



**MEC**  
MOTHER EARTH CONSCIOUS

ANSAM POU ENN  
MEYER  
LANVIRONMAN



Film Maker



# Team Presentation



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# Innovative Filtration System



# Our aim

Our aim is to provide Mauritius with a greener environment by preventing an accumulation of waste in our drains and by decreasing our consumption and waste production.



# Problem Description

An accumulation of waste in our drains due to our high level of consumption and production of waste, which results in several other problems

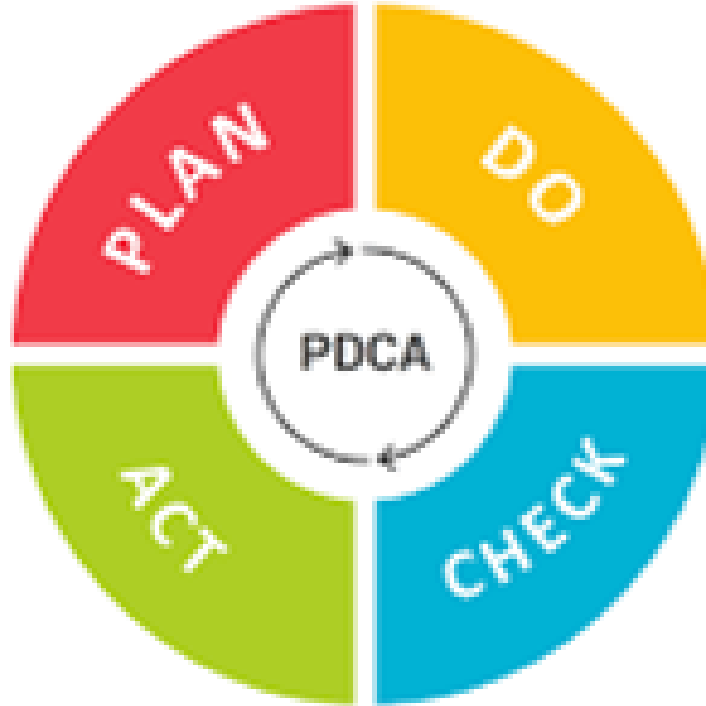




# The Deming Cycle

**Plan:** Choose a process and set objectives

**Improve:** Decide what changes to make in order to improve the process



**Perform:** Implement the plan and collect data based on the results

**Monitor:** Analyze the results using statistical methods

# Project planning

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
<b>Tasks</b>																			
Problem identification																			
Analysis of data and identification of solution																			
Identification of site and site visit																			
Drafting of project proposal for permit application to the district council/recycling industry																			
Final site visit and list of requirements																			
Paperwork: Report and powerpoint 2nd draft																			
Sponsorship from district council and adventure club																			
Implementation: placement of nets																			
Checking: verification of nets+collection of reusable wastes																			
Recycling of wastes																			
Act: Improvement of project																			
Marketing video shooting for project awareness																			
Sustainability: Identification of other sites/sale of recycled items																			



