Professor
3. Embry-Riddle Aeronautical University

   Technical Representative(s)

   Steven Daniel
   Research Engineer
   Embry-Riddle Aeronautical University
   1585 Aviation Center Parkway,
   Suite #606
   Daytona Beach, FL 32114
   Phone: (386) 226-2947
danied18@erau.edu

   Administrative Representative(s)

   Nanette Guzman
   Director
   Office of Sponsored Research Administration
   Embry-Riddle Aeronautical University
   600 S Clyde Morris Boulevard
   Daytona Beach, FL 32114-3900
   Phone: (386) 226-7695
   Fax: (386) 226-4901
guzmann2@erau.edu

4. Howard University

   Technical Representative(s)

   Eleanor King
   Associate Professor
   Department of Sociology and Criminology
   Douglass Hall, Room 224
   Howard University
   2441 6th Street NW
   Washington, DC 20059
   Phone: (202) 806-5225
   emking@howard.edu

   Administrative Representative(s)

   Dana Hector, CRA
   Director
   Research Administrative Services
   Howard University
   525 Bryant Street NW, Suite 137
   Washington, DC 20059
   Phone: (202) 806-4759
   Fax: (202) 483-8042
   ora@howard.edu

5. New Mexico State University

   Technical Representative(s)

   Matthew Gompper
   Professor and Department Head
   Department of Fish, Wildlife and Conservation Ecology
   Knox Hall 132
   New Mexico State University
   2980 South Espina Street
   PO Box 30003, MSC 4901
   Las Cruces, NM 88003-8003
   Phone: (575) 646-7051
   gompperm@nmsu.edu

   Administrative Representative(s)

   Rita Parra
   Director, Pre-Award Administration
   Research Administration Services
   Anderson Hall
6. Northern Arizona University
   Technical Representative(s)
   James Allen
   Professor and Executive Director
   School of Forestry
   Northern Arizona University
   PO Box 15018
   Flagstaff, AZ 86011-5018
   Phone: (928) 523-5894
   Fax: (928) 523-1080
   James.Allen@nau.edu

   Administrative Representative(s)
   Kerwin A. Lawrence, MBA, CRA
   Senior Sponsored Projects Officer
   Office of Sponsored Projects
   Northern Arizona University
   PO Box 4087
   Flagstaff, AZ 86011-4087
   Phone: (928) 523-4880
   Fax: (928) 523-1047
   kerwin.lawrence@nau.edu
   NAU-OSP@nau.edu

7. Texas State University
   Technical Representative(s)
   Evy Gonzales
   Director
   Research Support Services
   Office of Research and Sponsored Programs
   Texas State University
   601 University Drive, JCK 489
   San Marcos, TX 78666-4684
   Phone: (512) 245-2314
   EG13@txstate.edu

   Administrative Representative(s)
   Marivel Alvarez
   Director
   Post-Award Research and Support Services
   Office of Research and Sponsored Programs
   Texas State University
   601 University Drive, JCK 420
   San Marcos, TX 78666-4684
   Phone: (512) 245-2102
   Grants@txstate.edu

8. Universidad de Sonora
   Technical Representative(s)
   José Raúl Romo León
   Profesor Investigador de Tiempo Completo
   Universidad de Sonora
   Departamento de Investigaciones Científicas y Tecnológicas
   Blvd. Luis Encinas y Rosales S/N
   Col. Centro
   Hermosillo, Sonora, México
   Phone: +52 662 2592169 x1735
   jose.romo@unison.mx

9. University of California–Riverside
   Technical Representative(s)
   Darrel Jenerette
   Professor and Landscape Ecologist
   Department of Botany and Plant Sciences
   3203 Batchelor Hall
   University of California, Riverside
   Riverside, CA 92521-0334
   Phone: (951) 827-7113
   darrel.jenerette@ucr.edu

   Administrative Representative(s)
   Ursula Prins
   PreAward Manager
   Sponsored Programs Administration
   Research and Economic Development
10. University of Texas at Arlington

**Technical Representative(s)**
Kimberly Mayer  
Associate Vice President for Research  
College of Engineering  
The University of Texas at Arlington  
PO Box 19308  
Arlington, TX 76019-0145  
Phone: (817) 272-6481  
kimberly.mayer@uta.edu

**Administrative Representative(s)**
Sarah Panepinto  
Director  
Office of Grants and Contracts Services  
The University of Texas at Arlington  
701 S Nedderman Drive  
Arlington, TX 76019  
Phone: (817) 272-0243  
sarah.panepinto@uta.edu

11. University of Texas at El Paso

**Technical Representative(s)**
Carl Lieb  
Professor  
Department of Biological Sciences  
The University of Texas at El Paso  
500 W University  
El Paso, TX 79902  
Phone: (915) 747-5844  
clieb@utep.edu

**Administrative Representative(s)**
Stephen Aley

12. University of Texas at San Antonio

**Technical Representative(s)**
William Dupont  
San Antonio Conservation Society Endowed Professor  
Director, Center for Cultural Sustainability  
College of Architecture, Construction, and Planning  
The University of Texas at San Antonio  
Downtown Campus MNT 1.161  
501 Caesar E Chavez Blvd  
San Antonio, TX 78207  
Phone: (210) 458-3092  
william.dupont@utsa.edu

**Administrative Representative(s)**
Sandra Garcia  
Assistant Vice President for Sponsored Project Administration  
Office of Sponsored Project Administration  
The University of Texas at San Antonio  
Graduate School and Research Building, 2.104M  
One UTSA Circle  
San Antonio, TX 78249  
Phone: (210) 458-8250  
Sandra.Garcia4@utsa.edu

