



## **TRACE GASES OVER THE ARABIAN SEA, THE BAY OF BENGAL AND THE INDIAN OCEAN**

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The understanding of chemical, physical, and dynamical processes over oceanic regions in tropical Asia is more complex due to its proximity to the land masses having diverse emissions sources at one place together with their increasing levels, higher water vapour and intense solar radiation. Despite this, oceanic regions in tropical Asia are still not well studied. The monsoon system, over this region, is one of the largest regional climate phenomena and has major influence on the redistribution of trace species, even at the greater distances and altitudes. This talk will brief upon the past studies of trace gases in the Arabian Sea, the Bay of Bengal and the Indian Ocean with a stock on present status. Differences in trace gas variabilities among these three oceanic regions will be discussed and gap areas will be pointed.