# Data Collection

Survey

Interview

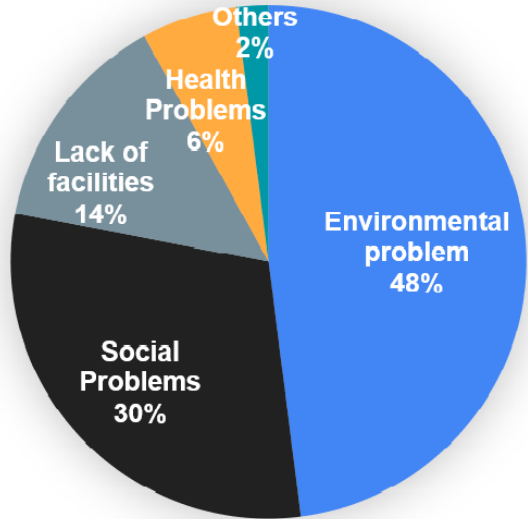
Observation

Brain storming



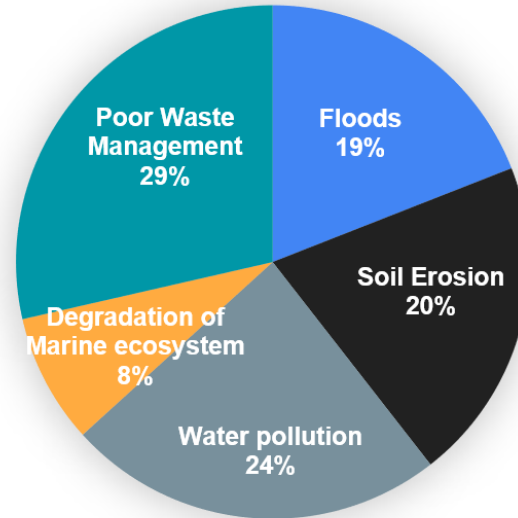
# Data Collection

## Problem Identification



■ Environmental problem ■ Social Problems ■ Lack of facilities  
■ Health Problems ■ Others

## Environmental Problem Identification



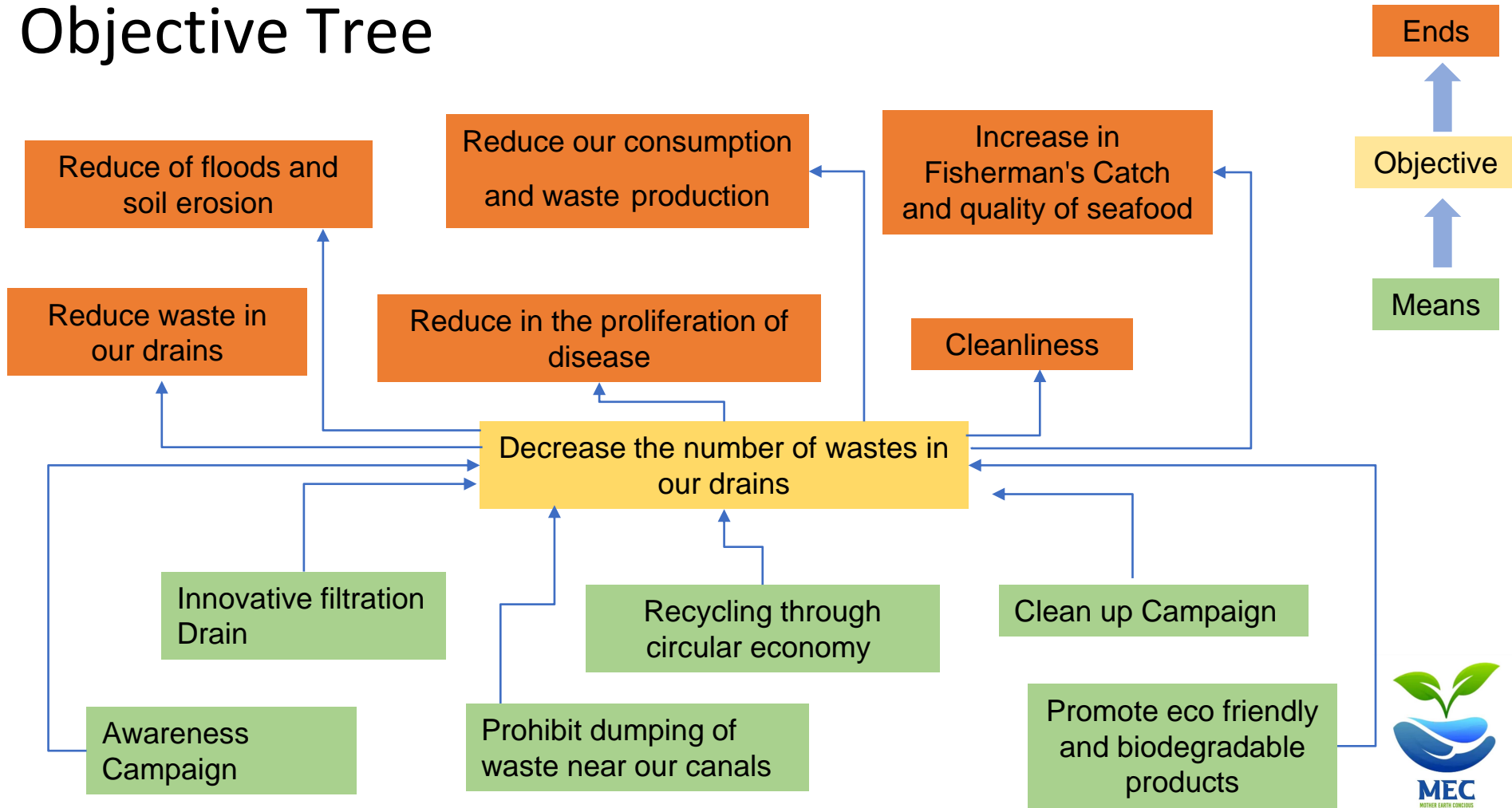
■ Floods ■ Soil Erosion  
■ Water pollution ■ Degradation of Marine ecosystem  
■ Poor Waste Management

