



SOLSTICE



**National
Oceanography Centre**
NATURAL ENVIRONMENT RESEARCH COUNCIL

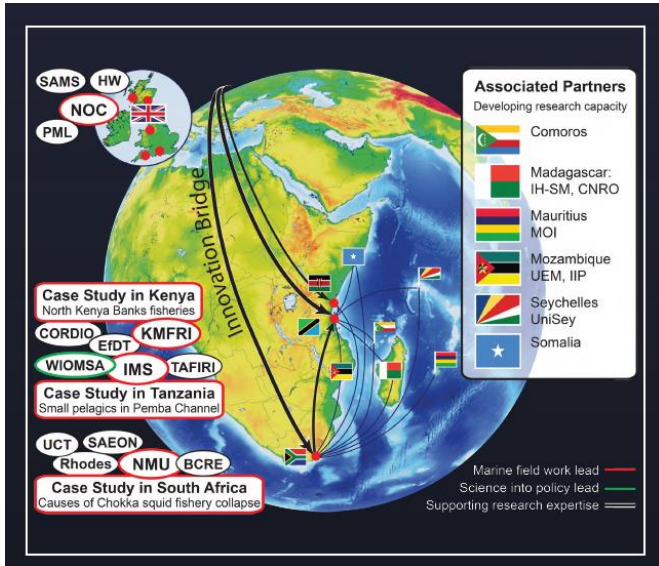
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Sustainable Oceans, Livelihoods and food Security Through Increased Capacity in Ecosystem research in the Western Indian Ocean



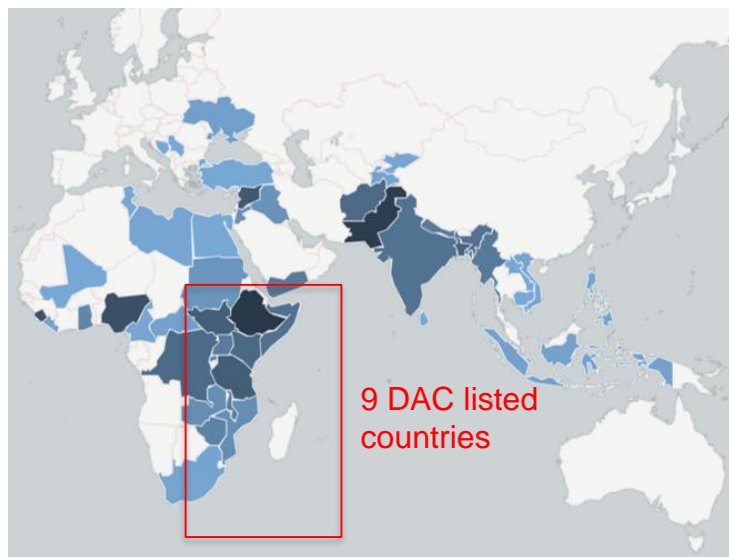
SOLSTICE is a four year collaborative project that aims to strengthen capacity in the WIO region to address challenges of food security and sustainable livelihoods for coastal communities.





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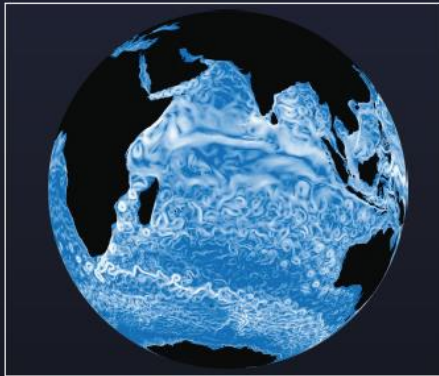


- 60 M people are directly dependent on the WIO for their food and livelihoods
- Over-exploitation of resources, habitat destruction, and a changing ocean are threatening ecosystem health & livelihoods
- Poor coastal communities have low adaptive capacity = unfolding crisis!



