

Delta Science Program Brown Bag Series Presents

Flood Resilience in Cities: Implications for Modelers and Decision-Makers

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Wednesday, June 13, 2012, 12 noon – 1 p.m.

**Location: Park Tower Building, 980 Ninth Street
2nd Floor Conference Center, Sacramento CA 95814**



Development of effective responses to potential increases in flooding resulting from climate change is needed in order to reduce potential impacts on urban areas and the economy. Flood resilience (resilience approach) is a concept that seeks to minimize adverse effects by accounting for varying levels of vulnerability among people, businesses and state authorities while providing multiple benefits, some of which are not flood related. The resilience approach devises strategies to cope with change and uncertainty, offers tools to quantify impacts and assess restorative and adaptive resilience of the system, and guides transition to adaptive management for urban flooding systems.

This talk will discuss the resilience approach, outline recent work on modeling in urban areas, and methods for assessing vulnerability. It will then present a number of projects that have recently used the resilience approach.