# Problem Tree

The Accumulation of wastes in our drains was the core problem identified.

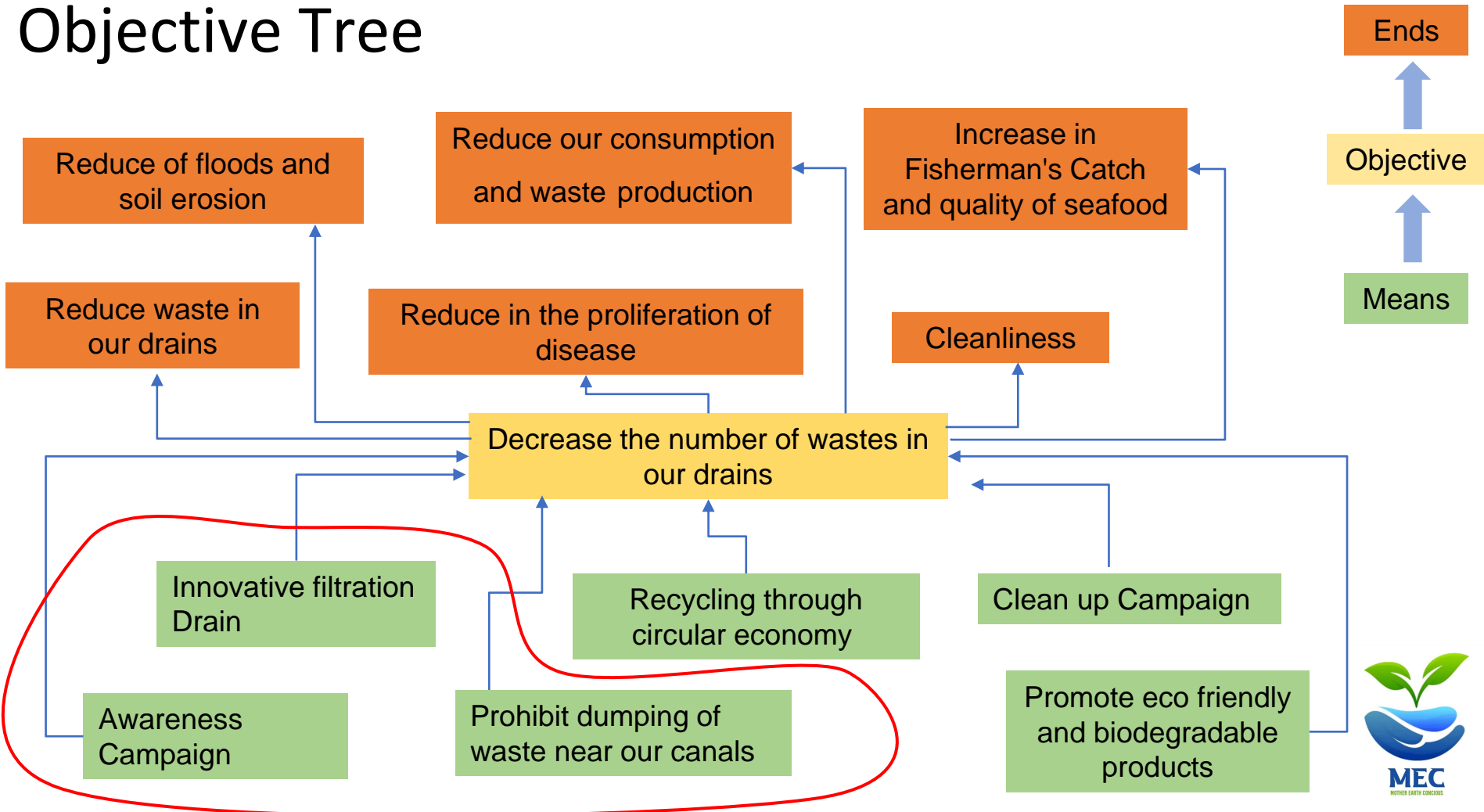


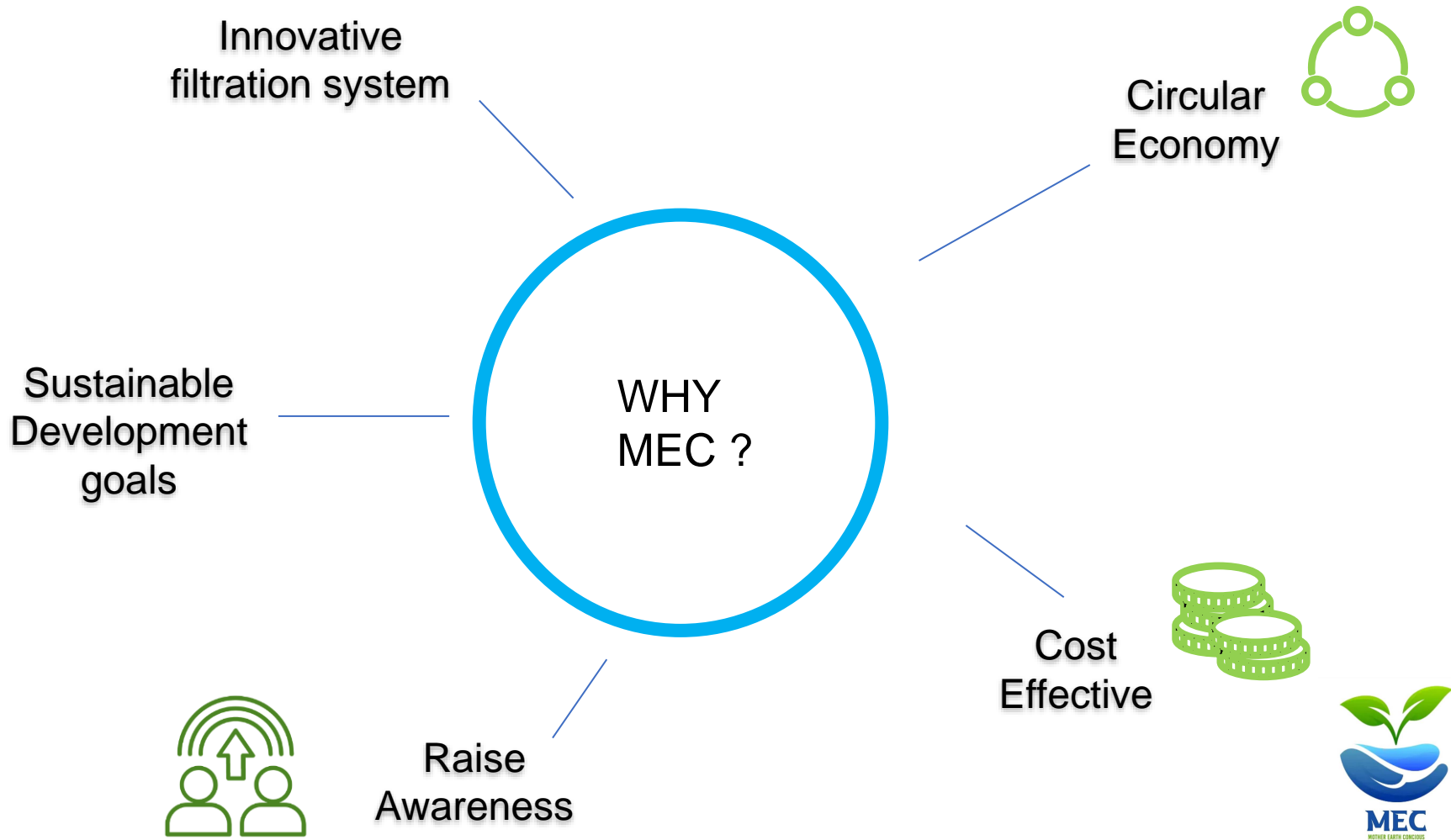
# Objective Tree





# Objective Tree





# Do - Implementation

Our project is divided into 3 main components:

**1. Filtration Drainage nets  
System**

**2. Recycle and Upcycle through  
Circular Economy System**

**3. Raising Awareness among  
members of the public.**



# Location

When choosing the locations, the following criteria were taken into consideration:

- ❖ Feasibility
- ❖ Dimension of the Drains
- ❖ Water Pressure
- ❖ Amount of waste already present
- ❖ Side effects experience such as Floods and Soil erosion





# Material Used

When choosing the materials to be used, the following criteria were taken into consideration:

- ❖ Eco-friendly
- ❖ Cost effective
- ❖ Reusable
- ❖ Durability



# Innovative filtration Drainage nets



# Circular Economy

The wastes collected out of our nets were used to keep resources in use for as long as possible. Maximum value were extracted from them and they were reconverted to new products at the end of each service life.





# Awareness Campaign

To sensitize the Mauritian community about the importance of nature and the urgent need to preserve it, by taking actions accordingly.







## Check

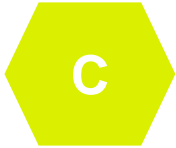
Visit our locations on a regular basis to verify results from our nets.



# Act

## Substitute

The nets will substitute clean up campaign



## Combination

Combine the nets with circular economy

## Adapt

Adapt the nets to all type of weather and according to the drains



## Put to another use

Waste collected will be used again



## Rearrange

Place the nets at the end of the drains



## Modify

Modify the verification of data, by using newest technology (Sensor)

