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

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Rutgers University**

Uncertainties and risks of regional sea-level change: Past, present and future

While climate change affects the global mean state of the planet, nobody lives at the global mean. Climate risks are felt at a local level, and sea-level change provides a clear example of the importance of this distinction. While global mean sea-level change is essentially a function of how much heat is stored in the ocean and how much land ice has melted into the ocean, regional sea level is affected by numerous other factors, ranging from changes in ocean dynamics to changes in Earth's gravitational field associated with ice mass redistribution and land subsidence. The global/local difference must inform inferences of past ice-sheet changes from geological sea-level records, understanding of ongoing sea-level change, and the development of sea-level projections to inform coastal adaptation. This talk will explore all three aspects, including the insights and cautions the paleo-record can provide for our future.

Host: Julie Granger

Time & Date: 11:00 am, Friday, January 30, 2015

Place: Marine Sciences Building, Seminar Room 103

Please see this [page](#) for cancelations and additional seminar information, email marinesciences@uconn.edu, or call 860-405-9152 or 860-405-9151