

# FISHERIES RESEARCH IN TANZANIA

- Tanzania Fisheries Research Institute (TAFIRI)
- The institute is mandated to carry out fisheries researches
- Main focus being on promoting, conducting and managing fisheries aquaculture research and consultancy for sustainable development of fisheries and fish farming in Tanzania.
- Marine Fisheries in Tanzania
  - Characterized by Small-scale artisanal fishery
  - operating in shallow waters within the continental shelf
  - using traditional fishing vessels
  - Targeting reef fishes for food
  - Destructive fishing methods such as dynamite pose a serious problem



# CURRENT RESEARCH PROJECT

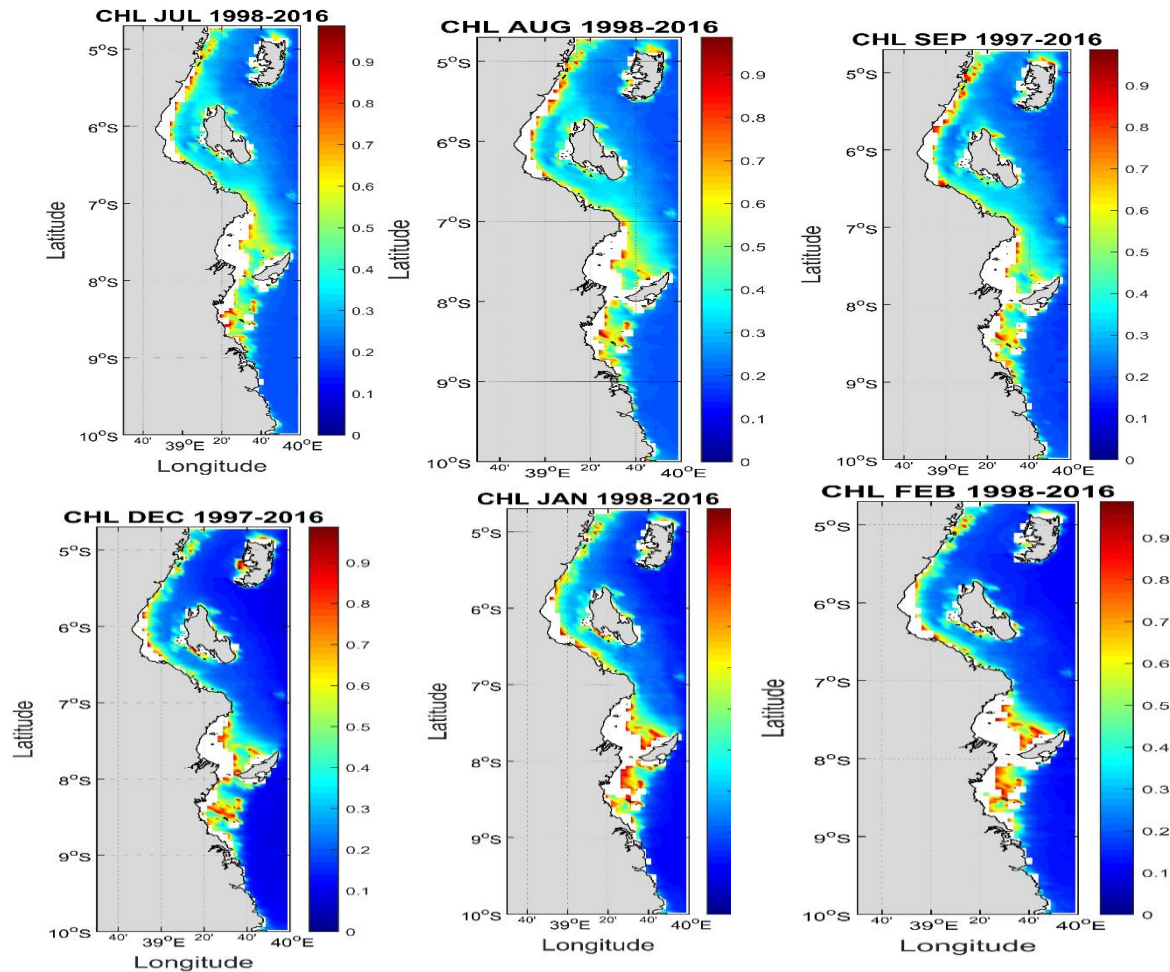
## ➤ *Remotely sensing the seasonal variability of chlorophyll-a in Tanzanian coastal waters.*

- The study is using a coastal stretch extending from  $-4.5^{\circ}\text{S}$  to  $-10.4^{\circ}\text{S}$  and encompassing the Tanzania coastal waters located west of  $41.0^{\circ}\text{E}$
- The data used for this study consisted of nearly 20 years of Chl-a datasets, acquired from the European Space Agency's Ocean Colour Climate Change Initiative (ESA OC-CCI).
- Level 3, monthly, mapped Chl-a data were acquired at a spatial resolution of 1km.



# Results

- The results shows high levels of Chl-a during the southeast monsoon in July to September and low level of Chl-a in the northeast monsoon, December to February.
- The information could support the efforts of ecosystem management, and inform fisheries managers and other stakeholders to impose fisheries management measures



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