

AtlantOS Ocean Hour

Impacts of Marine Heat Waves and Cold Spells in the Atlantic Ocean

MEETING INFORMATION

July 20, 2022
10:00-11:00 EDT

Zoom link: https://us06web.zoom.us/webinar/register/WN_CfOpfz3bQoO-waD_KyPlqg

DESCRIPTION

Marine heatwaves (MHW) are extreme climatic events in oceanic systems that can have devastating impacts on ecosystems, causing abrupt ecological changes and socioeconomic consequences. Marine heat waves are happening more frequently, with predictions of many parts of the ocean reaching a near-permanent MHW state by the late 21st century. Some of the topics for discussion here include 1) Marine heat waves and current updates on ocean conditions around North and South Atlantic and 2) The future of marine heat waves, including efforts to understand and predict future impacts.

OVERALL AIM

The Ocean Hour will provide an opportunity for the community to learn and engage in discussion about the current state, the challenges and the future of marine heat waves. We will share progress in specific topics, and address some of the current challenges expected in the coming years.

PROGRAM

Time (UTC)	Topic	Speaker
10:00 – 10:05	Welcome	Renellys Perez
10:05 – 10:15	Marine heatwaves in the context of compound extremes	Regina Rodrigues
10:15 – 10:25	Increasing severity of marine cold spells and heat waves along the Southeast US coast inner shelf	Filippos Tagklis
10:25 – 10:35	Heating up the base of the food web: a peek into phytoplankton responses to a warming world	Tatiana Rynearson
10:35 – 11:00	Panel discussion with all speakers	
11:00 – 11:30	Networking (wonder.me) - optional	
Moderator: Mariana Rocha de Souza		

SPEAKER INFORMATION



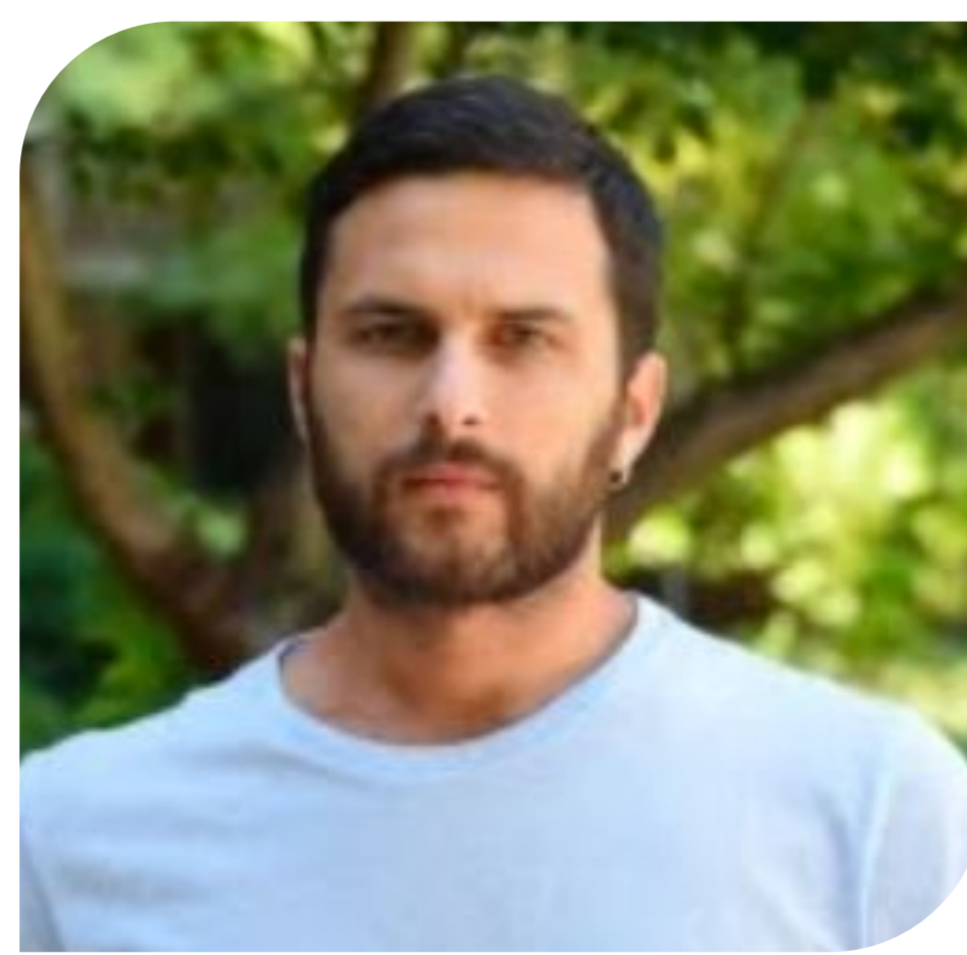
Dr. Tatiana Rynearson

Professor of Oceanography
The University of Rhode
Island



Dr. Regina R Rodrigues

Professor of Physical
Oceanography Federal
University of Santa Catarina



Dr. Filippos Tagklis

Postdoctoral Associate
University of Miami/CIMAS
NOAA/AOML



Dr. Renellys Perez

Physical
Oceanographer,
NOAA/AOML



Dr. Mariana Rocha de Souza

NOAA/GOMO
Knauss Fellow

Steering Committee:

Jessica Snowden (USA)
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