

Regional Workshop

Marine Organisms Response to Climate Change Effects – Adaptation or Extinction?

Organisers: WIOMSA/Lund University

Venue: Mombasa

Date: 8-10 October 2018

The workshop will consist of keynotes, presentations and discussions regarding on-going research and further research needs.

Purpose and objectives:

There is widespread consensus among climate scientists today that global climate change is real and has anthropogenic roots. Marine species for example, are exposed to a large array of stressors, such as warming and ocean acidification, that are linked directly to anthropogenic climate change. The general view on whether natural populations can adapt to anthropogenic change is that many species will fail acclimatize to rapid climate change effects. An understanding of how species respond to changes associated with climate change is unfortunately not fully understood. This workshop is aimed to further our knowledge and specifically to:

- Synthesize current knowledge about how marine species in the Western Indian Ocean (WIO Region) respond to rapid climate change;
- Identify new research directions to further understand species ability or limitations to adjust to anthropogenic stress, this in order to improve future management strategies;
- Stimulate discussions and facilitate prospective collaboration between researchers and research groups in the WIOMSA region and to develop comparative research in tropical and temperate climates.

Participants

Researchers, research groups, and experts representing government agencies and non-governmental organisations in the WIO Region with an interest in the effects of ocean climate change on marine and coastal species. Participants are expected to present relevant ongoing research and/or novel project ideas within the context of the workshop theme. Applicants should provide a summary of their projects/project ideas with the attached application form (sent: WIOMSA (secretary@wiomsa.org) with copy to Johan Hollander (johan.hollander@biol.lu.se)). The dead line for applications is **August 15, 2018**.

Expected output

The presentations at the workshop will be compiled into a WIOMSA/Lund University Report and if possible an article (joint conference participant authorship) for the WIOMSA Journal or other relevant peer reviewed journal. In addition, it is the intention that the workshop will result in one or several new collaborative research projects on the important topic of the workshop.