

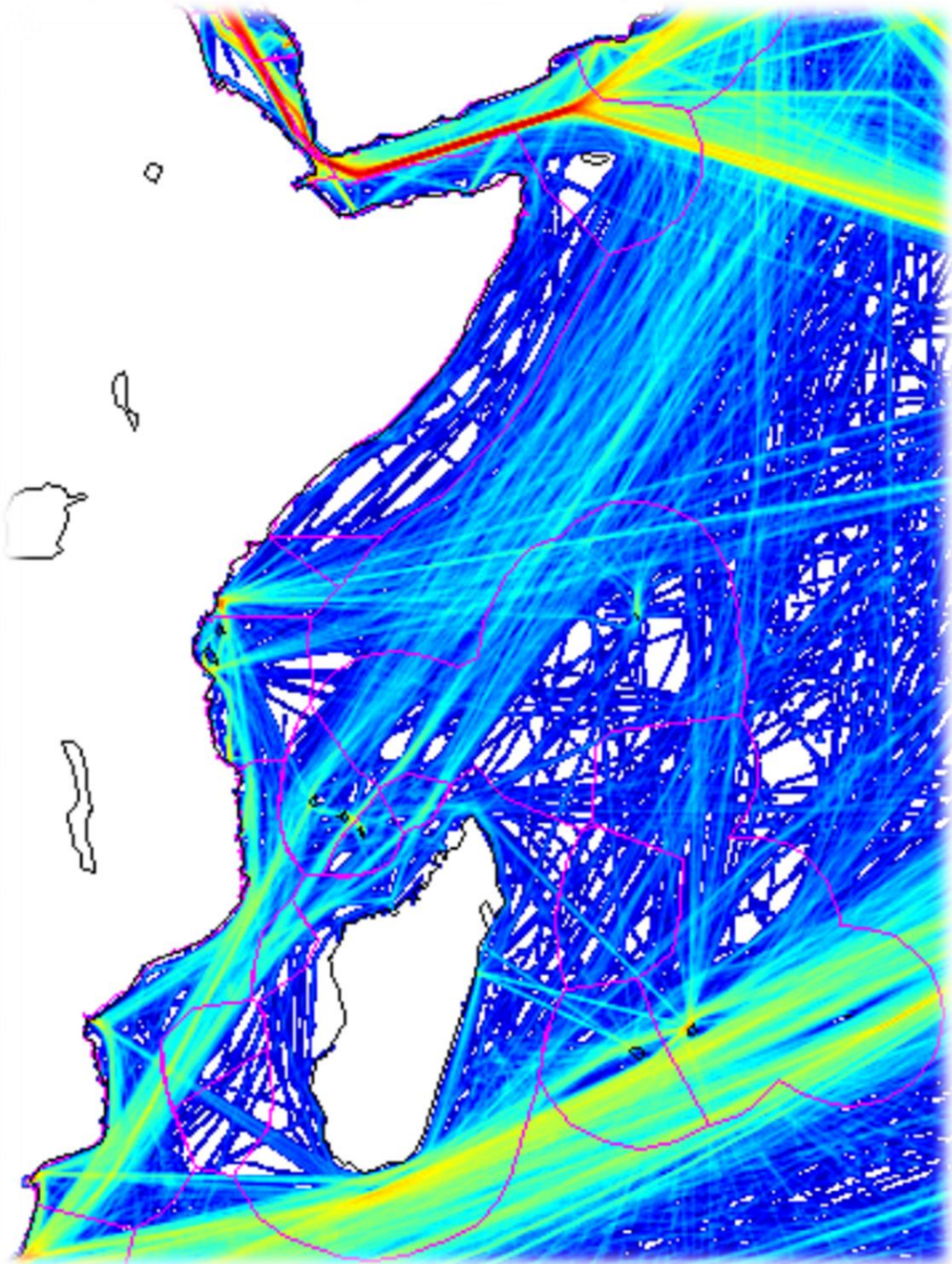
# Risks and Impacts of Spills



**Regional Workshop on Cooperation in Preparedness & Response to Marine Spills  
March 2020, Zanzibar**



