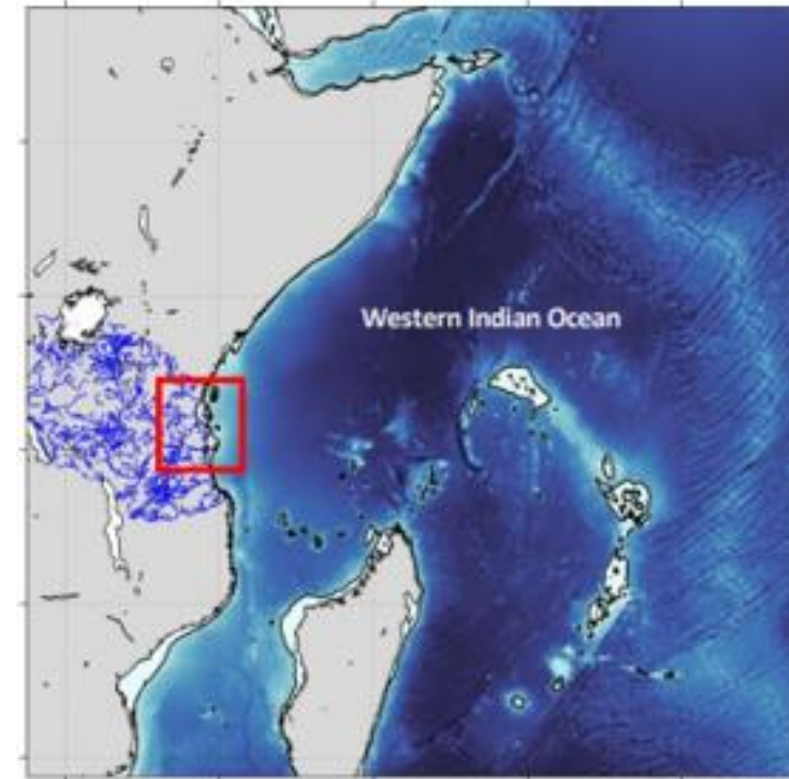


CLIVAR IORP/POGO Regional training workshop on observing the coastal and marginal seas in the western Indian Ocean

Hellen Joseph Kizenga

Institute of Marine Sciences,
University of Dar es Salaam,
Zanzibar, Tanzania



NELSON MANDELA
UNIVERSITY

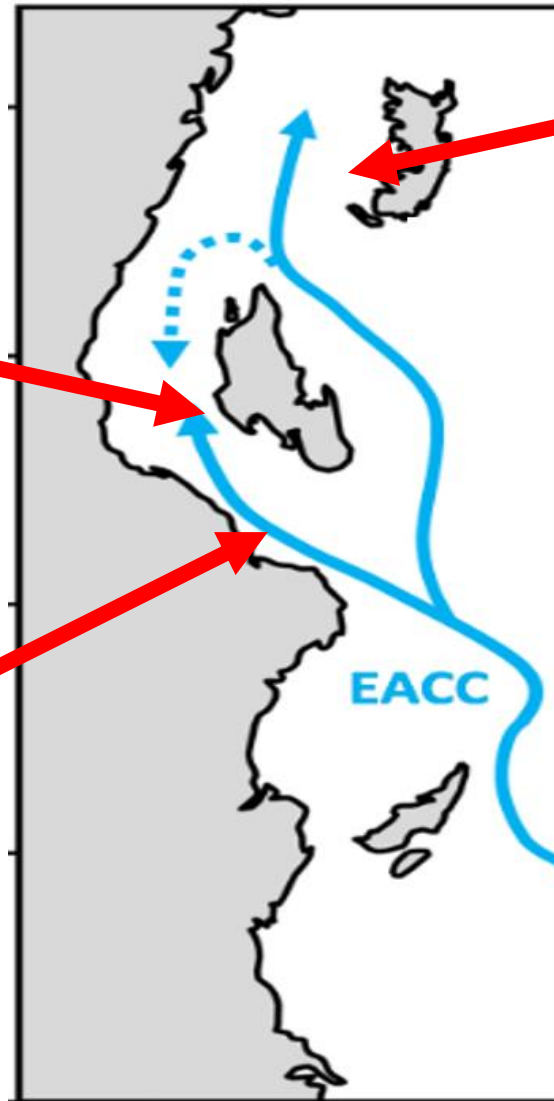
Existing coastal observing systems in Tanzania

Local initiatives

- ❑ Temperature Logger (1997 - present) -
- ❑ IMS – Coral Reef Targeted Research

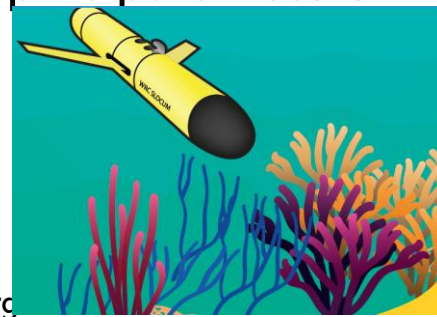
- ❑ Buoy system— deployed by TAFIRI (October 2021 -??)

