

How Tanzanian fisher Committees use bottom-up approach to surveillance and enforcement of their nearshore fisheries in Pemba Channel Conservation Area

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Introduction to Mwambao

Vision: Mwambao vision is thriving coastal communities and sustainably managed healthy marine ecosystems in Tanzania including Zanzibar

Mission: Mwambao's mission is to maintain healthy marine ecosystems through improved sustainable coastal resource management and diversified community livelihoods.



WHY ADOPT A BOTTOM-UP APPROACH TO SURVEILLANCE AND ENFORCEMENT IN MARINE CONSERVATION AREAS?

Marine conservation areas are vast

- A **centrally controlled approach** to surveillance and enforcement is
 - costly and often ineffective
 - top down and does not encourage local responsibility OR build trust and ownership

- A **bottom-up approach**
 - will improve efficiency
 - is crucial where communities have a core dependence on marine resources i.e it is inclusive



An overview of our approach to co-management



Capacity assessments and capacity building



Participatory resource mapping



Establishment of temporary and permanent no take zones



Artificial reef establishment



Participatory analysis and community catch monitoring



Establishment of eco credit groups

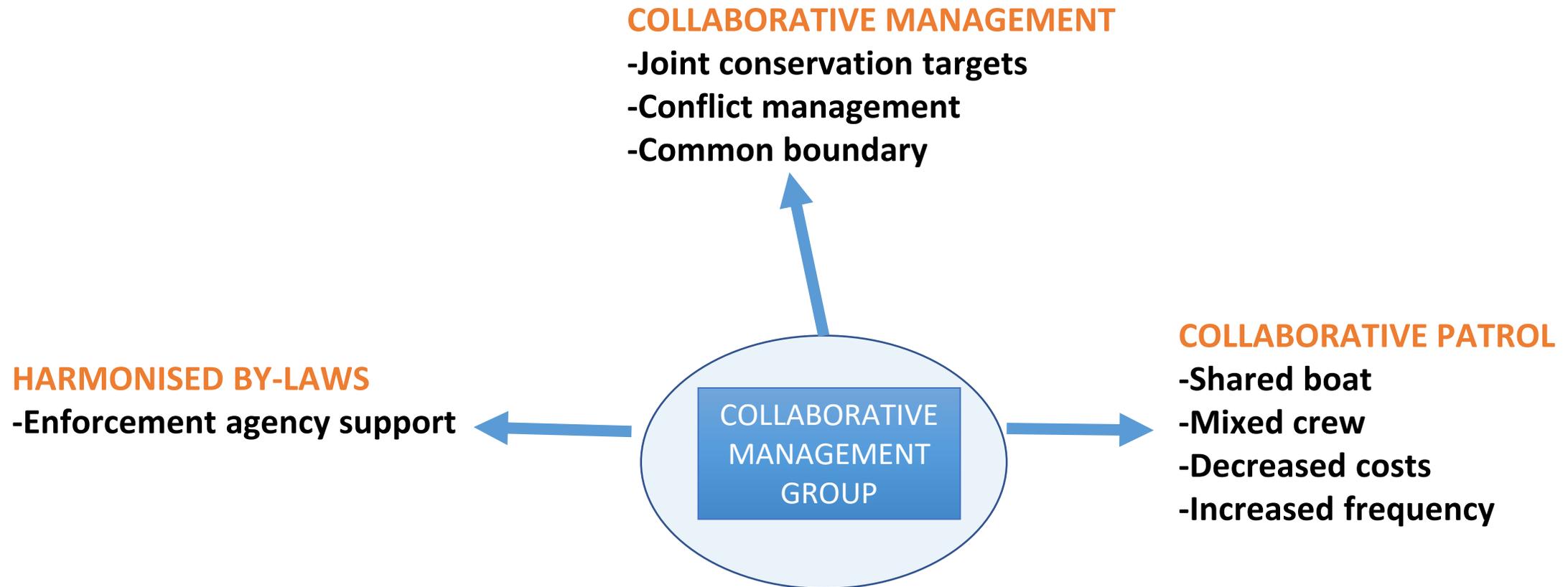


Community patrols and enforcement of by laws



PMSD and value chain support

CO-MANAGEMENT MODEL WHERE INDIVIDUAL COMMITTEES FORM COLLABORATIVE MANAGEMENT GROUPS (4-6 COMMUNITIES) WORKING TOGETHER



**Mwambao and WildAid in 2019
Conducted an Assessment with the
following objectives**

OBJECTIVE 1

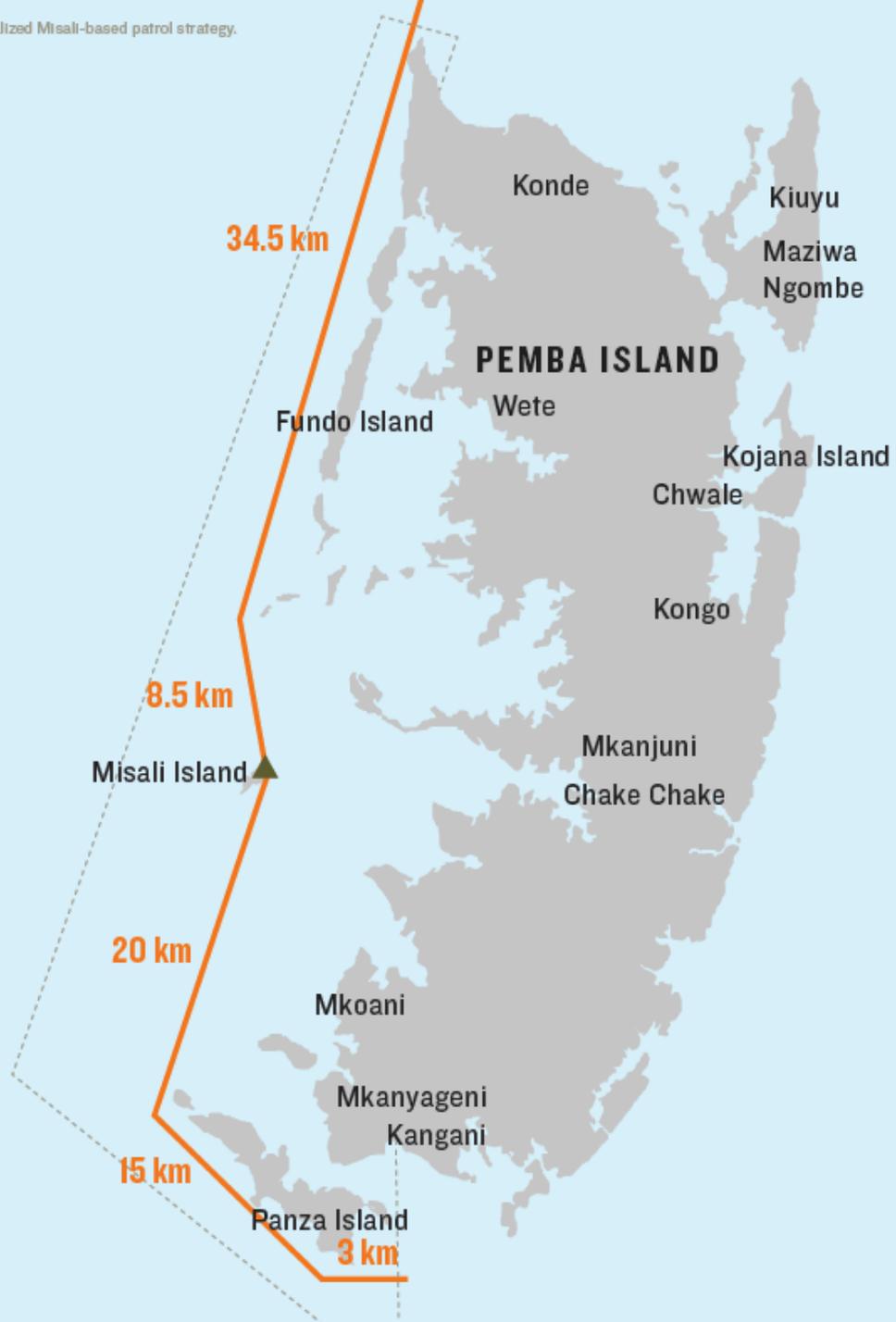
**Design a practical control and vigilance
strategy system placing special emphasis
on protecting preservation zones and
fisheries.**

OBJECTIVE 2

**Prioritize a series of recommendations to
optimize patrol strategies as well as
increase compliance.**



Figure. 4: Centralized Misali-based patrol strategy.



KEY FINDINGS

Limited enforcement & institutional capacity

Lack of uniforms, limited outreach, sporadic patrols, regulations are not enforced, and no SOPS

Ineffective centralized Misali-based patrol

Rangers must travel long distances burning scarce fuel achieving limited presence and DO support .