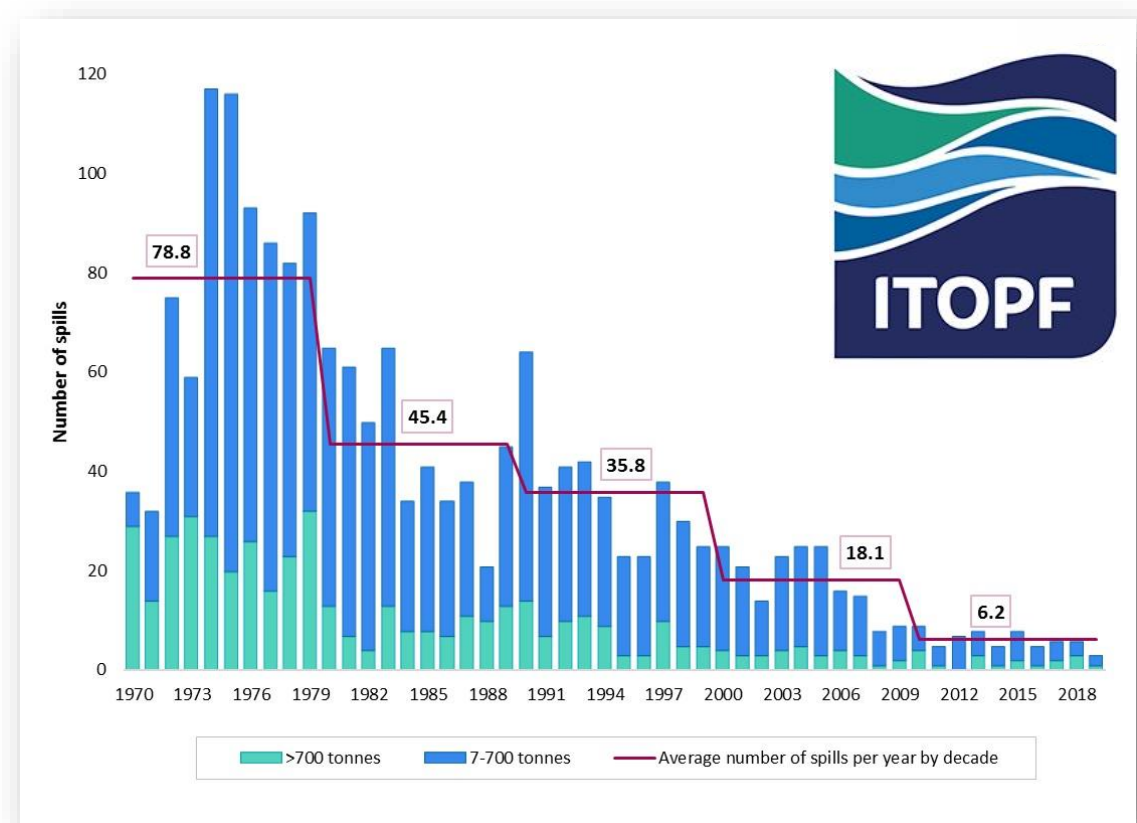
# Pollution Risks

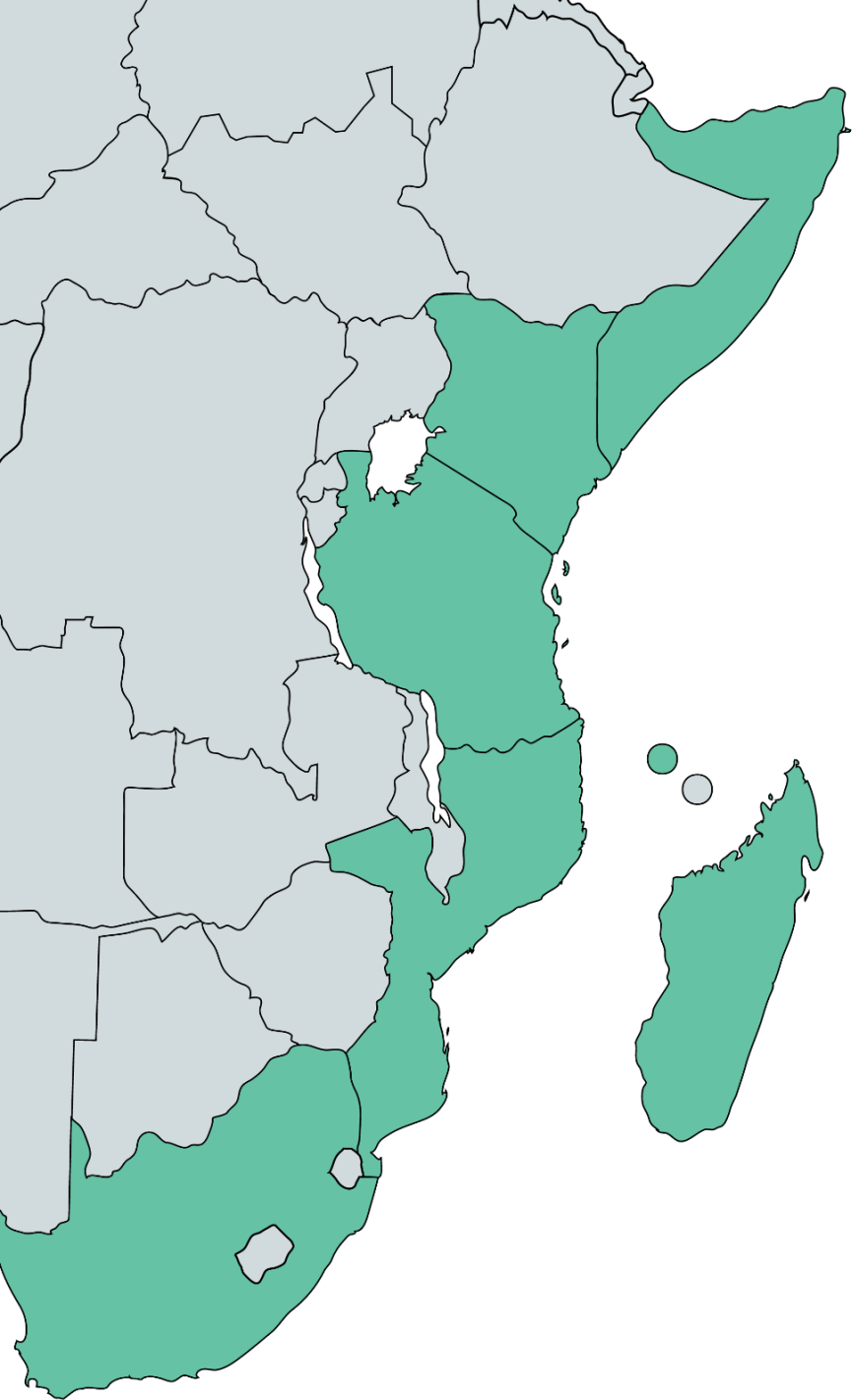


- Shipping traffic
- Ports and marine terminals
- Offshore oil and gas

