

UConn

UNIVERSITY OF CONNECTICUT

**Department of Marine Sciences
Presents a Seminar by**

**Rachel Scudder
Williams College**

The application of geochemical and statistical approaches in marine sediment for quantifying dispersed volcanic ash

Volcanic ash has long been recognized in marine sediment, and given the prevalence of oceanic and continental arc volcanism around the globe in regard to widespread transport of ash, its presence is nearly ubiquitous. However, the presence/absence of very fine grained ash material, and identification of its composition in particular, is challenging given its broad classification as an “aluminosilicate” component in sediment. Given this challenge, many studies of ash have focused on discrete layers found in sequences at a variety of locations and timescales and how to link their presence with a number of Earth processes. The ash that has been mixed into the bulk sediment, known as dispersed ash, has been relatively unstudied, yet represents a large fraction of the total ash in a given sequence. The application of a combined geochemical and statistical technique has allowed identification of this dispersed ash as part of the original ash contribution to the sediment which can be an important component of sedimentary sequences throughout large regions of the ocean.

Host: Frank Bohlen

Time & Date: 11:00 am, Friday, February 16, 2018

Place: Marine Sciences Building, Seminar Room 103

For cancelations and additional seminar information, please see <https://marinesciences.uconn.edu/seminar/seminar1183/>, email marinesciencesseminars@uconn.edu, or call 860-405-9152 or 860-405-9151