13. University of Utah

**Technical Representative(s)**
Kelly Bricker  
Professor and Chair  
Parks, Recreation, and Tourism  
University of Utah  
1901 E South Campus Drive  
Salt Lake City, UT 84112  
Phone: (801) 585-6503  
kelly.bricker@health.utah.edu

Administrative Representative(s)  
Brent Brown  
Director  
Office of Sponsored Projects  
University of Utah  
75 South 2000 East, Rm 211  
Salt Lake City, UT 84112-8930  
Phone: (801) 581-3003  
ospawards@osp.utah.edu

14. Archaeology Southwest  
Technical Representative(s)  
Nicole Taylor  
Director of Operations  
Archaeology Southwest  
300 N Ash Alley  
Tucson, AZ 85701  
Phone: (520) 882-6946 x24  
nicole@archaeologysouthwest.org

15. Arizona Game and Fish Department  
Technical Representative(s)  
Keith Knutson  
Chief, Wildlife Contracts Branch  
Arizona Game and Fish Department  
500 West Carefree Highway  
Phoenix, AZ 85086  
Phone: (623) 236-7247  
kknutson@azgfd.gov

16. Arizona-Sonora Desert Museum  
Technical Representative(s)  
Kim Franklin  
Conservation Biologist  
Arizona-Sonora Desert Museum  
2021 N Kinney Road  
Tucson, AZ 85743-8918  
Phone: (520) 883-3008  
kfranklin@desertmuseum.org

17. Bird Conservancy of the Rockies  
Technical Representative(s)  
Chris White  
Conservation Delivery Lead  
Bird Conservancy of the Rockies  
PO Box 1232  
Brighton, CO 80601  
Phone: (970) 482-1707 x24  
chris.white@birdconservancy.org

18. Cornerstones Community Partnerships  
Technical Representative(s)  
Jake Barrow  
Executive Director  
Cornerstones Community Partnerships  
PO Box 2341  
Santa Fe, NM 87504  
Phone: (505) 982-9521  
jbarrow@cstones.org

19. CyArk  
Technical Representative(s)  
Elizabeth Lee  
Director of Operations  
CyArk  
2201 Broadway, Suite 602  
Oakland, CA 94612  
Phone: (510) 832-5440  
elizabeth.lee@cyark.org

20. Desert Botanical Garden  
Technical Representative(s)  
Kimberlie McCue  
Director of Research  
Desert Botanical Garden
<table>
<thead>
<tr>
<th>Number</th>
<th>Organization</th>
<th>Technical Representative(s)</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>21.</td>
<td>Hawks Aloft, Inc.</td>
<td>Trevor Fetz, Senior Avian Biologist</td>
<td>Trevor Fetz, <a href="mailto:tfetz@hawksaloft.org">tfetz@hawksaloft.org</a></td>
</tr>
<tr>
<td>22.</td>
<td>Organization of American Historians</td>
<td>Paul Zwirecki, Public History Manager</td>
<td>Paul Zwirecki, <a href="mailto:pzwirecki@oah.org">pzwirecki@oah.org</a></td>
</tr>
<tr>
<td>23.</td>
<td>Pima County and Pima County</td>
<td>Julia Fonseca, Senior Planning Manager</td>
<td>Julia Fonseca, <a href="mailto:Julia.Fonseca@pima.gov">Julia.Fonseca@pima.gov</a></td>
</tr>
<tr>
<td>24.</td>
<td>California Botanic Garden</td>
<td>Lucinda McCade, Executive Director</td>
<td>Lucinda McCade, <a href="mailto:lucinda.mcdade@cgu.edu">lucinda.mcdade@cgu.edu</a></td>
</tr>
<tr>
<td>25.</td>
<td>Sky Island Alliance</td>
<td>Emily Burns, Program Director</td>
<td>Emily Burns, <a href="mailto:emily@skyislandalliance.org">emily@skyislandalliance.org</a></td>
</tr>
<tr>
<td>26.</td>
<td>Sonoran Institute</td>
<td>John Shepard, Senior Advisor</td>
<td>John Shepard, <a href="mailto:jshepard@sonoraninstitute.org">jshepard@sonoraninstitute.org</a></td>
</tr>
<tr>
<td>27.</td>
<td>The Nature Conservancy</td>
<td>Terry Sullivan, State Director</td>
<td>Terry Sullivan, <a href="mailto:tswall@tnc.org">tswall@tnc.org</a></td>
</tr>
<tr>
<td>28.</td>
<td>Western Association of Fish and</td>
<td></td>
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<td>Wildlife Agencies</td>
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</tbody>
</table>
ARTICLE V. AWARD

A. Upon signature of all parties to this Agreement, the CESU Network National Office shall administer support funding to the Desert Southwest CESU Host University in furtherance of the Agreement, to be authorized and executed by a modification to the Agreement. The amount of funding shall be determined in accordance with CESU Council annual host institution support guidelines.

B. Payments will be made by the Federal Agencies for work in accordance with 2 CFR 200, as appropriate, and the related federal agency regulations, as applicable, specifically, 22 CFR Part 518 (Department of Defense), 10 U.S.C. § 2358, 33 U.S.C. § 2323(a), 10 U.S.C. § 3036(d), DOD 3210.6-R, and Department of Defense Grant and Agreement Regulations (U.S. Army Corps of Engineers-Civil Works).

C. A 17.5% indirect cost rate will be paid on work covered by the Agreement and all its modifications or task agreements, with exceptions listed in Article V. paragraphs C.1., C.2., and C.3. (below). Refer to agency-specific policy and guidance for additional information regarding approval and implementation under 2 CFR 200, as appropriate (e.g., DOI-AAAP-0007 [Department of the Interior]; FAM-2015-02 [Department of Commerce]).