- ❑ Purpose: Ocean Acidification



Drifters and Robots- SOLSTICE project (2018 - 2019) -

Different oceanographic parameters for a short period



©solstice.wio.org



Existing coastal observing systems in Tanzania

Local initiatives

E-stations – Satellite observations

Institutions: TAFIRI
SOAF - UDSM



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Existing coastal observing systems in Tanzania

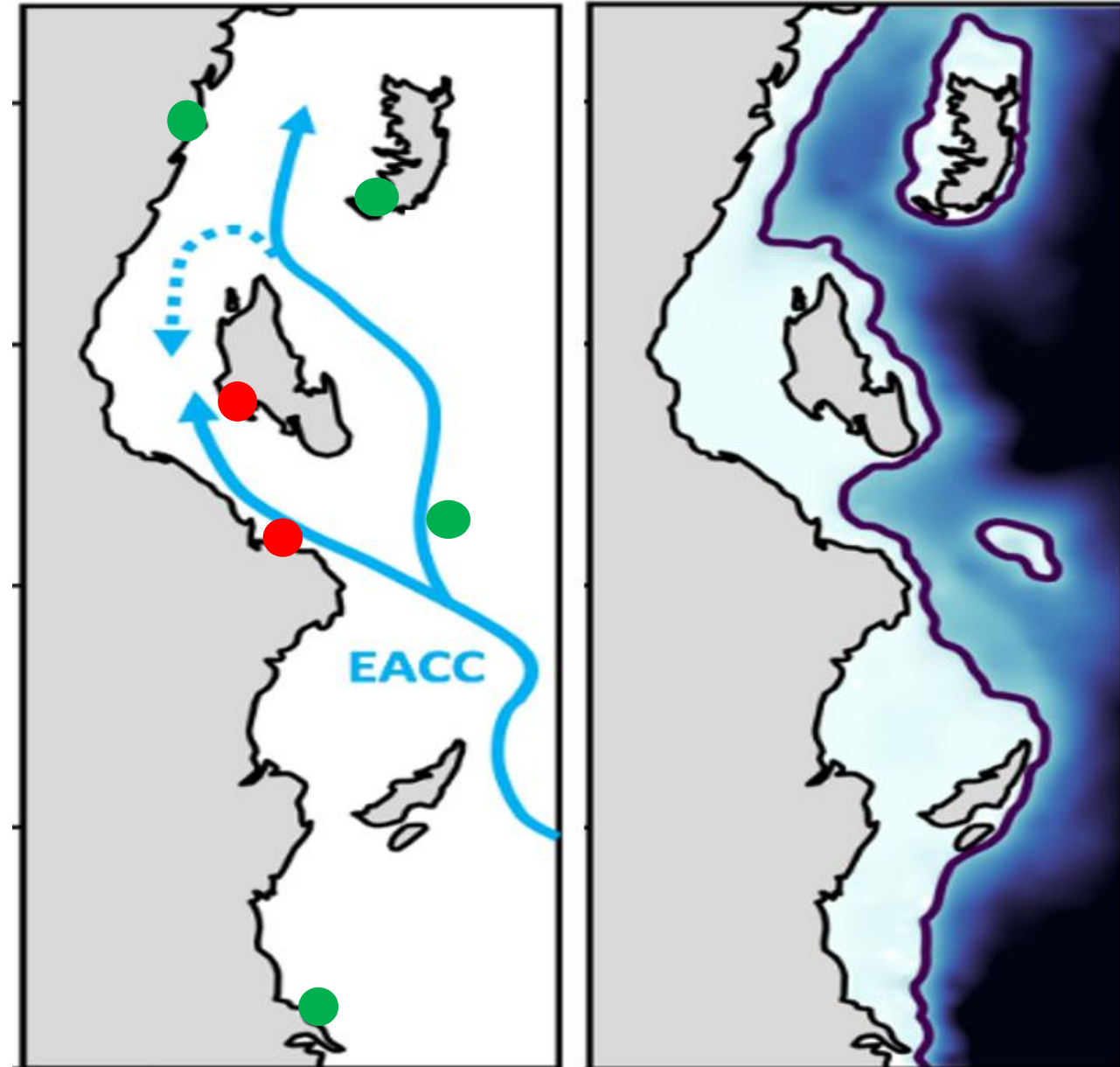
Regional and Global initiatives

Zanzibar tide gauge

1985 - present Two operational stations of **Zanzibar and Dar es Salaam**.

