



CAMS-EARTH SCIENCES THEMATIC PROGRAM ON CLIMATE CHANGE  
AND THE EASTERN MEDITERRANEAN

## WORKSHOP ON OCEAN MODELING FOR THE EASTERN MEDITERRANEAN

MAY 22–23, 2024 | POST HALL, BLUE ROOM 203 | ZOOM



### Wednesday, May 22:

- 10:30 am – 11:00 am    Opening
- 11:00 am – 11:50 am    Plenary talk: Dr. Ibrahim Hoteit (Earth Science and Engineering, King Abdullah University of Science and Technology, Saudi Arabia)  
*Climate Change: Navigating Projections, Overcoming Uncertainties, and Implementing Regional Solutions*
- 11:50 am – 12:10 pm    Break
- 12:10 pm – 1:00 pm    Dr. Roy El Hourany (Laboratoire d'Océanologie et de Géosciences, Université du Littoral Côte d'Opale, France)  
*Exploring Phytoplankton Dynamics: Remote Sensing, Machine Learning, and Transdisciplinary Insights.*
- 1:00 pm – 2:30 pm    Lunch Break
- 2:30 pm – 3:20 pm    Dr. Heinrich Dohna (Department of Biology, American University of Beirut, Lebanon)  
*Mediterranean Spread of Lessepsians: The Spread of Fish Species from the Red Sea in the Mediterranean Sea is Influenced by Sea Currents, Human Population Density, Temperature, and Shipping.*
- 3:20 pm – 3:40 pm    Break
- 3:40 pm – 4:30 pm    Dr. Sharif Jemaa & Dr. Myriam Lteif (National Centre for Marine Sciences, Lebanon)  
*Mediterranean fisheries: A Focus on Lebanese Artisanal Fisheries and the Related Scientific Activities*

**Thursday, May 23:**

- 10:00 am – 10:50 am Dr. Ibrahim Hoteit (Earth Science and Engineering, King Abdullah University of Science and Technology, Saudi Arabia)  
*Ocean Forecasting and Its Applications: Optimizing Operations, Enhancing Safety, and Preserving the Environment*
- 10:50 am – 11:20 am Break
- 11:20 am – 1:00 pm Roundtable discussion
- 1:00 pm – 2:30 pm Lunch Break
- 2:30 pm – 4:00 pm Hands-on session by Dr. Roy El Hourany (Laboratoire d’Océanologie et de Géosciences, Université du Littoral Côte d’Opale, France)  
*A Step-by-Step approach for Obtaining, Visualizing and Clustering Satellite Ocean Data*