1. The USFS cannot reimburse "state cooperative institutions" for indirect costs, pursuant to 7 U.S.C. § 3103(18) and 7 U.S.C. § 3319. Indirect costs may be used to satisfy USFS cost sharing requirements of at least a minimum of 20% of total project costs. It is recommended that cost-sharing is greater than 20% in accordance with the Forest Service Handbook FSH1509.11, Chapter 70.

2. For NRCS, the indirect cost rate is limited to 10% of total direct costs for colleges, universities, and other nonprofit organizations pursuant to Section 704 of Pub. L. 116-94.
3. No indirect cost will be charged by the Host University for funds transferred directly from a participating Federal Agency to a Partner Institution via a modification to the Agreement.

D. Award of additional funds or in-kind resources will be made through modifications to the Agreement subject to the rules, regulations, and policies of the individual Federal Agency proposing the modification.

E. Nothing herein shall be construed as obligating the Federal Agencies to expend, or as involving the Federal Agencies in any contract or other obligation for the future payment of money, in excess of appropriations authorized by law and administratively allocated for specific work.

ARTICLE VI. PRIOR APPROVAL

Prior approvals are in accordance with 2 CFR 200, as appropriate, and the related federal agency regulations, as applicable, specifically 22 CFR Part 518 (Department of Defense), 10 U.S.C. § 2358, 33 U.S.C. § 2323(a), 10 U.S.C. § 3036(d), DOD 3210.6-R, and Department of Defense Grant and Agreement Regulations (U.S. Army Corps of Engineers–Civil Works).

ARTICLE VII. REPORTS AND/OR DELIVERABLES

A. Reports in accordance with 2 CFR 200, as appropriate, and the related federal agency regulations, as applicable, specifically 22 CFR Part 518 (Department of Defense), 10 U.S.C. § 2358, 33 U.S.C. § 2323(a), 10 U.S.C. § 3036(d), DOD 3210.6-R, and Department of Defense Grant and Agreement Regulations (U.S. Army Corps of Engineers–Civil Works) establish uniform reporting procedures for financial and technical reporting.

B. As appropriate, the Host University will convene periodic meetings of Desert Southwest CESU Federal Agencies and Partner Institutions for the purpose of collaboration and coordination of CESU activities. Copies of the meeting minutes will be available to all parties to the Agreement.

C. A current role and mission statement for the Desert Southwest CESU will be agreed to and maintained by all Desert Southwest CESU cooperators. Copies of the role and mission statement will be available to all parties to the Agreement.

D. Annual work plans will be developed to guide the specific activities of the Desert Southwest CESU and will:
1. Describe the Desert Southwest CESU’s ongoing and proposed research, technical assistance, and education activities;

2. Describe anticipated projects and products; and

3. Identify faculty, staff, and students involved in the Desert Southwest CESU during the year.

Copies of the annual work plan will be available to all parties to the Agreement.

E. A current multi-year strategic plan will be maintained to generally guide the Desert Southwest CESU. Copies of the strategic plan will be available to all parties to the Agreement.

ARTICLE VIII. PROPERTY UTILIZATION AND DISPOSITION

Property utilization and disposition is in accordance with 2 CFR 200, as appropriate, and the related federal agency regulations, as applicable, specifically 22 CFR Part 518 (Department of Defense), 10 U.S.C. § 2358, 33 U.S.C. § 2323(a), 10 U.S.C. § 3036(d), and DOD 3210.6-R, Department of Defense Grant and Agreement Regulations (U.S. Army Corps of Engineers-Civil Works).

ARTICLE IX. TERMINATION

Termination of this Agreement is in accordance with 2 CFR 200, as appropriate, and the related federal agency regulations, as applicable, specifically 22 CFR Part 518 (Department of Defense), 10 U.S.C. § 2358, 33 U.S.C. § 2323(a), 10 U.S.C. § 3036(d), DOD 3210.6-R, and Department of Defense Grant and Agreement Regulations (U.S. Army Corps of Engineers-Civil Works). Any party to this Agreement may terminate its participation by delivery of ninety (90) days advance written notice to each of the Federal Agencies and the Host University.

ARTICLE X: REQUIRED/SPECIAL PROVISIONS

A. REQUIRED PROVISIONS:

1. NON-DISCRIMINATION: All activities pursuant to this Agreement and the provisions of Executive Order 11246; shall be in compliance with applicable requirements of Title VI of the Civil Rights Act of 1964 (78 Stat. 252 42 U.S.C. § 2000d et seq.); Title V, Section 504 of the Rehabilitation Act of 1973 (87 Stat. 394; 29 U.S.C. § 794); the Age Discrimination Act of 1975 (89 Stat. 728; 42 U.S.C. § 6101 et seq.); and with all other applicable Federal laws and regulations
prohibiting discrimination on grounds of race, color, national origin, disability, religion, or sex in providing of facilities and services to the public.

2. CONSISTENCY WITH PUBLIC LAWS: Nothing herein contained shall be deemed to be inconsistent with or contrary to the purpose of or intent of any Act of Congress establishing, affecting, or relating to the Agreement.

3. APPROPRIATIONS (Anti-Deficiency Act, 31 U.S.C. § 1341): Nothing herein contained in this Agreement shall be construed as binding the Federal Agencies to expend in any one fiscal year any sum in excess of appropriations made by Congress, for the purposes of this Agreement for that fiscal year, or other obligation for the further expenditure of money in excess of such appropriations.

4. OFFICIALS NOT TO BENEFIT: No Member of, Delegate to, or Resident Commissioner in, Congress shall be admitted to any share or part of this Agreement or to any benefit to arise therefrom.

