Transcending the Hydro-Ilogical Cycle

Building a Texas Hydrologic Information System

TX-HIS
Q: How can we solve water management problems at the state level?

A: We can leverage existing knowledge and partnerships with new models of information and new partners through a formalized network.
Water Information Needs

• In order to plan for future infrastructure, stakeholders from various application sectors (e.g., agriculture, energy, and the water resources community) need information about the likely climate trajectory for the next 5-30 years. (from NSF)

• In order to plan for the current drought, we need information about the climate trajectory for the next 3 months to 5 years.
Issues Raised this Morning

• What will future meteorological conditions look like?
• We need web-accessible data and tools
• We need to couple streamflow models to GCMs
• We need to break the hydro-illogical cycle and plan for the delivery of hydrologic information beyond the current drought
Proposed Path Forward: TX-HIS

Science/Data

Agencies

Suppliers

Users
Inviting a Dialogue

• We would like to hear from attendees on how we can move the dialogue forward

• Proposal to set up a steering committee – TCEQ volunteered to be first member

• Contact me: wgordon@esi.utexas.edu