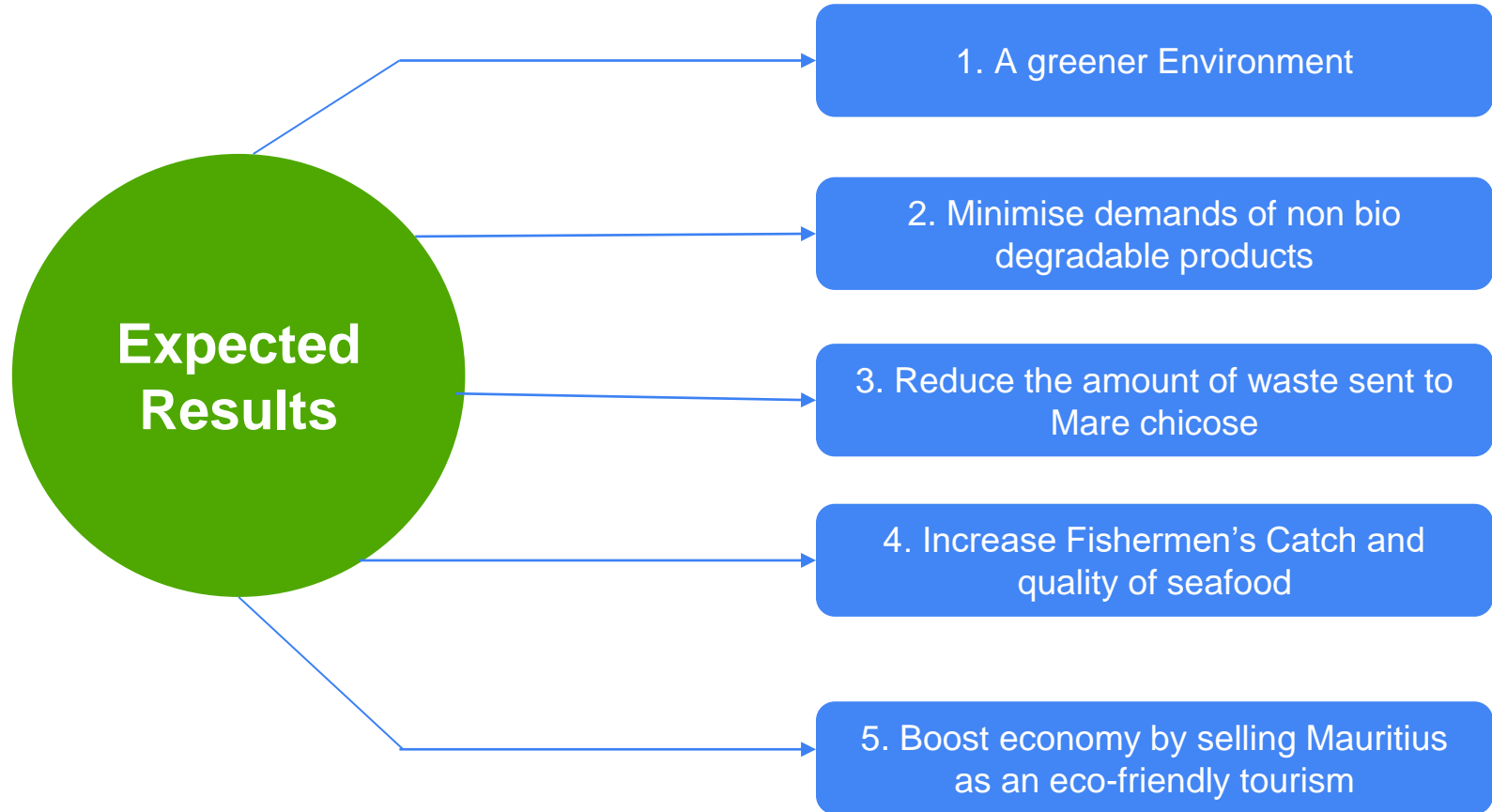


## Eliminate

