

PROGRESS OF SAPPHIRE PROGRESS – TANZANIA/IMS CONTRIBUTION TO SAPPHIRE (PROGRESS)



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SAPPHIRE PROGRESS

01 March 2022

Demonstration project

Project Outcomes

The IMS is taking part in 2 key work packages which will result into two project outcomes of the Tanzania intervention:

1. Oceanographic database for policy harmonization and management reforms in sustainable management of Large Marine Ecosystem Management and improved ocean governance.
2. Improved governance and community engagement for enhancing livelihoods

Project Work Packages, Outputs and Activities

Work Package 1: Oceanographic research to determining the influence of oceanographic factors on the timing and location of spawning of tuna and tuna-like species in the Tanzanian waters (on the northern marine Tanzania waters).

Work Package 2: Science into policy and community engagement.

- Work package 1 is aligned with the SAPPHIRE focus area (focus area C1.3) which **supports pilot studies** on coastal and marine ecosystem for provision of goods and services.

Main Aim

- The main aim of the demonstration project is to determine how the seasonal patterns of oceanographic parameters (sea surface temperature, chlorophyll-a, nutrients and surface current velocities) of the Tanzanian waters on the northern sector are linked with the tuna and tuna-like species spawning and fishing ground sites.

Project outcomes:

Project outcome 1: Oceanographic database for policy harmonization and management reforms in sustainable management of Large Marine Ecosystem Management and improved ocean governance.

Project outcome 2: Improved governance and community engagement for enhancing livelihoods.

- **Objective 1:** To enrich oceanographic data for determining the influence of oceanographic factors on the timing and location of spawning of tuna and tuna-like species in the Tanzanian waters (on the northern marine Tanzania waters). This objective is aligned with the SAPPHIRE focus area C1.3 which supports pilot studies on coastal and marine ecosystem for provision of goods and services

Output: 1.1: Oceanographic database created for improved governance of coastal and marine resources

- **Activity 1.1.1:** *Analysis and synthesis of oceanographic data from previous cruises (Agulhas II cruises)*
- **Activity 1.1.2:** *Undertake 2 oceanographic cruises for 2 weeks, one each during the NE and SE monsoon periods along the planned RV Mtafiti cross-shore transects between north Pemba Island and Dar es Salaam (Figure 3).*
- **Activity 1.1.3:** *Undertake 4 month each research during the NE and SE monsoon periods on the critical habitats of the seascape between Tanzania Mainland and the Zanzibar islands.*

Output 1.2: Scientific publications and policy brief on mainstreaming of oceanographic data in management of coastal and marine ecosystems

- ***Activity 1.2.1: Drafting scientific publications on mainstreaming of oceanographic data in management***
- ***Activity 1.2.2: Drafting policy brief on mainstreaming of oceanographic data***

Work Package 2: Science into policy and community engagement.

Project outcome 2: Improved governance and community engagement for enhancing livelihoods.

Output 2.1: Improved capacity of communities to manage resources through community-based institutions (Strengthened Beach Management Units, Shehia Fisheries Committees, etc)

Activity 2.1.1: Conduct awareness and sensitization meetings and training workshops with local communities and managers in selected districts along the coast of Tanzania Mainland and Zanzibar on best practices on coastal resources management.

Output 2.2: Scientific publications and Policy brief on community engagement in management of coastal and marine resources

Activity 2.3.1: Drafting scientific publication on engaging communities in management