5. LOBBYING PROHIBITION: The parties will abide by the provisions of 18 U.S.C. § 1913 (Lobbying with Appropriated Moneys), which states:

No part of the money appropriated by any enactment of Congress shall, in the absence of express authorization by Congress, be used directly or indirectly to pay for any personal service, advertisement, telegram, telephone, letter, printed or written matter, or other device, intended or designed to influence in any manner a Member of Congress, a jurisdiction, or an official of any government, to favor, adopt, or oppose, by vote or otherwise, any legislation, law, ratification, policy or appropriation, whether before or after the introduction of any bill, measure, or resolution proposing such legislation, law, ratification, policy, or appropriation; but this shall not prevent officers or employees of the United States or of its departments or agencies from communicating to any such Member or official, at his request, or to Congress or such official, through the proper official channels, requests for any legislation, law, ratification, policy, or appropriations which they deem necessary for the efficient conduct of the public business, or from making any communication whose prohibition by this section might, in the opinion of the Attorney General, violate the Constitution or interfere with the conduct of foreign policy, counter-intelligence, intelligence, or national security activities.

6. LIABILITY PROVISION:

a) Governmental Parties

(1) The Federal Agencies (excluding the U.S. Forest Service), Host University, and Partner Institutions which are governmental parties, each accept responsibility for any property damage, injury, or death caused by the acts or omissions of their respective employees, acting within the
scope of their employment, to the fullest extent permitted by their respective applicable laws, including laws concerning self-insurance.

(2) To the extent work by governmental parties is to be performed through sub-contract by non-governmental entities or persons, the governmental party sub-contracting work will require that subcontracted entity or person to meet provisions (1), (2), and (3) for non-governmental parties stated below.

(3) This provision is applicable to the U.S. Forest Service acting by and through the Forest Service, USDA does hereby recognize potential liability for payment of claims for injury or loss of property of personal injury or death caused by the Government, or any officer, agent or employee thereof, while acting within the scope of his/her office of employment under circumstances when the United States, if a private person, would be liable to the claimant in accordance with the law of the place where the act or omission occurred (28 U.S.C. §§1346 (b), 2672 et seq.).

b) Non-governmental Parties: Work provided by non-governmental entities or persons, will require that entity or person to:

(1) Have public and employee liability insurance from a responsible company or companies with a minimum limitation of one million dollars ($1,000,000) per person for any one claim, and an aggregate limitation of three million dollars ($3,000,000) for any number of claims arising from any one incident. In subsequent modifications, the parties may negotiate different levels of liability coverage, as appropriate. The policies shall name the United States as an additional insured, shall specify that the insured shall have no right of subrogation against the United States for payments of any premiums or deductibles due thereunder, and shall specify that the insurance shall be assumed by, be for the account of, and be at the insured's sole risk; and

(2) Pay the United States the full value for all damages to the lands or other property of the United States caused by such person or organization, its representatives, or employees; and

(3) Indemnify, save and hold harmless, and defend the United States against all fines, claims, damages, losses, judgments, and expenses arising out of, or from, any omission or activity of such person or organization, its representatives, or employees.

(4) Non-governmental Partner Institutions shall provide the Federal Agencies confirmation of such insurance coverage, prior to beginning specific work authorized herein and specified in subsequent modifications.
7. TRAFFICKING IN PERSONS: This Agreement and its subsequent modifications and task agreements are subject to requirements of section 106(g) of the Trafficking Victims Protection Act of 2000, as amended (22 U.S.C. § 7104); now located at 2 CFR Part 175: Trafficking in Persons.

a) Provisions applicable to a recipient that is a private entity.

(1) You as the recipient, your employees, subrecipients under this award, and subrecipients’ employees may not—

i Engage in severe forms of trafficking in persons during the period of time that the award is in effect;

ii Procure a commercial sex act during the period of time that the award is in effect; or

iii Use forced labor in the performance of the award or subawards under the award.

(2) We as the Federal awarding agency may unilaterally terminate this award, without penalty, if you or a subrecipient that is a private entity—

i Is determined to have violated a prohibition in paragraph (a) (1) of this award term; or

ii Has an employee who is determined by the agency official authorized to terminate the award to have violated a prohibition in paragraph (a) (1) of this award term through conduct that is either—

(a) Associated with performance under this award; or

(b) Imputed to you or the subrecipient using the standards and due process for imputing the conduct of an individual to an organization that are provided in 2 CFR part 180, “OMB Guidelines to Agencies on Government wide Debarment and Suspension (Nonprocurement),” as implemented by each respective federal agency partner at: 2 CFR Part 1125 (Department of Defense), 2 CFR Part 1326 (Department of Commerce), 2 CFR 1400 (Department of the Interior), and 7 CFR Part 3017 (Department of Agriculture).

b) Provision applicable to a recipient other than a private entity. We as the Federal awarding agency may unilaterally terminate this award, without penalty, if a subrecipient that is a private entity—
(1) Is determined to have violated an applicable prohibition in paragraph (a) (1) of this award term; or

(2) Has an employee who is determined by the agency official authorized to terminate the award to have violated an applicable prohibition in paragraph (a) (1) of this award term through conduct that is either—

i Associated with performance under this award; or

ii Imputed to the subrecipient using the standards and due process for imputing the conduct of an individual to an organization that are provided in 2 CFR part 180, “OMB Guidelines to Agencies on Government wide Debarment and Suspension (Nonprocurement),” as implemented by our agency at 2 CFR Part 1125 (Department of Defense), 2 CFR Part 1326 (Department of Commerce), 2 CFR 1400 (Department of the Interior), and 7 CFR Part 3017 (Department of Agriculture).

c) Provisions applicable to any recipient.

