



The Second Conference on WATER RESOURCE SUSTAINABILITY ISSUES ON TROPICAL ISLANDS

December 1 – 3, 2015

Hilton Hawaiian Village • Honolulu, Hawaii

PRESENTED BY: Water Resources Research Center (WRRC), Hawaii and American Samoa • Water and Environmental Research Institute (WERI), Guam • Puerto Rico Water Resources and Environmental Research Institute (PRWRERI), Puerto Rico • The Virgin Islands Water Resources Research Institute (VI-WRRI), U.S. Virgin Islands • USGS Pacific Islands Water Science Center (PIWSC), Honolulu, Hawaii • National Institutes for Water Resources (NIWR) • United States Geological Survey (USGS)

Regional/Technical Advisory Committee: Conference Chair: Aly El-Kadi (Associate Director, WRRC) • Co-Chairs: Darren T. Lerner (Interim Director, WRRC); Roger Fujioka (Emeritus Researcher, WRRC); Stephen Anthony (Director, USGS PIWSC); Earl Greene (Chief, USGS); Shahram Khosrowpanah (Director, WERI); Utu Abe Malae (Executive Director, American Samoa Power Authority); Jorge Rivera-Santos (Director, WRERI); Henry Smith (Former Director, VI-WRRI)

The 2015 conference will build on discussions and interactions from a previous conference hosted by the Island Institutes (WRRC, WERI, PRWRERI, and VI-WRRI) in Honolulu, Hawaii, from November 14–16, 2011. The intention of these discussions is to strengthen the synergism between researchers from various island states and to develop solutions and ideas on water resources issues that are particularly relevant to tropical islands. The conference will last for three days with poster and oral special sessions. The meeting will close with a panel discussion attended by directors from hosting organizations to discuss core research capabilities and gaps, focus areas, and opportunities and plans for collaborative work in tropical islands. Selected authors of significant contributions will be invited to submit manuscripts that will be published in a proceeding volume.

Abstract Submission Deadline: September 11, 2015

Conference technical sessions:

1. Methods and tools for determining water sustainability
 2. Metrics and indicators of water sustainability
 3. Historical, present, and anticipated patterns in climate (including climate change and variability) and their impacts on water resources
 4. Conjunctive management of rainwater catchment, surface water, and groundwater resources
 5. Protection strategies for island watersheds and aquifers
 6. Development and improvement of island municipal water distribution systems
 7. Managing demands and supplies, including water conservation and reuse
 8. Exploration of new water resources (e.g., high-elevated groundwater sources in American Samoa and deep aquifers in Hawaii)
 9. Water quality issues of current and emerging concerns and adaptive management practices and other novel approaches for protecting and preserving island surface and groundwater resources
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Check conference web page for information about accommodation, registration, and abstract submission
<http://www.wrcc.hawaii.edu/2015conference/index.shtml>