# Shipping Incidents

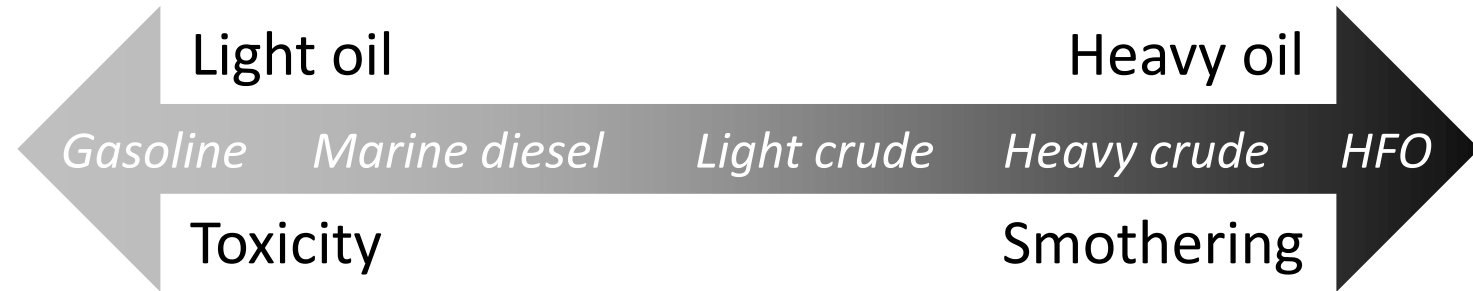
- Global trend of reducing spills
- Increasing proportion of fuel oil spills
- Collisions and allisions primary cause





