

Ocean Insights

Indian Ocean Seminar Series feat. ECRs

Overview of Marine heatwaves in the South West Indian Ocean

by

Daneeja Mawren

Clea Welch



1 March 2023

10:30-11:30 CEST | 14:00-15:00 IST



2nd International
Indian Ocean
Expedition

The IIOE-2 Early Career Scientist Network is thrilled to invite you all to another talk of the "**Ocean Insights – Indian Ocean Seminar Series feat. ECRs**", designed especially for early career scientists focusing on the Indian Ocean to share their research. This seminar series offers a unique opportunity for ECRs to showcase their work, build connections, and explore collaborations within the marine sciences community.

Please mark your calendar and join us for our next talk:

Speaker: Daneeja Mawren & Clea Welch

Title: Overview of Marine heatwaves in the South West Indian Ocean

When: Friday, 01 March 2024 at 10:30-11.30 CEST (14:00-15:00 IST; 16:30-17:30 AWST)

Registration: [Register for Zoom link](#)

Abstract:

Marine heatwaves (MHWs) are events characterized by prolonged and extremely warm ocean conditions and have been detected in recent decades over many regions of the global ocean, including the Mozambique Channel located offshore of southeastern Africa. The Mozambique Channel is known as one of the source regions of the greater Agulhas current system. Small variations in ocean temperature in the Channel can have a strong influence on the weather and climate of the African subcontinent and can also harm marine ecosystems and communities connected. This study provides an improved understanding of the important role of horizontal advection, associated with anticyclonic eddies on the evolution of MHWs, as well as the co-occurring extremes in the Mozambique Channel. Furthermore, it includes investigations into the subsurface signals of marine heat waves in the region.

If you are enthusiastic about sharing your contributions, please reach out to us: ecsn.iioe@gmail.com