



Predicting Impacts of Climate Change in Coastal Marine Systems

Wednesday, July 21st

12:00 - 1:00pm

In light of the community concerns regarding COVID-19, this talk will be given as a webinar. The link will be provided on July 20th to those that have registered by 5:00 pm on Monday, July 19th at uccs.ucdavis.edu.

As the global climate continues to change at unprecedented rates, marine coastal systems and species will be profoundly impacted. With more than 1,000 miles of coastline, California relies on these ecosystems for tourism, fisheries, recreation, and more. But how will our coasts fare under future climates? Can we predict impacts of climate change on marine coastal systems and use this information to better inform ocean policies? UC Irvine Associate Professor and marine ecologist Cascade Sorte, along with UC Center Sacramento Gold Fellow Heidi Waite will describe new discoveries on the effects of climate stressors in coastal systems and potential adaptation strategies.



Dr. Cascade Sorte earned a Master's degree at the University of California, Santa Barbara and Ph.D. at the University of California, Davis, after which she did postdoctoral research at the University of Massachusetts, Boston. In 2014, she joined the faculty at the University of California, Irvine (in the Department of Ecology and Evolutionary Biology), and she was elected an Early Career Fellow of the Ecological Society of America in 2017. As an integrative marine ecologist, Prof. Sorte's research spans ecological scales from physiology to biogeography to investigate the impacts of global change, particularly the interaction between climate change and species invasions.



Heidi Waite is the summer UC Center Sacramento Gold Fellow and a PhD student at UC Irvine. In the past, she has worked on oyster reef restoration and studied microplastic ingestion in Florida estuarine oysters and crabs. Heidi completed her Master's degree at the University of Oxford in conservation and management. At UC Irvine, she studies how climate change impacts coastal marine species and the mechanisms by which they may cope.