(1) You must inform us immediately of any information you receive from any source alleging a violation of a prohibition in paragraph (a) (1) of this award term.

(2) Our right to terminate unilaterally that is described in paragraph (a) (2) or (b) of this section:

i Implements section 106(g) of the Trafficking Victims Protection Act of 2000 (TVPA), as amended (22 U.S.C. § 7104(g)), and

ii Is in addition to all other remedies for noncompliance that are available to us under this award.

(3) You must include the requirements of paragraph (a) (1) of this award term in any subaward you make to a private entity.

d) Definitions. For purposes of this award term:

(1) “Employee” means either:

i An individual employed by you or a subrecipient who is engaged in the performance of the project or program under this award; or

ii Another person engaged in the performance of the project or program under this award and not compensated by you including, but not limited to, a volunteer or individual whose services are contributed by a
third party as an in-kind contribution toward cost sharing or matching requirements.

(2) “Forced labor” means labor obtained by any of the following methods: the recruitment, harboring, transportation, provision, or obtaining of a person for labor or services, through the use of force, fraud, or coercion for the purpose of subjection to involuntary servitude, peonage, debt bondage, or slavery.

(3) “Private entity” means any entity other than a State, local government, Indian tribe, or foreign public entity, as those terms are defined in 2 CFR 175.25. Includes:

i A nonprofit organization, including any nonprofit institution of higher education, hospital, or tribal organization other than one included in the definition of Indian tribe at 2 CFR 175.25(b).

ii A for-profit organization.

(4) “Severe forms of trafficking in persons,” “commercial sex act,” and “coercion” have the meanings given at section 103 of the TVPA, as amended (22 U.S.C. § 7102).

8. TEXT MESSAGING WHILE DRIVING. In accordance with Executive Order (EO) 13513, “Federal Leadership on Reducing Text Messaging While Driving,” the following actions by Federal employees are banned: a) any and all text messaging by while driving a Government owned vehicle (GOV) or driving a privately owned vehicle (POV) while on official Government business; or b) using any electronic equipment supplied by the Government when driving any vehicle at any time. All cooperators, their employees, volunteers, and contractors are encouraged to adopt and enforce policies that ban text messaging when driving company owned, leased or rented vehicles, POVs or GOVs when driving while on official Government business or when performing any work for or on behalf of the Government.

9. MINIMUM WAGES UNDER EXECUTIVE ORDER 13658

a) Definitions. As used in this clause—

“United States” means the 50 states and the District of Columbia.

“Worker”—

(1) Means any person engaged in performing work on, or in connection with, an agreement covered by Executive Order 13658, and
i Whose wages under such agreements are governed by the Fair Labor Standards Act (29 U.S.C. chapter 8), the Service Contract Labor Standards statute (41 U.S.C. chapter 67), or the Wage Rate Requirements (Construction) statute (40 U.S.C. chapter 31, subchapter IV),

ii Other than individuals employed in a bona fide executive, administrative, or professional capacity, as those terms are defined in 29 C.F.R. § 541,

iii Regardless of the contractual relationship alleged to exist between the individual and the employer.

(2) Includes workers performing on, or in connection with, the agreement whose wages are calculated pursuant to special certificates issued under 29 U.S.C. § 214(c).

(3) Also includes any person working on, or in connection with, the agreement and individually registered in a bona fide apprenticeship or training program registered with the Department of Labor’s Employment and Training Administration, Office of Apprenticeship, or with a State Apprenticeship Agency recognized by the Office of Apprenticeship.

b) Executive Order Minimum Wage Rate.

(1) The Recipient shall pay to workers, while performing in the United States, and performing on, or in connection with, this agreement, a minimum hourly wage rate of $10.10 per hour beginning January 1, 2015.

(2) The Recipient shall adjust the minimum wage paid, if necessary, beginning January 1, 2016 and annually thereafter, to meet the Secretary of Labor’s annual E.O. minimum wage. The Administrator of the Department of Labor’s Wage and Hour Division (the Administrator) will publish annual determinations in the Federal Register no later than 90 days before the effective date of the new E.O. minimum wage rate. The Administrator will also publish the applicable E.O. minimum wage on www.wdol.gov (or any successor Web site) and on all wage determinations issued under the Service Contract Labor Standards statute or the Wage Rate Requirements (Construction) statute. The applicable published E.O. minimum wage is incorporated by reference into this agreement.

(3) (i) The Recipient may request a price adjustment only after the effective date of the new annual E.O. minimum wage determination. Prices will be adjusted only if labor costs increase as a result of an increase in the annual E.O. minimum wage, and for associated labor costs and
relevant subaward costs. Associated labor costs shall include increases or decreases that result from changes in social security and unemployment taxes and workers’ compensation insurance, but will not otherwise include any amount for general and administrative costs, overhead, or profit.

(ii) Subrecipients may be entitled to adjustments due to the new minimum wage, pursuant to paragraph (b)(2). Recipients shall consider any Subrecipient requests for such price adjustment.

(iii) The Awarding Officer will not adjust the agreement price under this clause for any costs other than those identified in paragraph (b)(3)(i) of this clause, and will not provide duplicate price adjustments with any price adjustment under clauses implementing the Service Contract Labor Standards statute or the Wage Rate Requirements (Construction) statute.

(4) The Recipient warrants that the prices in this agreement do not include allowance for any contingency to cover increased costs for which adjustment is provided under this clause.

(5) The Recipient shall pay, unconditionally to each worker, all wages due free and clear without subsequent rebate or kickback. The Recipient may make deductions that reduce a worker’s wages below the E.O. minimum wage rate only if done in accordance with 29 C.F.R. § 10.23, Deductions.