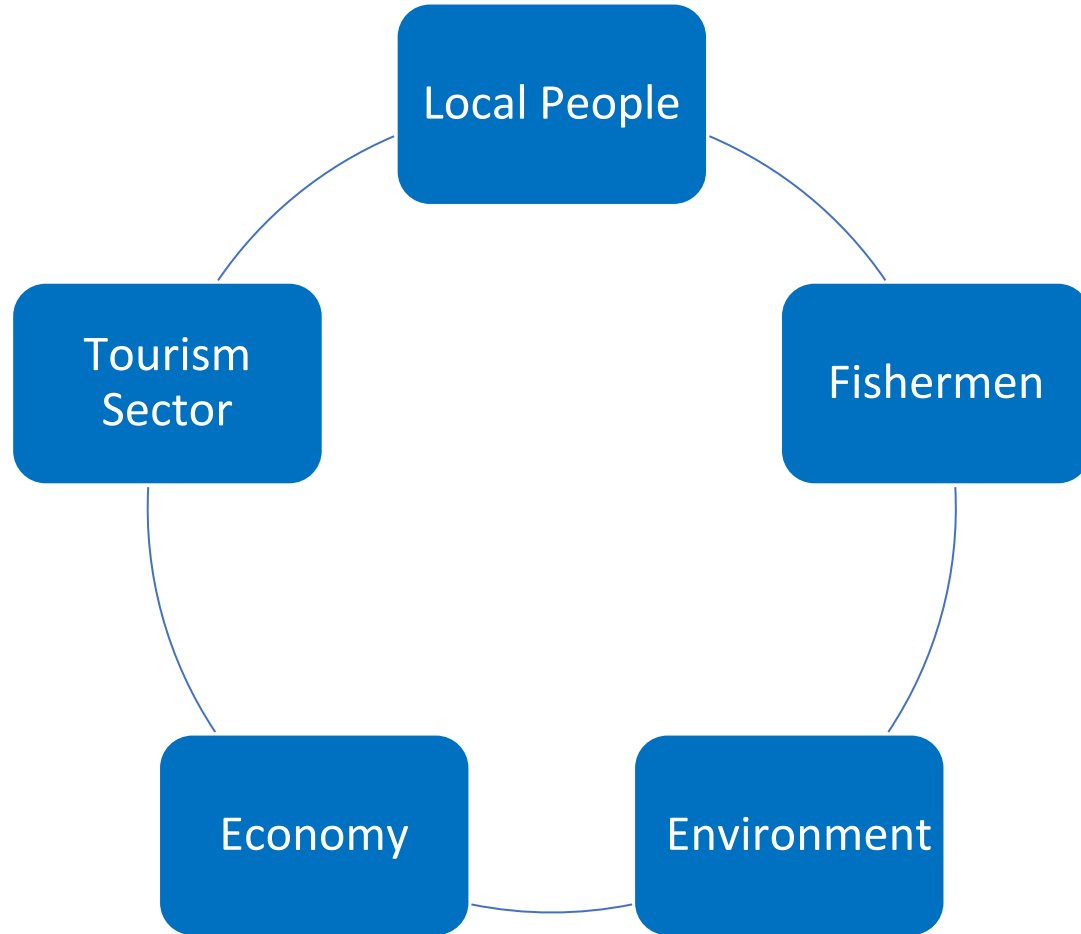
Eliminate any non eco-friendly materials



