



Food and Agriculture Organization  
of the United Nations

REPUBLIC OF MOZAMBIQUE  
MINISTRY OF SEA, INLAND  
WATERS AND FISHERIES

## Mussel Community Aquaculture Project KaNyaka District



**SAPPHIRE Project Meeting**

December 8, 2023



# Presentation Structure

1. Contextualization
  - 1.1. Introduction
2. Progress of activities - Actions carried out
3. Lessons learned
4. Challenges
5. Follow-up actions

# 1. Contextualization

- The Indian Ocean Large Marine Ecosystems Strategic Policy and Institutional Reforms Action Plan (**WIO LME SAPPHIRE**) project builds on previous work completed under the Somali Current Agulhas and Large Marine Ecosystems (ASCLME) project, funded by the **GEF** and supported by **UNDP** , in close collaboration with different partners.
- In this context, the Strategic Action Program (SAP) was developed to address the problems of greatest concern facing the marine and coastal ecosystems of the WIO region. In line with this, the **SAPPHIRE** project was designed to implement the priorities defined in the WIO LMEs SAP.

## Contextualization ( cont .)

- The **SAPPHIRE project** benefits the governments of Comoros, Kenya, Madagascar, Mauritius, **Mozambique** , Seychelles, Somalia, South Africa and Tanzania. The overall objective of the project is to achieve effective long-term management of ecosystems.
- **The Mussel Aquaculture Community Project in the Kanyaka District**, resulting from this partnership, was approved and financed with USD \$80,000 lasting 1 year, with implementation beginning in 2023.

## 1.1. Introduction

- The Mozambican Coast has enormous potential for the development of mariculture activities. The cultivation of the *Perna Perna species* in Maputo province, KaNyaka district, will contribute to boosting aquaculture activity.
- The Aquaculture Development Strategy 2020/2030 (EDA) has as its main objective to promote the development of aquaculture in Mozambique, with a view to exploring the existing national potential, in a sustainable way, from a socioeconomic point of view.

## 2. Progress of activities - Actions carried out

May  
2023

### 2.1. Location identification

#### Aspects taken into account

- Physical-chemical (temperature, salinity, depth, type of bottom);
- Social (interested community, possible conflicts with other activities);
- Health (existence of industrial, urban areas).

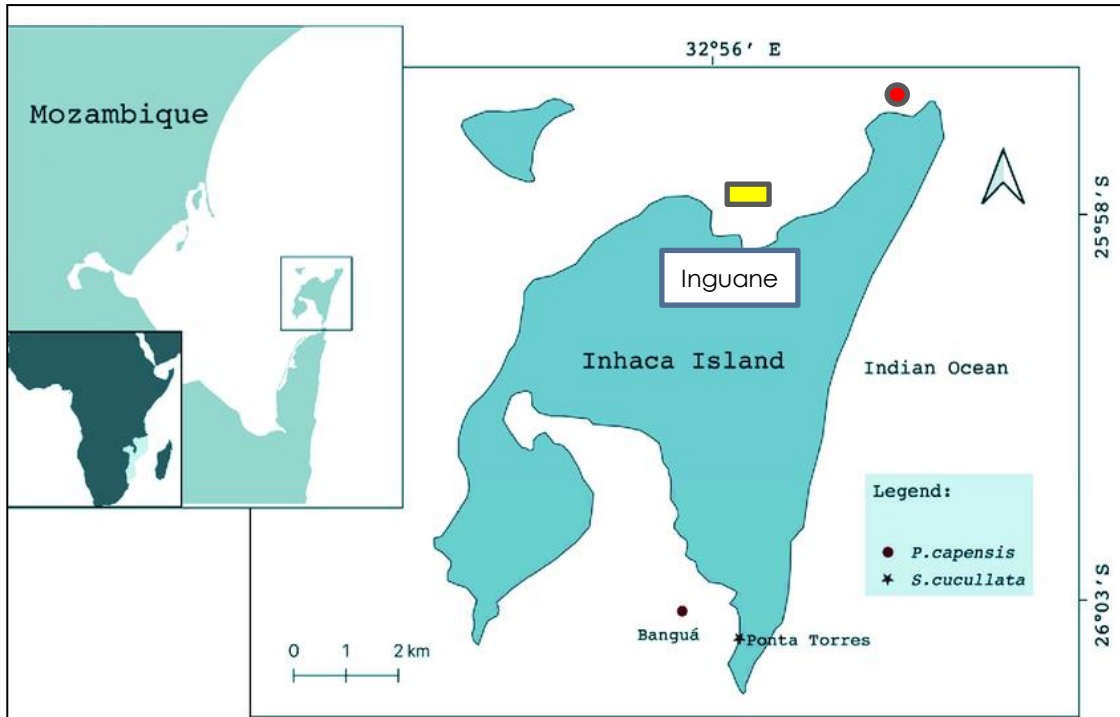


## 2. Progress of activities - Actions carried out



May  
2023

### 2.1. Location identification

It is located in the northwest of the island, an area covered by the Farol fishing center, called the Inguane neighborhood;



