

Modeling the Impact of Urban Expansion on Regional Hydroclimate



Panelists:

Matei Georgescu, Assistant Professor, School of Geographical Sciences and Urban Planning

Zhihua Wang, IPA 1 Co-Lead, and Assistant Professor, School of Sustainable Engineering and the Built Environment

Nancy Selover, State Climatologist for Arizona

Summer Waters, Director of Western Lands and Communities, Sonoran Institute

Moderator:

Dave White, Director, Decision Center for a Desert City

Thursday
November 5, 2015
12:00 - 1:30 p.m.

EVENT LOCATION

Decision Center for a Desert City,
Brickyard Orchid House, 21 E. 6th
Street, Suite 126B, Tempe, AZ

DCDC Map:

<https://goo.gl/maps/JjkMgg9sMi62>

Use-Inspired Sustainability Science

The Decision Center for a Desert City (DCDC) at ASU is entering its third phase of use-inspired sustainability science on decision making under climatic, biophysical, and societal uncertainties. DCDC III research will be carried out in four Integrated Project Areas (IPA).

IPA 1 seeks to understand the impacts of regional climate and land-use changes on urban water systems in the context of sustainability transitions in the Colorado River Basin (CRB) and major cities depending on its water supply, namely Phoenix, Las Vegas and Denver.

The discussion will focus on urban expansion and modeling its impact on regional hydroclimate using advanced modeling tools such as the Weather Research and Forecasting Model.

The panel will also discuss the development of urban land use change scenarios and the societal impact of urban growth on regional hydroclimatic conditions.

Join the conversation!

RSVP: dcdc.asu.edu/events

Decision Center for a Desert City is a unit of the Julie Ann Wrigley Global Institute of Sustainability.