



UAA Professional Development Seminar  
Series

## Household Water Resources in Rural Alaska: Water Quality, Availability and New Approaches

Presented by Kaitlin Mattos

An estimated 3,000 homes in rural Alaska still don't have access to running water and safely managed sanitation services. This lack of in-home water and sanitation has led to increased exposure to illness and health impacts, but there are initiatives across the state and within homes and communities which are trying to overcome those impacts. This presentation will examine new data that explains the water quality and availability in rural homes which are unserved with respect to water and sanitation. Current adaptations and behaviors adopted by unserved communities to accommodate their water needs, as well as new technologies being developed to improve the technical, economic and social components of water, sanitation and hygiene in rural Alaska will also be discussed.

Kaitlin Mattos is a PhD candidate in Environmental Engineering at the University of Colorado at Boulder. She received her undergraduate degree in Environmental Studies in 2009 from Washington University before working in the Mariana Islands for six years, doing ecology research, watershed and natural resources management, and community planning. Kaitlin received her Master's degree in Environmental Engineering from the University of Colorado Boulder in 2017. For her PhD research, she is engineering and researching household water and

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11:45 am-12:45 pm

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