#### Subtitle

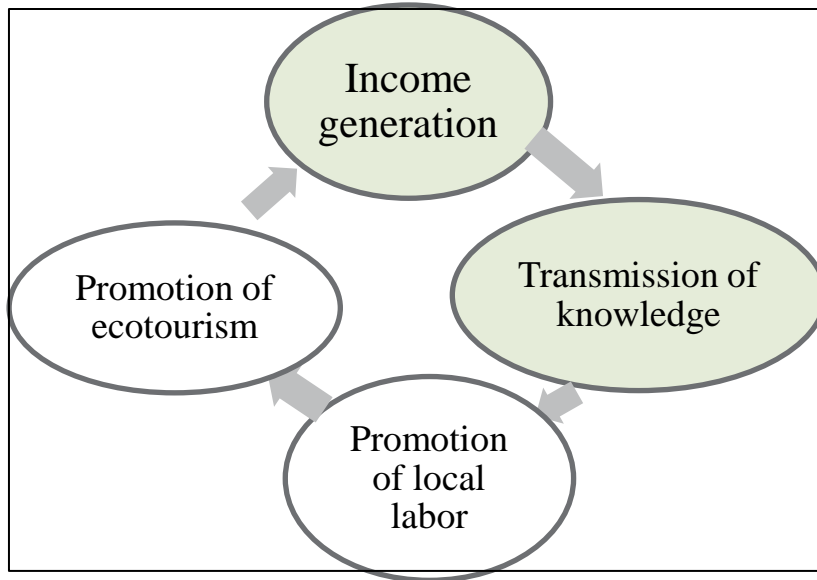
-  - Kanyaka Lighthouse
-  - Site identified for Mussel cultivation

## 2. Progress of activities - Actions carried out

May  
2023

### 2.2 Social impact assessment study

- The project will contribute to boosting aquaculture and fishing activities, generating income at community level, with greater emphasis on local fishermen and traders.





## 2. Progress of activities - Actions carried out...

July -  
August  
2023

### 2.3. Theoretical training in mussel cultivation

- The opening of the training program was attended by community leaders, local government and sector technicians;
- 40 beneficiaries were selected, 35 beneficiaries were present at the theoretical component training; **9M** and **26H** .



## 2. Progress of activities - Actions carried out...

### 2.4. Practical training in mussel farming

#### Construction of production infrastructure ( long line )

- Built 6 long lines 50m long;
- Sewn 300 initial sachets with a maximum capacity of 2kg each;
- Placement of floats (drums) in the cultivation system;
- Concrete anchors are manufactured (recycled tires and drums).



## 2. Progress of activities - Actions carried out Cont...

### 2.4. Practical training in mussel farming

- Seeds measuring 2 cm to 3 cm;
- Filling sachets with mussel seeds;
- Population in long-lines, where each sachet weighed 1.5kg;

Placing seeds in sachets and planting;



## 2. Progress of activities - Actions carried out...

September  
2023

### 2.5. Theoretical training in matters of associations and cooperativism

- The training was opened by the local government;
- 35 beneficiaries trained; 9M and 26H;
- Elected social bodies and management of the association
- Drafted the association's statutes and minutes of incorporation



## 2. Progress of activities - Actions carried out Cont...

November  
2023

### 2.6. Cultivation monitoring

Checking the condition of the long-line,  
cleaning and replacing the sachets.

- Cleaning and replacing 100 sachets in 2 long-lines;



### 3. Lessons learned

- Appropriation of the project by the communities involved;
- Good assimilation of mussel cultivation techniques by communities;
- Good productive performance of the mussel during the months of cultivation;

## 5. Challenges

- Lack of vessel for monitoring;
- Delay in acquiring material for making sachets;

## 6. Follow-up Actions

- Carrying out fortnightly monitoring (Biometrics, cleaning of mussel ropes, checking the status of the long-line system);
- Training in mussel processing.



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**THANKS**

