

## Marine Heat Waves in a Changing Ocean

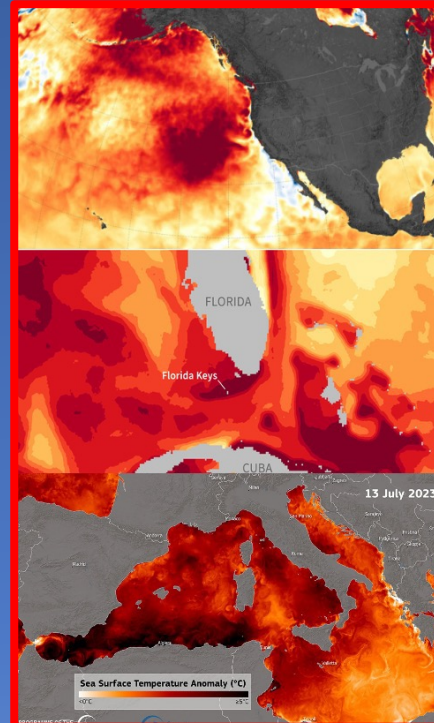
During recent years, Marine Heat Waves (MHWs) have strongly impacted marine ecosystems around the world. These impacts range from the bleaching of coral reefs to the emergence of marine infectious disease outbreaks to the collapse of kelp beds, fish stocks, and seabird populations.

The MHWs Training Workshop at Friday Harbor Laboratories will take student participants on a global tour of major MHW events guided by recognized experts in the field. Lectures and group discussions during the first week of the workshop will:

- investigate the local and remote drivers of surface as well as subsurface MHWs,
- quantify the links between MHWs and other physical and/or biogeochemical extremes,
- explore the impacts of MHWs on ecosystem function and species interactions.

Student participants will learn how to use the standard methods for detecting and quantifying MHWs as well as the new methods being developed for attributing the role of anthropogenic climate change in generating and/or amplifying MHWs.

This will be a hands-on, project-oriented training workshop, with student participants working as a group to analyze data sets supplied by workshop instructors. They also will have an opportunity to work individually under the guidance of instructors in analyzing their own data sets.



## MARINE HEAT WAVES

A training workshop for  
Graduate Students and Postdocs  
from around the world

**W** UNIVERSITY of WASHINGTON

**FRIDAY HARBOR  
LABORATORIES**

**AUGUST 18 - 31, 2024**

**Fully Paid Scholarships for participants  
provided by The CO<sub>2</sub> Foundation**



**W** COLLEGE OF THE ENVIRONMENT  
UNIVERSITY of WASHINGTON

### Applying for the Training Workshop

Student participants will be supported with full scholarships covering all fees, housing, and meals. We expect that acceptance into the workshop will be highly competitive. Therefore, it is anticipated that most student participants will be graduate students, postdocs, or early-career professionals. However, we will consider applications from exceptionally qualified undergraduates.

Applications should be submitted via email to (chg99@uw.edu) prior to April 15, 2024 for full consideration. However, note that this is not a strict deadline. Please put MHW (dot) your last name in the subject line of your email message (e.g., MHW.Smith). Applications should include a CV or resume, a copy of your most recent transcripts, a personal statement of up to 500 words on how this workshop will advance your career development, and a letter of recommendation from your advisor or supervisor. Please attach PDFs of these requested documents in your email application.