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SOLSTICE combines marine robotics, ocean models and remote sensing for cost effective monitoring and predictions in data poor areas



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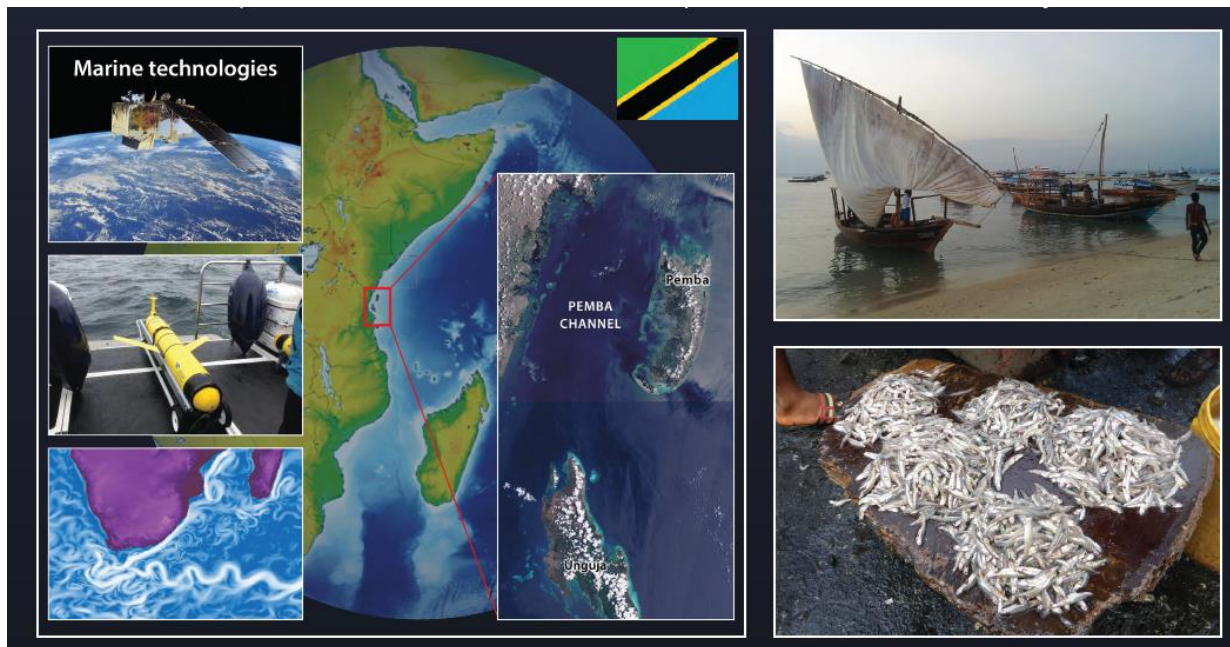
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Case study 1 (Tanzania): Pemba Channel small pelagics: threats and opportunities of climate change Led by Institute of Marine Science, Zanzibar

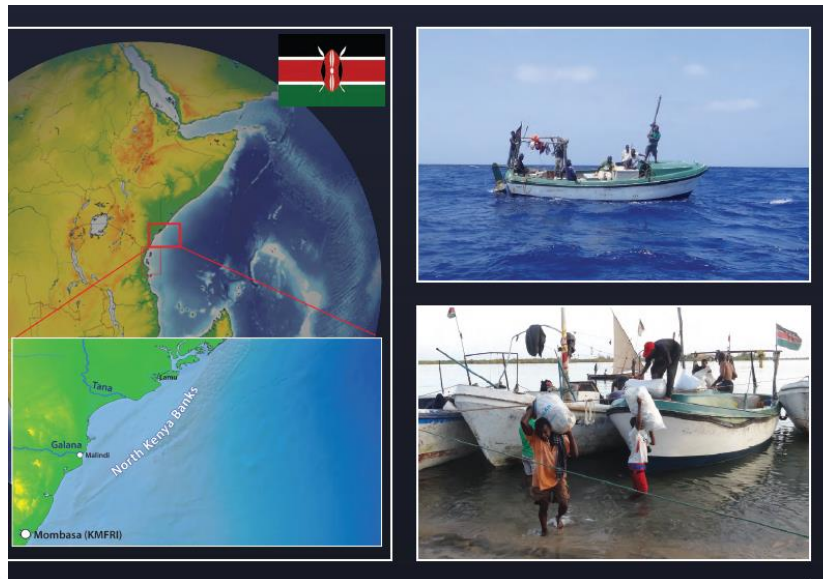




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Case study 2 (Kenya): Emerging fishery of the North Kenyan Bank: the next frontier for food security of the coastal population
Led by Kenya Marine and Fisheries Research Institute





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Case study 3: (South Africa): Ecosystem shifts & fishery collapse: South African Chokka squid fishery Led by Nelson Mandela University, South Africa