(6) The Recipient shall not discharge any part of its minimum wage obligation under this clause by furnishing fringe benefits or, with respect to workers whose wages are governed by the Service Contract Labor Standards statute, the cash equivalent thereof.

(7) Nothing in this clause shall excuse the Recipient from compliance with any applicable Federal or State prevailing wage law or any applicable law or municipal ordinance establishing a minimum wage higher than the E.O. minimum wage. However, wage increases under such other laws or municipal ordinances are not subject to price adjustment under this subpart.

(8) The Recipient shall pay the E.O. minimum wage rate whenever it is higher than any applicable collective bargaining agreement(s) wage rate.

(9) The Recipient shall follow the policies and procedures in 29 C.F.R. § 10.24(b) and 10.28 for treatment of workers engaged in an occupation in which they customarily and regularly receive more than $30 a month in tips.
c) (1) This clause applies to workers as defined in paragraph (a). As provided in that definition—

i Workers are covered regardless of the contractual relationship alleged to exist between the Recipient or Subrecipient and the worker;

ii Workers with disabilities whose wages are calculated pursuant to special certificates issued under 29 U.S.C. § 214(c) are covered; and

iii Workers who are registered in a bona fide apprenticeship program or training program registered with the Department of Labor's Employment and Training Administration, Office of Apprenticeship, or with a State Apprenticeship Agency recognized by the Office of Apprenticeship, are covered.

(2) This clause does not apply to—

i Fair Labor Standards Act (FLSA) – covered individuals performing in connection with contracts covered by the E.O., i.e. those individuals who perform duties necessary to the performance of the agreement, but who are not directly engaged in performing the specific work called for by the agreement, and who spend less than 20 percent of their hours worked in a particular workweek performing in connection with such agreements;

ii Individuals exempted from the minimum wage requirements of the FLSA under 29 U.S.C. § 213(a) and 214(a) and (b), unless otherwise covered by the Service Contract Labor Standards statute, or the Wage Rate Requirements (Construction) statute. These individuals include but are not limited to—

(a) Learners, apprentices, or messengers whose wages are calculated pursuant to special certificates issued under 29 U.S.C. § 214(a).

(b) Students whose wages are calculated pursuant to special certificates issued under 29 U.S.C. § 214(b).

(c) Those employed in a bona fide executive, administrative, or professional capacity (29 U.S.C. § 213(a)(1) and 29 C.F.R. § part 541).

d) Notice. The Recipient shall notify all workers performing work on, or in connection with, this agreement of the applicable E.O. minimum wage rate under this clause. With respect to workers covered by the Service Contract Labor Standards statute or the Wage Rate Requirements (Construction) statute, the Contractor may meet this requirement by posting, in a prominent
and accessible place at the worksite, the applicable wage determination under those statutes. With respect to workers whose wages are governed by the FLSA, the Recipient shall post notice, utilizing the poster provided by the Administrator, which can be obtained at www.dol.gov/whd/govcontracts, in a prominent and accessible place at the worksite. Recipients that customarily post notices to workers electronically may post the notice electronically provided the electronic posting is displayed prominently on any Web site that is maintained by the Recipient, whether external or internal, and customarily used for notices to workers about terms and conditions of employment.

e) Payroll Records.
(1) The Recipient shall make and maintain records, for three years after completion of the work, containing the following information for each worker:

- i. Name, address, and social security number;
- ii. The worker's occupation(s) or classification(s);
- iii. The rate or rates of wages paid;
- iv. The number of daily and weekly hours worked by each worker;
- v. Any deductions made; and
- vi. Total wages paid.

(2) The Recipient shall make records pursuant to paragraph (e) (1) of this clause available for inspection and transcription by authorized representatives of the Administrator. The Recipient shall also make such records available upon request of the Contracting Officer.

(3) The Recipient shall make a copy of the agreement available, as applicable, for inspection or transcription by authorized representatives of the Administrator.

(4) Failure to comply with this paragraph (e) shall be a violation of 29 C.F.R. § 10.26 and this agreement. Upon direction of the Administrator or upon the Awarding Officer's own action, payment shall be withheld until such time as the noncompliance is corrected.

(5) Nothing in this clause limits or otherwise modifies the Recipient’s payroll and recordkeeping obligations, if any, under the Service Contract Labor Standards statute, the Wage Rate Requirements (Construction) statute, the Fair Labor Standards Act, or any other applicable law.

f) Access. The Recipient shall permit authorized representatives of the Administrator to conduct investigations, including interviewing workers at the worksite during normal working hours.
g) **Withholding.** The Awarding Officer, upon his or her own action or upon written request of the Administrator, will withhold funds or cause funds to be withheld, from the Recipient under this or any other Federal agreement with the same Recipient, sufficient to pay workers the full amount of wages required by this clause.

h) **Disputes.** Department of Labor has set forth in 29 C.F.R. § 10.51, Disputes concerning Recipient compliance, the procedures for resolving disputes concerning a Recipient’s compliance with Department of Labor regulations at 29 C.F.R. § 10. Such disputes shall be resolved in accordance with those. This includes disputes between the Recipient (or any of its Subrecipients) and the contracting agency, the Department of Labor, or the workers or their representatives.

i) **Antiretaliation.** The Recipient shall not discharge or in any other manner discriminate against any worker because such worker has filed any complaint or instituted or caused to be instituted any proceeding under or related to compliance with the E.O. or this clause, or has testified or is about to testify in any such proceeding.

j) **Subcontractor compliance.** The Recipient is responsible for Subrecipient compliance with the requirements of this clause and may be held liable for unpaid wages due Subrecipient workers.

k) **Subawards.** The Recipient shall include the substance of this clause, including this paragraph (k) in all subawards, regardless of dollar value, that are subject to the Service Contract Labor Standards statute or the Wage Rate Requirements (Construction) statute, and are to be performed in whole or in part in the United States.

