

USF NEXUS INITIATIVE 2019 AWARD RECIPIENT

E. Christian Wells

Improving Water and Sanitation Infrastructure in Marginalized Communities

This collaboration seeks to integrate research in applied anthropology and environmental engineering at the University of South Florida and San Diego State University to improve water and sanitation infrastructure in marginalized communities in the United States. The integration of socio-behavioral characterization and environmental assessment will serve as the basis for technology innovation, evaluation, optimization and modeling, and behavior intervention and monitoring. By engaging in community participatory methods, such as citizen science and design anthropology, research and community outreach conducted under this project will result in novel approaches for assessing risk and understanding design context for water and sanitation infrastructure in marginalized communities.

Partnership:

Matthew E. Verbyla, Ph.D.

San Diego State University (San Diego, California)



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