Leverage Co-Management Strategy

SFCs should have more prominent role in compliance strategy

Lack of Awareness and Regard for Regulations

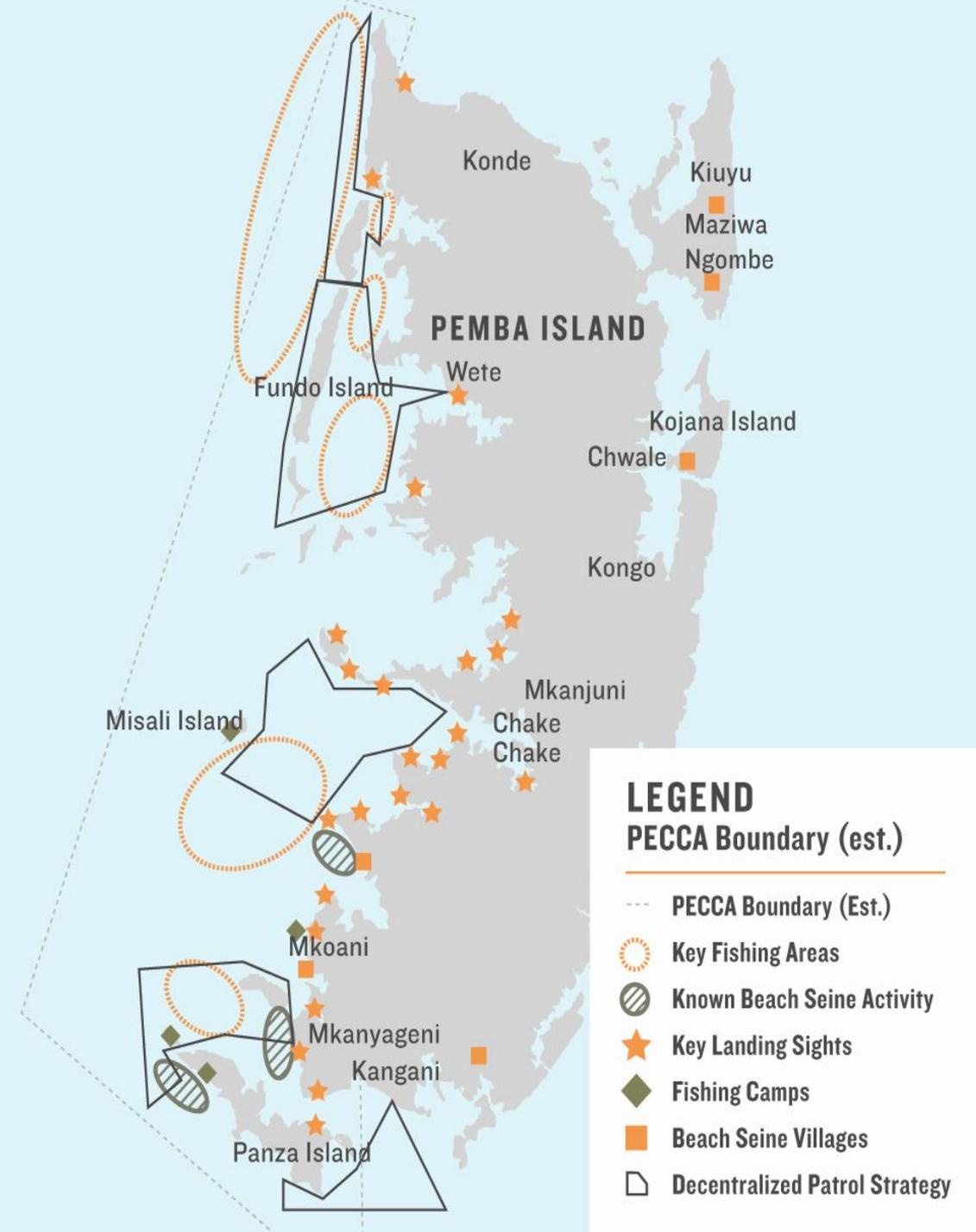
Lack of fishing licenses, encroachment into season closures and use of illegal gear (SCUBA, seines and spearfishing)

Zonification not sufficient

Extremely limited in size and no clear demarcation

Recommendations from the Findings

1. Institutional Strengthening of DFD and PECCA
2. Decentralize patrol strategy
3. Recommended Patrol Assets
4. Inter-agency agreement with Navy Police
5. Education and Outreach
6. Protected Area Demarcation
7. Enforce Regulations and ensure Penalties