# Oil Spill Impacts

- Type of oil



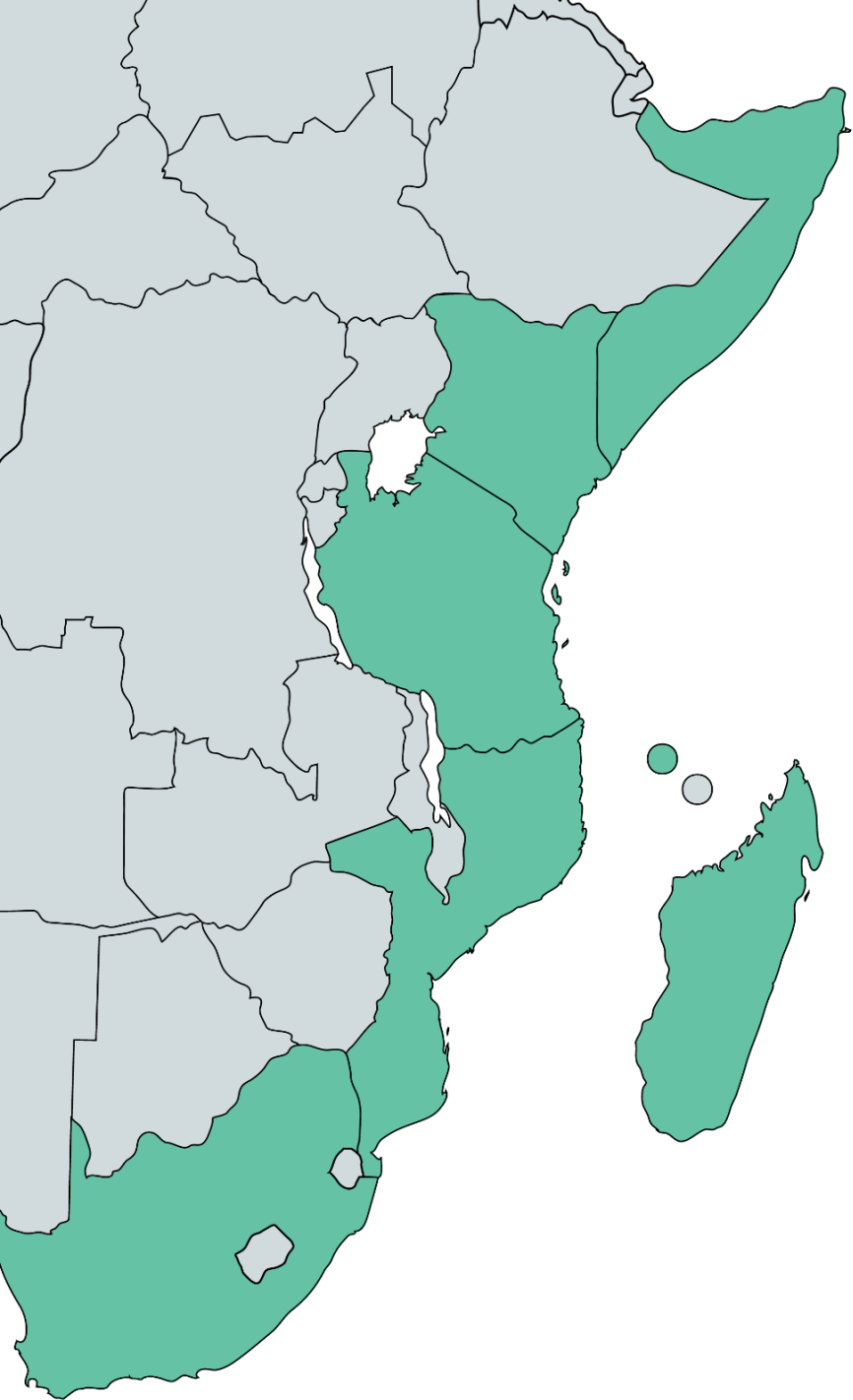
- Volume and 'weathering' behaviour

- Fate and trajectory

- monsoonal winds  $\Rightarrow$  towards land

