

## **Postdoctoral Research Associate - Decision Center for a Desert City**

### **Location**

Tempe Campus

### **Full/Part Time**

Full-Time

### **Regular/Temporary**

Regular Fiscal Appointment

### **Position Type**

These are grant funded positions. Continuation is contingent on future grant funding. Appointments are year-to-year for maximum of \_\_ years, with subsequent renewal, based upon performance, the needs of the department, and availability of funding.

### **Hiring Range**

\$45k - \$50k annually, DOE

### **Job Description**

A post-doctoral fellowship is available at Arizona State University beginning as early as May 2016, to work with the [Decision Center for a Desert City](#). Our mission is to develop a transdisciplinary network of scientists, students, and stakeholders cooperatively producing transformational solutions to inform evidence-supported strategies for water sustainability transitions for cities in the Colorado River Basin. The Decision Center for a Desert City (DCDC) is supported by the National Science Foundation under Grant No. SES-1462086, Award Abstract #1462086.

Our approach enables investigators to evaluate how urban water system decisions are affected by environmental and land use changes, conditioned by and interacting with social, institutional, and economic processes; model, simulate, visualize, and explore alternative futures in complex social-ecological-technical systems; and conduct comparative studies to develop knowledge with consideration of specific contextual factors and generalizable patterns.

Under the supervision of DCDC Director Dave White, the postdoctoral fellow will work with Integrated Project Area 2: Actors, Institutions, and Governance. To understand social and institutional opportunities and constraints for sustainability transitions, we will conduct a multi-city social, economic, and institutional analysis—including a residential survey study of risk perceptions, attitudes, and behaviors, interviews of local and regional decision makers, and an economic analysis of residential water use.

### **Essential Duties**

Conduct outstanding research; compile, analyze, and synthesize data in scientific publications.

### **Minimum Qualifications**

Applicants must have completed their Ph.D. in a relevant field by the start date of the appointment.

- Applicants must have training or experience in one or more of the following disciplines: sustainability, geography, economics, anthropology, or urban planning.
- Evidence of ability to conduct independent research, to collaborate across disciplines, and to publish research results.

### **Desired Qualifications**

Demonstrates experience in one or more of the following skills: survey research methods; statistical analysis or modeling; discovery, compilation, and analysis of existing data from public sources; social network analysis; institutional analysis.

### **Instructions to Apply**

To review and apply for this position, please visit: <http://apply.interfolio.com/33518>. Applicants must submit: 1) a cover letter explaining how prior experience and qualifications are appropriate to the job activities; 2) a Curriculum Vitae; 3) a statement of research accomplishments, interdisciplinary experience, and goals related to the program; 4) a sample of scholarly writing (i.e., a published article, dissertation chapter); and 5) the name, phone number, address, and e-mail address of three references. Only electronic applications will be accepted.

### **Application Close Date**

Initial close date is February 29, 2016. If not filled, reviews will occur every two weeks thereafter until search is closed.

### **Department and Project Information**

The Julie Ann Wrigley Global Institute of Sustainability (<https://sustainability.asu.edu/>) is the hub of Arizona State University's sustainability initiatives. The ASU Wrigley Institute advances research, education, and business practices for an urbanizing world. Its School of Sustainability (<https://sustainability.asu.edu/education/school-of-sustainability.php>), the first of its kind in the U.S., offers transdisciplinary degree programs focused on finding practical solutions to environmental, economic, and social challenges. ASU also hosts the Agent Based Modeling Consortium at ASU (<https://shesc.asu.edu/research/projects/open-agent-based-modeling-consortium>) among other institutes and centers (e.g. Decision Center for a Desert City, Center for the Study of Institutional Diversity, Central Arizona–Phoenix Long-Term Ecological Research).

### **Background Check Statement**

ASU conducts pre-employment screening for all positions, which includes a criminal background check, verification of work history, academic credentials, licenses, and certifications. Arizona State University is an Equal Opportunity/Affirmative Action employer. The Julie Ann Wrigley Global Institute of Sustainability actively encourages diversity among its applicants and workforce.