

WDC12: Next Generation Water Resource Management

Organized by AGT International GmbH

Meeting room # D8 Ku-larb, 16 May 2013 at 13:30-16:30 hrs

The AGT International technical workshop showcased innovative approaches to next-generation water resource management systems.

Attendees have gained insight into the following:

- Innovative approach to verifying, analyzing and visualizing smart sensor data to improve quality and presentation using sensor data from dike failure experiments and sensors installed in real-world dikes.
- Water quality data analysis and assimilation, including a use case showing how data proxies may be used and multiple applications may be derived from existing sensor investment.
- Characteristics and benefits of a comprehensive modeling and simulation framework, including rainfall-runoff and river 1D/2D and flood modeling.
- Ways to process and present data analysis and modeling and simulation results to best support planning, operational and crisis management and recovery decisions for water-related events.

The workshop was geared towards water professionals involved in hydrological/engineering research and system innovation, as well as those involved in the broader water ecosystem who may be involved in the preparation and response to flood and drought situations.