- Ecosystem and socio-economic sensitivities

- Recovery potential

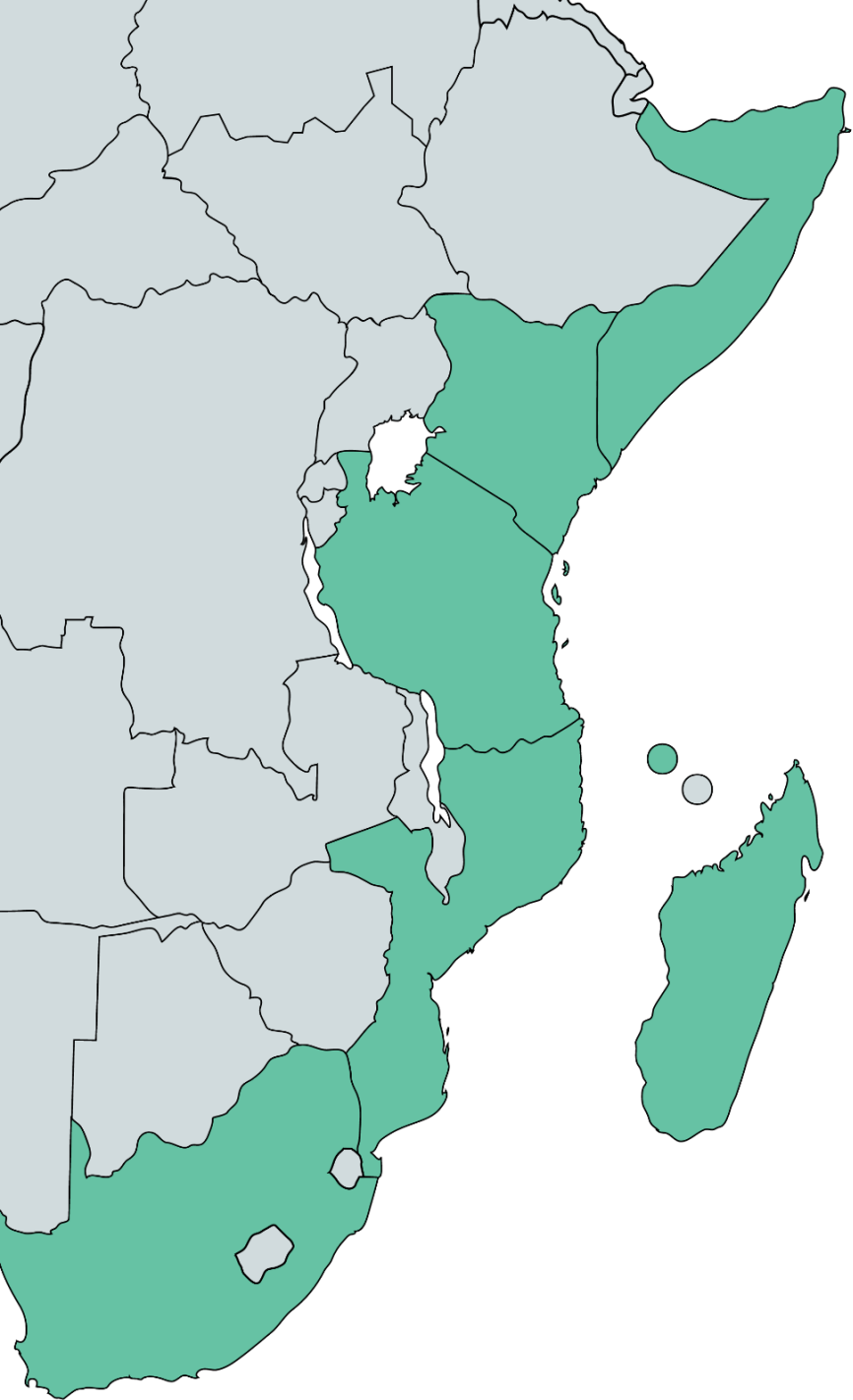


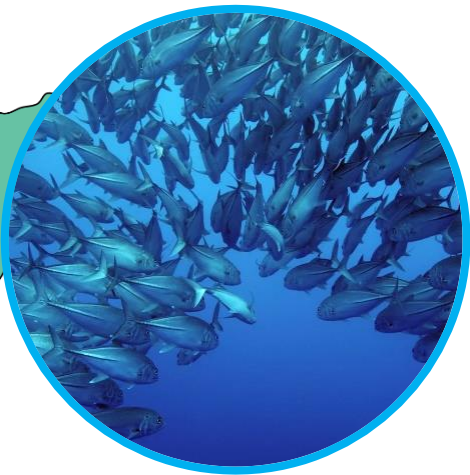
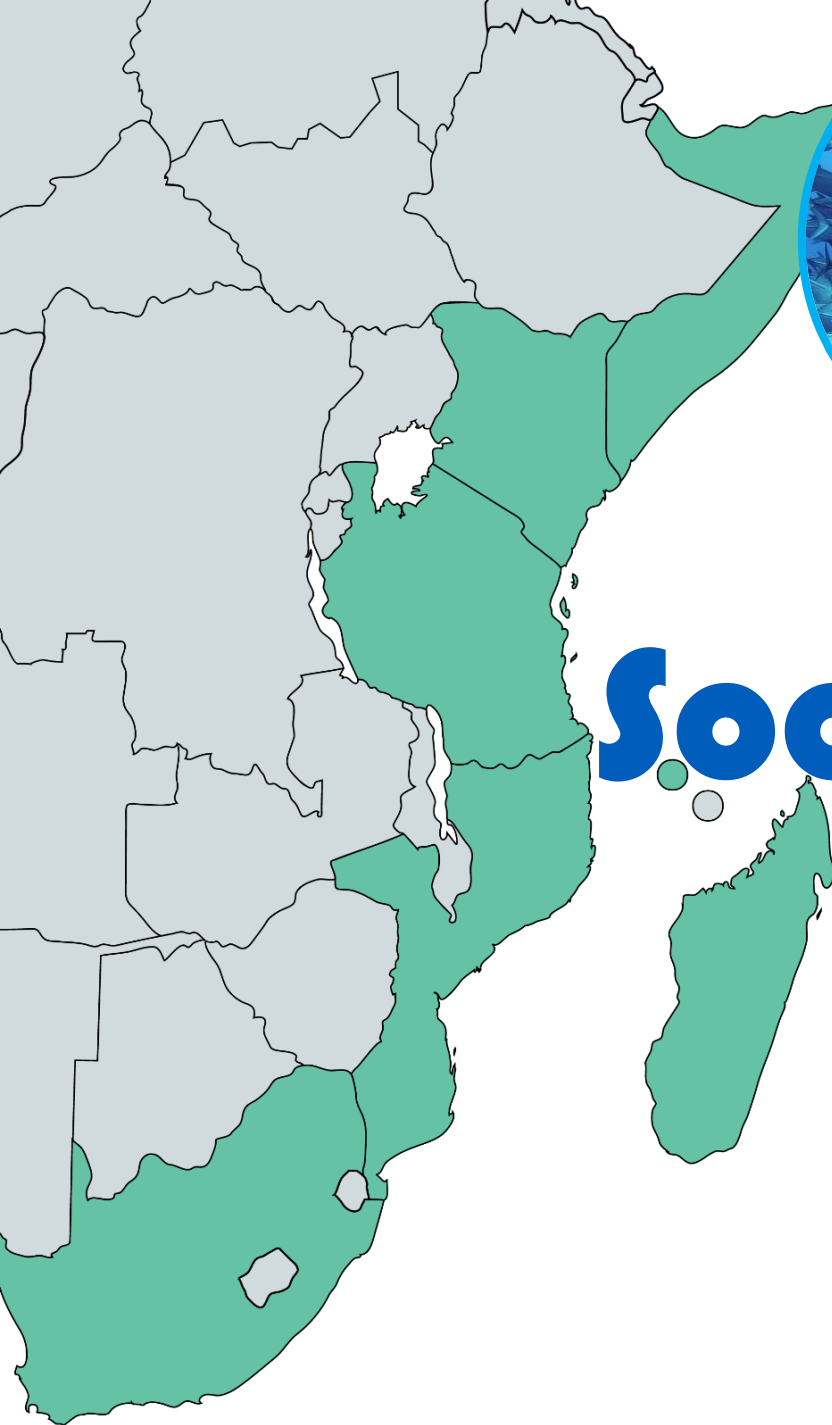
# Ecosystems



# Ecosystems

- Critical habitats and biodiversity
  - coral, mangrove, seagrass...
- Important Bird Areas
  - Ramsar sites
- Threatened species and wildlife
- Existing stresses