# Project outcome



# Our beneficiaries





# Sustainability

Implementation of filtration  
drainage nets on a national level

Collaboration with other  
organisations

Sales of recycled products to  
generate funds

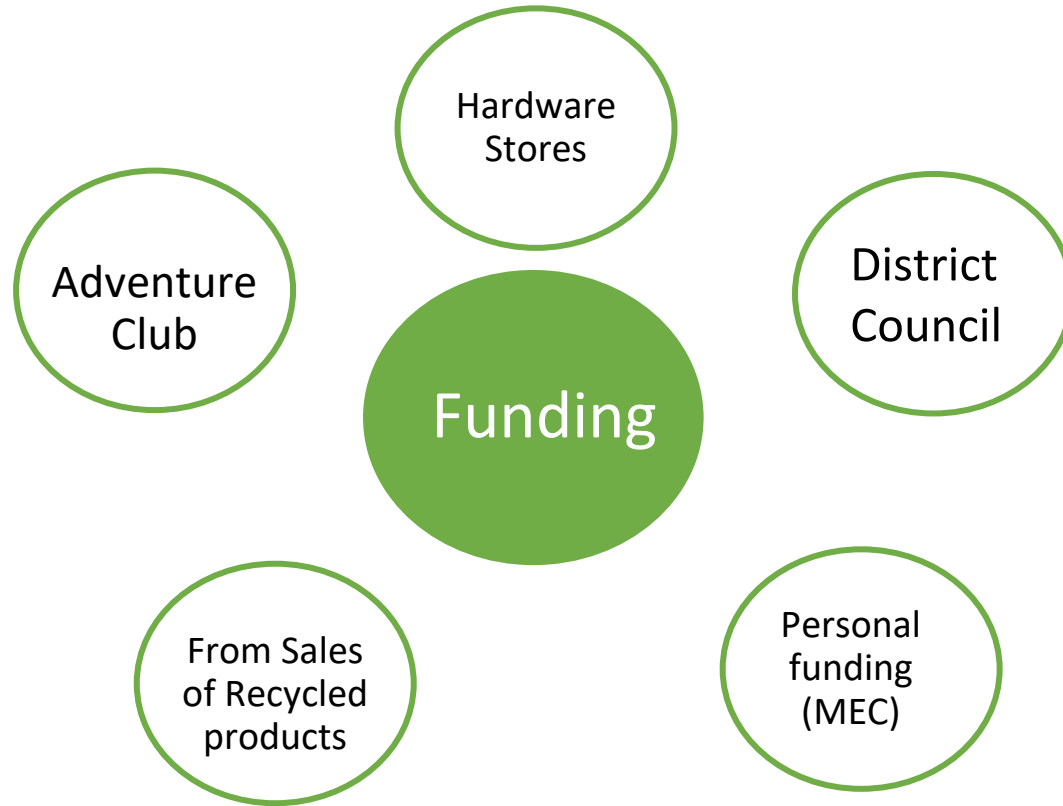
Promote a greener environment  
and working towards  
sustainable development goals

