

## PROGRAM

OS1.10/BG4.19/CL4.27

**Understanding the Indian Ocean's past, present, and future**

**Chat Thu, 07 May, 08:30–10:15**

Please note that some session participants have uploaded displays, but cannot join the chat. Their displays are nonetheless listed at the end of this program, and you can leave comments through the session link if you're interested.

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08:30 – 08 :35           SESSION INTRODUCTION

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08:35 – 10 :15           TALKS (12 mins for Keynote: Singh et al., 7 mins for others)

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1. D2667 | EGU2020-1264 (12 mins)

Low Dinitrogen Fixation Rates in the Bay of Bengal during Summer Monsoon

**Arvind Singh**, Himanshu Saxena, Deepika Sahoo, Mohammad Atif Khan, Sanjeev Kumar, and Athiyarath K Sudheer

2. D2668 | EGU2020-8642 (7 mins)

Last 12 ky record of various organic geochemical proxies in the Eastern Arabian Sea

**Ayusmati Manaskanya**, Aninda Mazumdar, Aditya Peketi, Svetlana Fernandes, and Rheane D. A. Silva

3. D2669 | EGU2020-13738 (7 mins)

Projected response of Arabian sea Oxygen minimum zone to climate change: Insights from a set of downscaled experiments

**Parvathi Vallivattathillam**, Zouhair Lachkar, Marina Levy, and Shafer Smith

4. D2673 | EGU2020-2486 (7 mins)

IndOOS-2: A Roadmap to Better Observations of the Rapidly Warming Indian Ocean

Michael J. McPhaden, Lisa M. Beal, **Jerome Vialard**, Matthew K. Roxy, and Authors of the CLIVAR-GOOS IndOOS-2 Report

5. D2676 | EGU2020-7886 (7 mins)

The influence of water temperature-phytoplankton feedback in a Regional Earth System Model upon the hydrography and biogeochemistry of the northern Indian Ocean

**Stanislav D. Martyanov**, Dmitry V. Sein, Vladimir A. Ryabchenko, Anton Y. Dvornikov, and Pankaj Kumar

6. D2677 | EGU2020-19919 (7 mins)

Importance of wind variations and intersecting waveguides near Sri Lanka for the intraseasonal sea level variability along the west coast of India

**Iyyappan Suresh**, Jerome Vialard, Matthieu Lengaigne, Takeshi Izumo, and Muraleedharan Pillathu Moolayil

7. D2678 | EGU2020-6513 (7 mins)

The characteristics of the mid-depth striations in the North Indian Ocean  
**Yan Du**, Yifan Xia, Bo Qiu, Xuhua Cheng, Tianyu Wang, and Qiang Xie

8. D2682 | EGU2020-2381 (7 mins)

Interannual monsoon wind variability over the South tropical Indian ocean drives East African small pelagic fisheries

**Fatma Jebri**, Zoe Jacobs, Dionysios Raitzos, Meric Srokosz, Stuart Painter, Stephen Kelly, Mike Roberts, Lucy Scott, Sarah Taylor, Matthew Palmer, Hellen Kizenga, Yohana Shaghude, Juliane Wihsgott, and Ekaterina Popova

9. D2685 | EGU2020-12390 (7 mins)

Seasonality of Submesoscale processes in the Bay of Bengal

**Lanman Li** and Xuhua Cheng

10. D2686 | EGU2020-3793 (7 mins)

Capturing the 2018 Monsoon Onset in the Bay of Bengal from in-situ ship and mooring network observations

**Amit Tandon**, Emily Shroyer, Ramasamy Venkatesan, Andrew Lucas, J. Thomas Farrar, and Michael McPhaden

11. D2687 | EGU2020-19411 (7 mins)

Remote influences on the Indian monsoon Low-Level Jet intraseasonal variations

**Takeshi Izumo**, Maratt Satheesan Swathi, Matthieu Lengaigne, Jérôme Vialard, and Dr Ramesh Kumar

12. D2692 | EGU2020-19117 (7 mins)

No N<sub>2</sub> fixation in the Bay of Bengal?

**Carolin Löscher**, Wiebke Mohr, Hermann Bange, and Donald Canfield

13. D2696 | EGU2020-3889 (7 mins)

New Micropalaeontological Evidence for an Early Pleistocene Existence of the Agulhas Leakage

**Thore Friesenhagen** and Michael Knappertsbusch

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DISPLAYS THAT CANNOT BE PRESENTED DURING THE CHAT  
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Visit them and post comments at:

<https://meetingorganizer.copernicus.org/EGU2020/displays/36146>

D2671 | EGU2020-11992

Interannual to decadal variability in subtropical circulation transport in the south Indian Ocean

**Motoki Nagura**

D2675 | EGU2020-513

A regional study of Bay of Bengal processes using radiation boundary condition in Modular Ocean Model not presented

**Siddhesh Tirodkar**, Manasa Ranjan Behera, and Sridhar Balasubramanian