Implementation from the recommendations

- **Trained SFCs and PECCA rangers on Compliance and Enforcement**
- **Equipped CMGs with patrol Equipments**
- **Supported CMG on conducting 4 joint patrols every month with support from DMC**
- **Trained CMGs on patrol data collection**



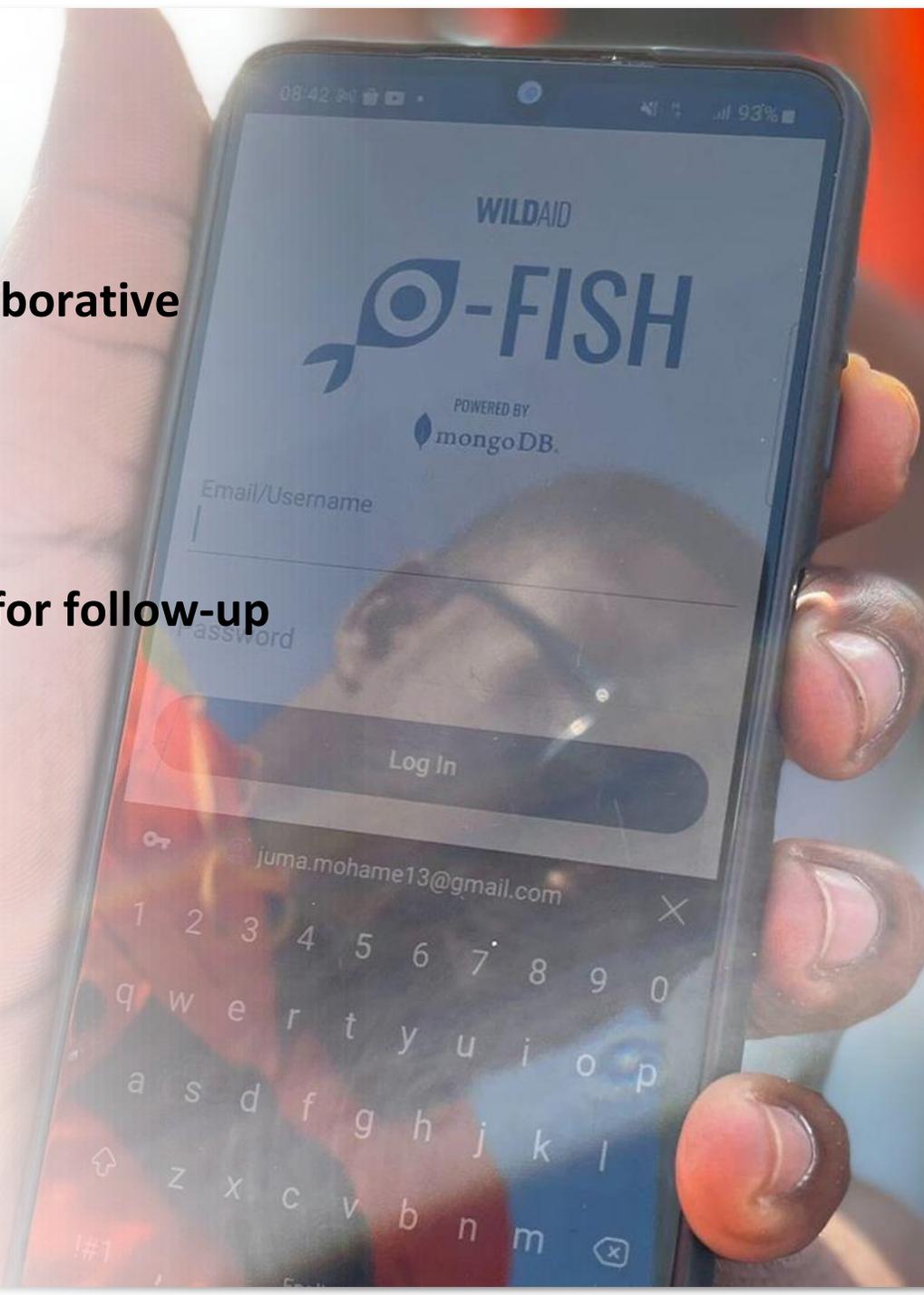
Success from the follow up of the Assessment

- **Patrol routes discussed and agreed**
- **Monthly meetings for each team held**
- **Joint Fisheries committees patrol**
- **Four patrols conducted in every month**
- **Community ownership of patrol data - written record**



Next steps

- Expanding approach to New Collaborative groups
- Digitising data collection
- Improved coordination with DoF for follow-up actions
- Refine targeted approach
- Improved outreach



Thank you

