

From Dust Bowl to Mud Bowl: Conservation Measures and the Future of Reservoirs; A National Interdisciplinary Conference

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Abstract:

From Dust Bowl to Mud Bowl: Conservation Measures and the Future of Reservoirs is a national interdisciplinary conference, being held September 14-16, 2009 at Westin Crown Center – Kansas City, Missouri. The conference is planned and implemented by Soil and Water Conservation Society, K-State Research and Extension/ Kansas State University, Texas Water Resources Institute, Arkansas Water Resources Institute, USDA-ARS and Oklahoma Cooperative Extension. Financial support is provided by USDA CREES Water and Watersheds Program and K-State Research and Extension.

Conference objectives include – 1) expand opportunities for multi-state interdisciplinary collaboration among scientists and engineers regarding conservation practices and the sustainability of reservoirs; 2) Enhance science and research related to sedimentation by examining current knowledge, scientific research, and technological issues related to sediment loading; 3) Identify gaps in information, explore problems and solutions, and formulate recommendations regarding strategies to address sedimentation in reservoirs; and 4) create an ongoing network of scientists for sharing information and strategies.

The program includes presentation of invited scientific papers, breakout session and poster presentations over two days. Accepted posters will be prominently displayed throughout the conference and several opportunities will be available for viewing and interaction, including a reception on Monday evening.

The Soil and Water Conservation Society has distributed a call for papers. The deadline for oral presentations is January 30, 2009. The deadline for abstracts for poster presentations is March 13, 2009. Registration fees have been set, with an early registration deadline of July 31. A program schedule is available on the SWCS web site - <http://www.swcs.org/en/conferences/sedimentation/>

Fifty eight invited presentations addressing baseline conditions, sources of sediment and nutrients, consequences of reservoir sedimentation including loss of storage, degraded water quality; cost of soil erosion and benefits of conservation, regional challenges, best management practices, reservoir management, riparian area processes and management, climate change, modeling and institutional measures for sediment control. Presently presenters have been identified for about one third of the invited presentations.