B. **SPECIAL PROVISIONS:**

1. Joint publication of results is encouraged; however, no party will publish any results of joint effort without consulting the other. This is not to be construed as applying to popular publication of previously published technical matter. Publication may be joint or independent as may be agreed upon, always giving due credit to the cooperation of participating Federal Agencies, the Host University, and Partner Institutions, and recognizing within proper limits the rights of individuals doing the work. In the case of failure to agree as to the manner of publication or interpretation of results, either party may publish data after due notice (not to exceed 60 days) and submission of the proposed manuscripts to the other. In such instances, the party publishing the data will give due credit to the cooperation but assume full responsibility of any statements on which there is a difference of opinion. Federal agencies reserve the right to issue a disclaimer if such a disclaimer is determined to be appropriate.
2. The results of any cooperative studies may be used in developing theses in partial fulfillment of requirements for advanced degrees and nothing herein shall delay publication of theses.

3. Individual modifications shall include specific plans for data management, sharing, and archiving, as appropriate.

ARTICLE XI: DOCUMENTS INCORPORATED BY REFERENCE

The following are to be incorporated into this Agreement:

A. SF-LLL – Disclosure of Lobbying Activities or Grants.gov Lobbying Form certification, identified in the agencies Funding Opportunity Announcement.

B. Specific project award documents will incorporate the required Standard Forms for Application for Financial Assistance, as appropriate:

- SF-424 – Application for Financial Assistance
- SF-424A – Budget for Non-Construction
- SF-424B – Assurances for Non-Construction

Standard Forms are available on the CESU Network website (www.cesu.org).

ARTICLE XII. ATTACHMENTS/LINKS

The following documents are attached for use per agency requirements, as appropriate:

- Request for Advance or Reimbursement, SF-270
- Federal Financial Report, SF-425
- Example (NPS) CESU Award Modification Template

Attachment documents are available on the CESU Network website (www.cesu.org).
ARTICLE XIII. AUTHORIZING SIGNATURES

The following authorizing signatures are attached:

U.S. DEPARTMENT OF THE INTERIOR
A. Bureau of Indian Affairs
B. Bureau of Land Management
C. U.S. Bureau of Reclamation
D. U.S. Fish and Wildlife Service
E. U.S. Geological Survey
F. National Park Service

U.S. DEPARTMENT OF AGRICULTURE
G. U.S. Forest Service
H. Natural Resources Conservation Service

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

K. ARIZONA BOARD OF REGENTS
   THE UNIVERSITY OF ARIZONA (HOST)

L. Baylor University
M. Eastern New Mexico University
N. Embry-Riddle Aeronautical University
O. Howard University
P. New Mexico State University
Q. Northern Arizona University
R. Texas State University
S. Universidad de Sonora
T. University of California–Riverside
U. University of Texas at Arlington
V. University of Texas at El Paso
W. University of Texas at San Antonio
X. University of Utah
Y. Archaeology Southwest
Z. Arizona Game and Fish Department
AA. Arizona-Sonora Desert Museum
BB. Bird Conservancy of the Rockies
CC. Cornerstones Community Partnerships
DD. CyArk
EE. Desert Botanical Garden
FF. Hawks Aloft, Inc.
GG. Organization of American Historians
HH. Pima County and Pima County Regional Flood Control District
II. California Botanic Garden
JJ. Sky Island Alliance
KK. Sonoran Institute
LL. The Nature Conservancy
MM. Western Association of Fish and Wildlife Agencies
NN. Western National Parks Association
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

A. Bureau of Indian Affairs

Darryl LaCounte
Digitally signed by Darryl LaCounte
Date: 2020.08.25 13:04:08 -04'00'

Darryl LaCounte
Director, Bureau of Indian Affairs
U.S. Department of the Interior

JoAnn Metcalf
Grants Management Specialist
Grant Officer

09/01/2020
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

B. Bureau of Land Management

RAYMOND SUAZO
Digitally signed by RAYMOND SUAZO
Date: 2020.08.13 10:47:58 -07'00'

Raymond Suazo
Arizona State Director

ELIZABETH LOVE
Digitally signed by ELIZABETH LOVE
Date: 2020.08.13 09:46:11 -07'00'

Elizabeth Love
Grants Management Officer
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

C. Bureau of Reclamation

GLEN JOSEPHSON
Digitally signed by Glen Josephson
Date: 2020.08.06 14:35:13 -06'00'

Glen Josephson
Grants Officer

Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

D. U.S. Fish and Wildlife Service

Anna-Marie York  Date
Grants Management Specialist
Science Applications

8/27/2020
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

E. U.S. Geological Survey

[Signature]
Faith D. Graves
Contracting Officer

[Signature]
8/6/2020
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

F. National Park Service

ANDREW LUBNER

Digitally signed by ANDREW LUBNER
Date: 2020.08.10
18:53:04 -06'00'

Andrew E. Lubner
Contracting Officer (WASO)

Kelvin A. Delaney
Financial Assistance Officer (IMR)

8/10/2020
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

G. U.S. Forest Service

MONICA LEAR

Monica Lear
Station Director
Rocky Mountain Research Station

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

Cindy Gordon
Lead Grants and Agreements Specialist
Rocky Mountain Research Station
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

H. Natural Resources Conservation Service

Digitally signed by Kevin D. Norton
Date: 2020.08.11 14:05:40 -04'00'

