



IOC Regional
Committee for
the Central
Indian Ocean
(IOCINDIO)



The Third Phase of Workshop Series on The Effects of Climate Change on the Indian Ocean Marine Environment

20-22 February 2023

Tehran, Islamic Republic of Iran

09:00-16:30 (Iran Standard Time – GMT +3:30)

AGENDA

Day 1- Monday- 20 February 2023

09:00- 10:00

Opening Ceremony:

- Opening remarks by:

-The Workshop Secretary

-The IORA Secretariat Representative / WGBE Representative (TBC)

	-The President of IROST -The Director of INIOAS
10:00- 10:30	<i>Coffee Break</i>
Panel 1- Deoxygenation and Biogeochemical cycling	
10:30- 11:10	Deoxygenation in the Northwestern Indian Ocean By: Dr. Wajih Naqvi, Department of Earth Sciences, Indian Institute of Technology, Kanpur, India
11:10- 11:50	Nutrient biochemistry in marginal seas of northwestern Indian Ocean under climate change By: Dr. Hamid Ershadifar, INIOAS, Iran
11:50- 12:00	Q & A
Panel 2- Paleoclimatic Studies	
12:00- 12:40	Early Holocene Flooding of the Persian Gulf and Intensification of the Indian Ocean Monsoon By: Dr. Abdolmajid Naderi, INIOAS, Iran
12:40- 14:00	<i>Lunch</i>
14:00- 14:40	Impact of Holocene Indian summer monsoon oscillations on South East Iranian Plateau By: Dr. Mohammad Ali Hamzeh, INIOAS, Iran
14:40 – 14:50	Q & A
Panel 3 - Atmospheric characteristic of the Indian Ocean	
14:50- 15:30	The long-term variability of meteorological parameters over the Indian Ocean By: Dr. Parvin Ghaffarian, INIOAS, Iran
15:30- 16:10	Relationship between climatic indices and TC characteristics over the Indian Ocean By: Dr. Nafiseh Pegahfar, INIOAS, Iran
16:10- 16:20	Q & A

Day 2- Tuesday- 21 February 2023

(Continued) Panel 3- Atmospheric characteristic of the Indian Ocean

9:00- 9:30

El Nino flavors and their linkage to the Indian Ocean Dipole

By: Dr. Omid Alizadeh Choobari, University of Tehran, Institute of Geophysics, Iran

09:30 – 09:35

Q & A

Panel 4- Primary Productivity and Fisheries & Climate Change and Marine Migratory Species

09:35- 10:05

Marine Primary Production in the North Indian Ocean: Implication of Climate Change

By: Dr. Sanjiba Kumar Baliarsingh, Scientist , Applied Research and Research to Operations (ARO) Division, Ocean Modeling, Applied Research & Services (OMARS) Group, Indian National Centre for Ocean Information Services (INCOIS), India

10:05– 10:30

Coffee Break

10:30- 11:00

The effects of climate change on the alien and invasive marine species migration behavior, in the NW Indian Ocean Seas

By: Dr. Fereidoun Owfi, Academic member, Director of Marine Ecology Division, Iranian Fisheries Science and Research Institute, Iran

11:00 – 11:30

Critical implications of climate change for marine migratory species i.e. sea turtles and tuna species

Proposed by Sri Lanka

	<p>Prof. Wasantha Rathnayake, PhD Vice Chancellor A Working Group Member of IORA Ocean University of Sri Lanka</p>
11:30 – 11:40	Q & A
Panel 5- Sensitive marine ecosystems of the Indian Ocean	
11:40 – 12:10	<p>The fate of coral reefs of the marginal sea "the Persian Gulf" under the changing climate By: Dr. Mohammad Reza Shokri, Shahid Beheshti University, Iran</p>
12:10 – 12:20	Q & A
12:20 – 14:00	Lunch
Panel 6- Physical Oceanography and climate change	
14:00 – 14:30	<p>Impact of climate change on the marine heatwaves of the Indian Ocean By: Dr. Abhisek Chatterjee, Scientist 'E', Indian National Centre for Ocean Information Services (INCOIS), Ministry of Earth Sciences, Government of India, India</p>
14:30 – 15:00	<p>Climate change in the Indian Ocean and the need for improved observations and predictions By: Dr. Roxy Mathew Koll, Scientist, Centre for Climate Change Research, Indian Institute of Tropical Meteorology, Ministry of Earth Sciences, India</p>
15:00 – 15:10	Q & A
Panel 7- Marine and Coastal Adaption and Mitigation Measures for Climate Change	
15:10 – 15:40	Topic 1: To be proposed by South Africa / WGBE

15:40 – 16:10	Topic 2: To be proposed by South Africa / WGBE
16:10 – 16:20	Q & A

Day 3- Wednesday- 22 February 2023

09:00-11:00	<p><u>Review and finalizing the Workshop Declaration by all the participants</u></p> <p>Note: The draft declaration will be handed out among all the participants before or in the beginning of the Workshop.</p>
11:00- 12:00	<p><u>Closing Ceremony:</u></p> <p>Closing remarks by:</p> <ul style="list-style-type: none"> -The Workshop Scientific Secretary -The IORA Secretariat Representative / WGBE Representative (TBC) -The Director of IORA RCSTT
12:00- 13:00	Lunch
13:00- 20:00	Sightseeing in Tehran