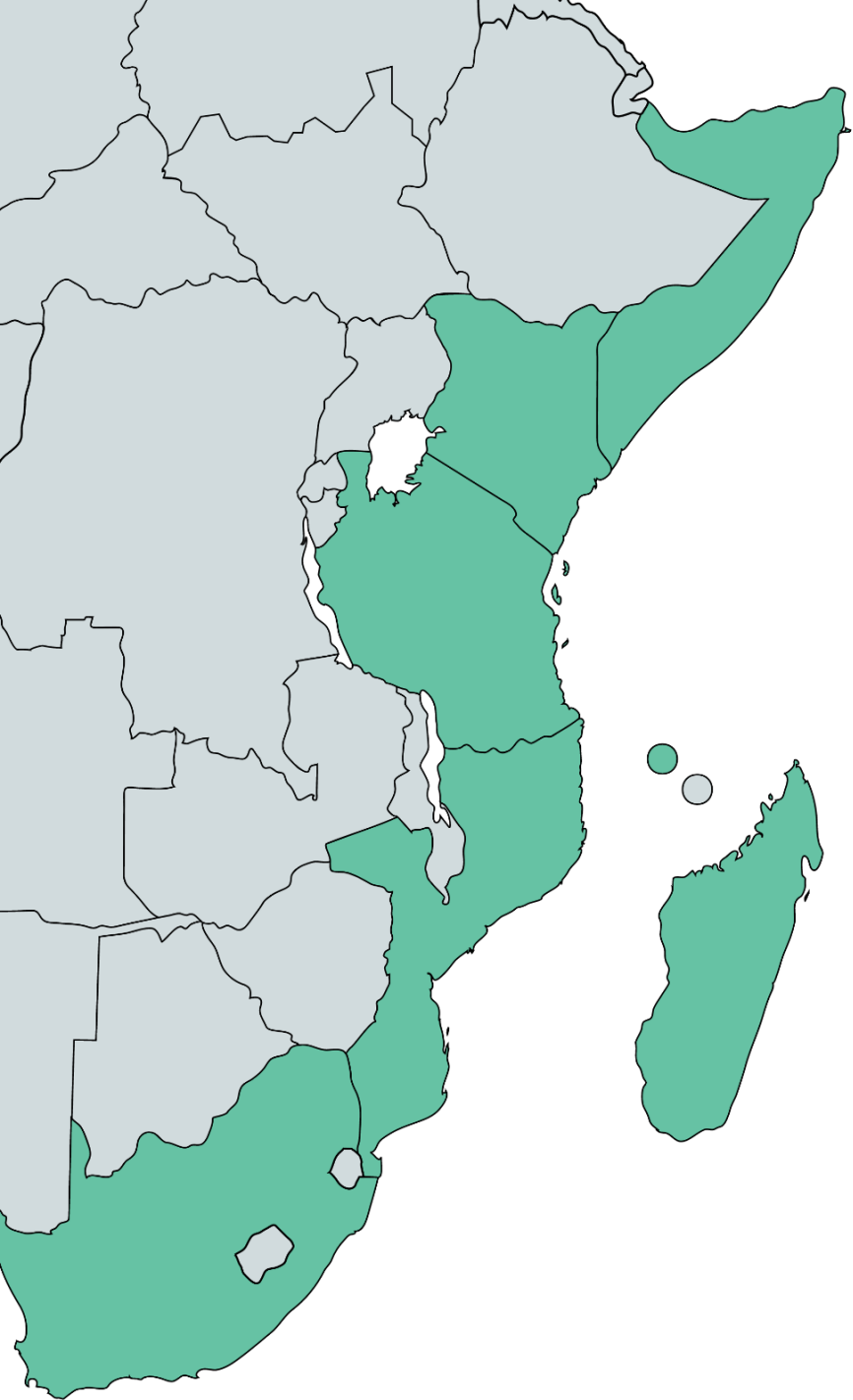


# Socio-Economics



# Socio-economics

- Potential for serious damages and costs
- Fisheries and tourism typically suffer high impacts
- Various other activities can be disrupted





# Risks and Impacts of Spills

- Marine pollution risks remain
- Spill impacts depend on various factors
- Disruption can extend to both ecological and socio-economic resources