Kevin D. Norton
Associate Chief for Conservation

Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

I. Office of the Assistant Secretary of Defense for Sustainment

Ryan Orndorff
Director, DoD Natural Resources Program

8/10/202
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

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

WHITTEN.CHELSEA.M. Digitally signed by
1139493768

Digitally signed by
WHITTEN.CHELSEA.M.1139493768
Date: 2020.08.14 12:59:50 -05'00'

Chelsea Whitten
Lead Contract Specialist
ERDC Contracting Office
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

K. ARIZONA BOARD OF REGENTS - THE UNIVERSITY OF ARIZONA (HOST)

[Signature]
Mark A. Drury
Contracts Manager

[Signature]
Stephen Harsy
Director, Contracting and Preaward Services
Office of Sponsored Projects and Contracting Services

8/13/2020
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

L. Baylor University

Lisa McKethan
Lisa McKethan
Assistant Vice Provost for Research, Pre-Award

11/20/20
Date

ATTEST: Marsha J. Duckworth,
Assistant Secretary
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

M. Eastern New Mexico University

Gordon, Gillian

Digitally signed by Gordon, Gillian
Date: 2020.08.12 11:13:11
-06'00'

Gillian Gordon
Manager
Office of Sponsored Projects
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

N. Embry-Riddle Aeronautical University

Nanette Guzman
Director
Office of Sponsored Research Administration

Digitally signed by Nanette Guzman
Date: 2022.07.25 08:29:11 -04'00'

July 25, 2022
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

O. Howard University

Dana C. Hector, CRA
Executive Director for Research
Research Administrative Services

Date
08/27/2020
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

P. New Mexico State University

Rita C. Parra, New Mexico State University

Digitally signed by Rita C. Parra,
New Mexico State University
Date: 2020.08.14 09:49:57
-06'00'

for Alisha A. Giron
Assistant Vice President, Research Administration

08/14/2020 Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

Q. Northern Arizona University

[Signature]

Kerwin A. Lawrence
Sr. Sponsored Projects Officer
Office of Sponsored Projects

08/17/2020
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

R. Texas State University

Aug 13, 2020

Walter E. Horton, Jr., Ph.D.
Chief Research Officer

Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

S. Universidad de Sonora

[This partner is currently inactive pending submission of signature page per Article III. A.]

Enrique Fernando Velázquez Contreras
Rektor

Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

T. The Regents of the University of California, on behalf of its Riverside campus

[Signature]
Ursula N. Prins
PreAward Manager
Sponsored Programs Administration

[Date]

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Desert Southwest CESU Agreement 2020-2025  Page 57 of 77
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

U. University of Texas at Arlington

Sarah Panepinto
Director
Office of Grants and Contracts Services

Digitally signed by Sarah Panepinto
DN: cn=Sarah Panepinto, o=Grant and Contract Services, ou=Office of Grant and Contract Services, email=sarah.panepinto@uta.edu, c=US
Date: 2020.08.24 13:31:08 -05'00'

8/24/2020
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

V. University of Texas at El Paso

Stephen Aley
Associate Vice President for Research
Office of Research and Sponsored Projects

Date
8/18/20
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

W. University of Texas at San Antonio

Sandra Garcia
Assistant Vice President for Sponsored Project Administration

08/24/2020

Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

X. University of Utah

Brent Brown

Digitally signed by Brent Brown
Date: 2020.08.12
21:59:43 -06'00'

08/12/2020

Brent Brown
Director
Office of Sponsored Projects
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

Y. Archaeology Southwest

Nicole Taylor  
Director of Operations  8/6/2020  
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

Z. Arizona Game and Fish Department

Tom Finley  
Deputy Director

Jim DeVe S  
Assistant Director

Date 8/13/20
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

AA. Arizona-Sonora Desert Museum

Craig Ivanyi
Executive Director

08/24/2020
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

BB. Bird Conservancy of the Rockies

[Signature]
Tammy VerCauteren
Executive Director

9-2-2020
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

CC. Cornerstones Community Partnerships

Jake Barrow
Executive Director

Date
8/10/20
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

DD. CyArk

----------------------------------------------------------------------------------
<table>
<thead>
<tr>
<th>Elizabeth Lee</th>
<th>Date</th>
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<tbody>
<tr>
<td>Vice President</td>
<td>8/13/2020</td>
</tr>
<tr>
<td>Programs and Development</td>
<td>Date</td>
</tr>
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ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

EE. Desert Botanical Garden

Ken Schutz
Executive Director

Date: 9/16/20
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

FF. Hawks Aloft, Inc.

Gail Garber

Gail Garber
Executive Director

8/25/20
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

GG. Organization of American Historians

Katherine Finley  
Executive Director

8-6-20  
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

HH. Pima County and Pima County Regional Flood Control District

[Signature]

Carmine DeBonis
Deputy County Administrator

8/11/2020
Date
II. Rancho Santa Ana Botanic Garden

[no California Botanic Garden]

[Signature]

Lucinda McDade
Executive Director

9 Sept 2020
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

J.J. Sky Island Alliance

[Signature]
Louise Misztal
Executive Director

8/10/2020
Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

KK. Sonoran Institute

[Signature]

Stephanie Sklar  
Chief Executive Officer

[Signature]

John Shepard

Date: 8/12/20
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

LL. The Nature Conservancy

[This partner is currently inactive pending submission of signature page per Article III. A.]

Terry Sullivan  
State Director, New Mexico
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

MM. Western Association of Fish and Wildlife Agencies

Chris Moore  8/10/2020
Acting Executive Director  Date
ARTICLE XIII. AUTHORIZING SIGNATURES (cont.)

NN. Western National Parks Association

Jim Cook
Executive Director

2/8/2021
Date