

The Urban Heat Island: Linking Science, Society, and Technology



Living in the desert has always been a challenge for organisms, including people. There is too little water and, in most cases, too much heat. As Phoenix has grown, the natural environment has been transformed from native desert vegetation into structures built by people, from buildings, to parking lots, to roadways. How has this impacted our urban temperatures, and urban biodiversity? How has this impacted the people living here? How can we mitigate these effects through engineering and become a more sustainable city? Explore these questions in a multidisciplinary workshop hosted by ASU's Global Institute of Sustainability, the School of Evolution and Social Change, and the School for Engineering of Matter, Transport and Energy.

You will:

- Investigate the Urban Heat Island phenomenon
- Explore the impact of the Urban Heat Island on people and other organisms
- Experience an engineering design based project challenge to mitigate the effects of urban development

Who should attend:

Middle school teams of mathematics, science, social studies and language teachers (minimum team: science/social studies, teams with all four subjects preferred)

What you will receive:

- \$400 per teacher as stipend for attending all four days
- Urban Heat Island instructional unit linked to AZ standards
- Certificate of completion from ASU for 32 hours
- Lunch provided

Expectations:

- Participants will be expected to implement a lesson plan in their school, report on the lesson implementation, and collect data about the implementation.
- Attendance at all four professional development days and implementation of a lesson plan in your classroom are required.

When:

- July 6-8, 2011 8:30-4:30
- Sept 24, 2011 8:30-4:30

Location:

- July: ASU, Wrigley Hall
- Sept: to be determined.

Registration deadline:

May 13, 2011

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Apply now at:

sustainability.asu.edu/events/rsvp/urban-heat-island