Target a larger audience for  
awareness campaign

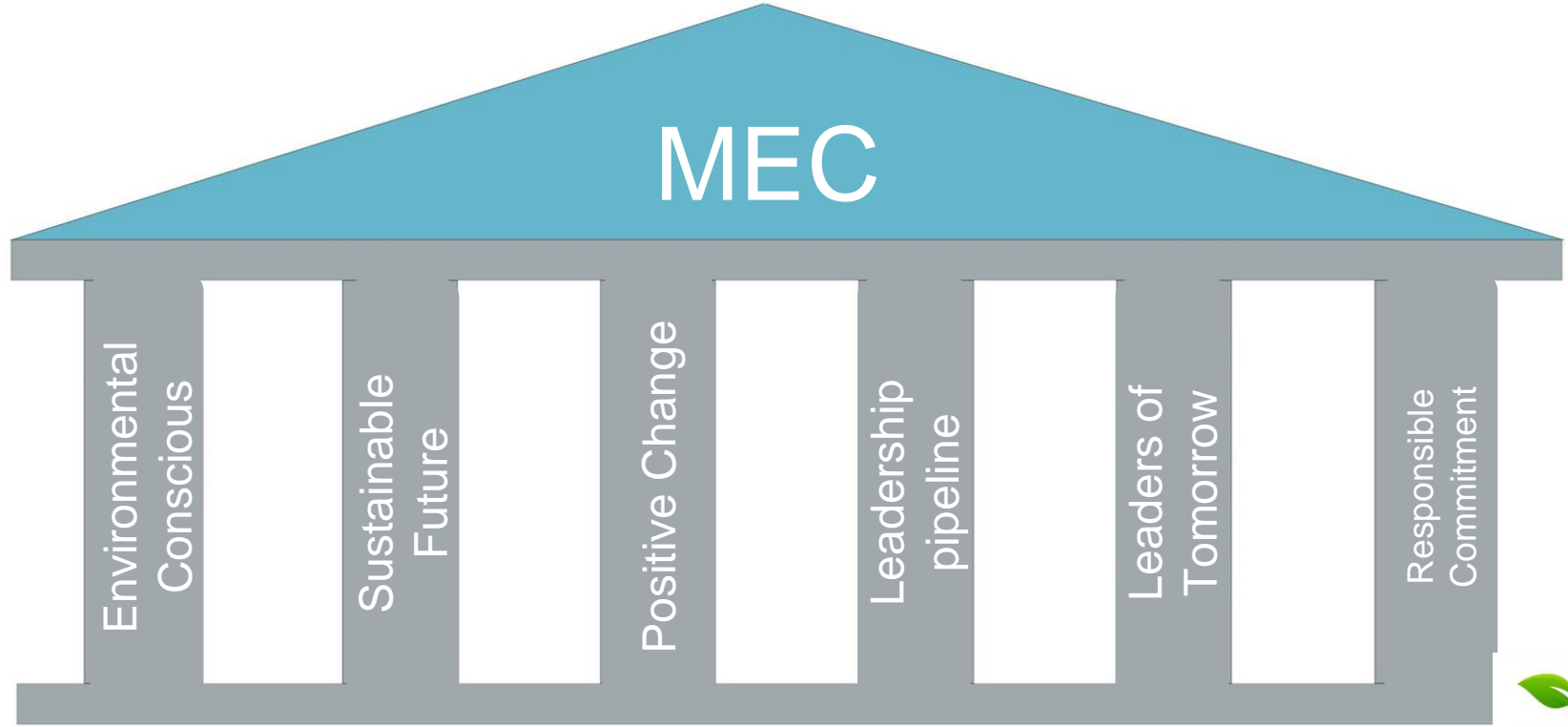
Sensor and application



# Sponsorship



# Leadership Brand



# Conclusion

Mother Earth is suffering in the hand of humankind. MEC have stepped forward to bring a positive change to the environment.







**Thank you for you attention**

