



**National Park Service
U.S. Department of the Interior**

NOTICE OF INTENT TO AWARD

This Funding Announcement is not a request for applications. This announcement is to provide public notice of the National Park Service (NPS)'s intention to fund a Task Agreement against an existing Master Agreement.

ABSTRACT	
Funding Announcement	P16AS00260
Project Title	National Park Service- Plant demography and vulnerability to climate change at Organ Pipe Cactus National Monument & Pinacate Biosphere Reserve
Recipient	University of Arizona
Total Anticipated Award Amount	\$56,026
Cost Share	<i>None Required</i>
Anticipated Length of Agreement	Through July 31, 2018
Anticipated Period of Performance	Through July 31, 2018
Award Instrument	Cooperative Agreement (task award)
Statutory Authority	<i>54 U.S.C. §100703, Cooperative Study Units</i>
CFDA # and Title	<i>15.945, Cooperative Research & Training Programs</i>
Point of Contact	Katie Gaertner, Grants Management Specialist

OVERVIEW, RECIPIENT AND NPS SUBSTANTIAL INVOLVEMENT

The University of Arizona (UAZ) will collaborate with the National Park Service (NPS) to establish long-term demographic plots to study acuña cactus in the Pinacate Biosphere Reserve. These plots will use the same protocols and be comparable to the six plots already established at Organ Pipe, combine data sets from Organ Pipe, Pinacate, and UNAM with down-scaled climate projections for the Sonoran Desert and develop powerful statistical models that will prediction plant population response to climate change and to submit one or more papers on long-term demography and climate change to peer-reviewed ecological journals.

Substantial involvement on the part the National Park Service (NPS) is anticipated for the successful completion

of the objectives to be funded by this award. NPS staff will assist with refining project goals and priorities, providing background information, data sets, and assistance with spatial data management and to participate in some field work.

NPS did not solicit full and open competition for this award based the following criteria:

The cooperator is a member of an established Cooperative Ecosystem Studies Unit (CESU) network, and was awarded a Cooperative Agreement (P16AC00031) allowing UAZ to participate in specific tasks, and can provide the necessary activities involved in this particular task while providing an effective outcome for the National Park Service and the research and/or education project. Three members of the Cooperative Ecosystem Studies Unit (CESU) network were considered for this award and the UAZ was selected based on Dr. Philip Rosen's experience with acuña cactus, OPCNM and an excellent working relationship with partners in Sonora, Mexico. This is a continuation of the Master Agreement.