Zanzibar has a satellite transmitting station while Dar es Salaam has a mechanical float gauge.

Regional collaborative initiative with IOC & GLOSS



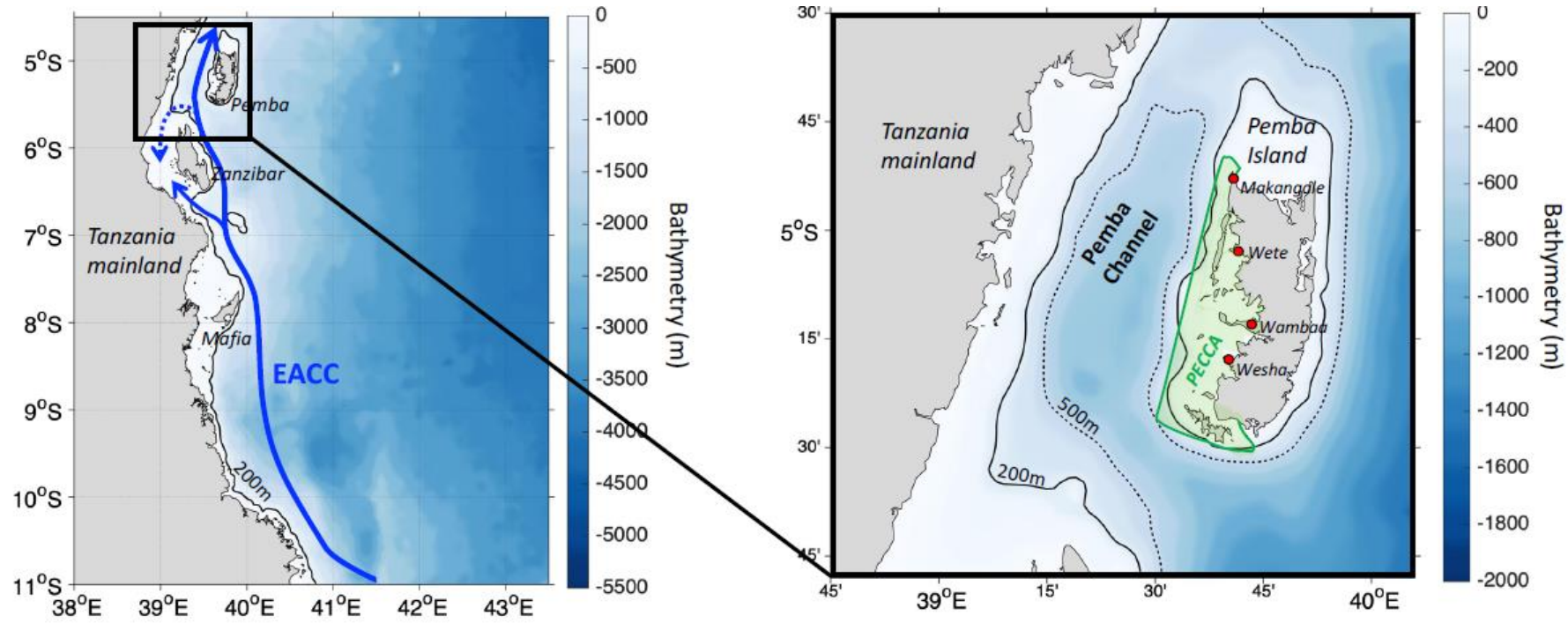
Existing coastal observing systems in Tanzania

Regional and Global initiatives

Drifters

Argo floats

Global systems under
NOAA



Future plans

IMS:

Establishing e-station and other oceanographic in-situ sensors including Buoy systems under SIDA project, targeted for next year

Proposition of a new research vessel

TAFIRI:

Buoy systems for ocean acidification and other oceanographic parameters funded by WIOMSA in Moa - Tanga

Challenges

- Funds for installing different observing systems still pose a problem to oceanographic institutions in Tanzania
- No research vessel for deploying and monitoring the observing systems
- Ocean observation is not a priority in the Tanzanian policies
- Capacity in developing, monitoring and maintaining the observing systems is lacking
- Resource users like fishers have little awareness on the importance of having these devices in our waters eg. TAFIRI's buoy

Thank you!!