

KIJANI

Inspiration Workshop

GROUP 3



GROUP 3

EDUCATION/ AWARENESS

How might we improve the quality of Environmental Education to promote Sustainable Development in Mombasa ?

- Promote more club activities in schools & institutions e.g 4k club , wildlife clubs
- Benchmarking ; Through exchange programs
- Promote scholarships based on Environmental studies
- Technology & Innovation

**KEY POINTS
HIGHLIGHTED**

GROUP 3

Environmental Education on Blue Economy Awareness

How might we improve the quality of Environmental education to promote Sustainable development in Mombasa?



*A Sustainable Development agenda on Environmental Education
Is the framework of the Water Transport System; Indi-Water way
project.*

*The project Aims at campaigning for the introduction of a short
Marine Pilot Course for public water vessels (Like a Driving
Licences for boats) in our Institutions; Bandari College, Technical
University of Mombasa ,Kenya Navy and Pwani University.
The project aims to ask questions on the Maritime laws and how
they promote and influence Acqua culture.*

1 _____ _____	2 _____ _____
3 _____ _____	4 _____ _____

BENCHMARKS

Who else faces this problem?

How have they attempted to solve it?

How can we help them navigate it?

Look at countries, cities or even neighborhoods that have done well in this field — what can you learn from them?

Who else is facing the same problem ? Generally traffic jams is a global issue in immerging Cities, Solutions vary depending on the City/ Country. In our case we are introducing a Water Transport System to ease the burden that the Road System is bearing alone.

How have they attempted to solve it? Road expansion programs, the introduction of the happy hour system; that allows the free flow vehicles in one direction for a given time(hour)

How can we help them navigate it? How can we help Mombasa or Coast Province in general, is through the introduction and implementation of the water transport system to tackle Traffic jams, Unemployment, Loss of habitat , Loss of revenue and Carbon emissions in town centers.

Countries that have done well in the Water transport system? World

- China
- Russia
- Brazil
- Vietnam

Africa

- DRC Congo
- Papua NG
- Nigeria
- Angola

GROUP 3

Biosketch



Name

WRITE A 40 WORD DESCRIPTION
THAT CAPTURES THE ESSENCE OF
THIS USER

BACKGROUND

AGE, HOW MANY PEOPLE ARE IN THE FAMILY, WHAT
DOES HE/SHE DO FOR LIVING AND WHERE DOES
HE/SHE LIVE?

PHYSICAL MARKERS

WHAT IS HE/SHE
WEARING?

WHAT IS HE/SHE
DOING?

MENTAL MARKERS

FEARS & ANXIETIES

WHAT KEEPS HIM/HER UP AT
NIGHT?

DEEPEST ASPIRATIONS

WHAT DOES HE/SHE DREAM
ABOUT?

WISHES & DESIRES

WHAT MAKES HIM/HER
HAPPY?

WHAT MAKES HIM/HER
FRUSTRATED?

WHAT DOES HE/SHE TALK ABOUT AND ASK
FOR?

WHAT IS HE/SHE THINKING
ABOUT?

NOAH KAHINDI MANASSEH
Bandari College: Student
Course: Nautical Science

Hobbies: Music ,traveling

Opinion on Indi-Water way :-
It is a very good project, it is
long over due; it will help
the employment crisis in
Mombasa .

ARCHIEBOLD MUNUPE
KENYA NAVY
DEPARTMENT : Mechanics
Hobbies: Music, Movies

Opinion on Indi-Water
Way:-
It is a good project and
Kenya has a good shore-
line and economic zones
ready for the Blue
economic business.

FREDERICK KAHINDI MANASSEH
KENYA PORTS AUTHORITY
DEPARTMENT: MARINE ENGINEER

Hobbies: Music ,traveling and food

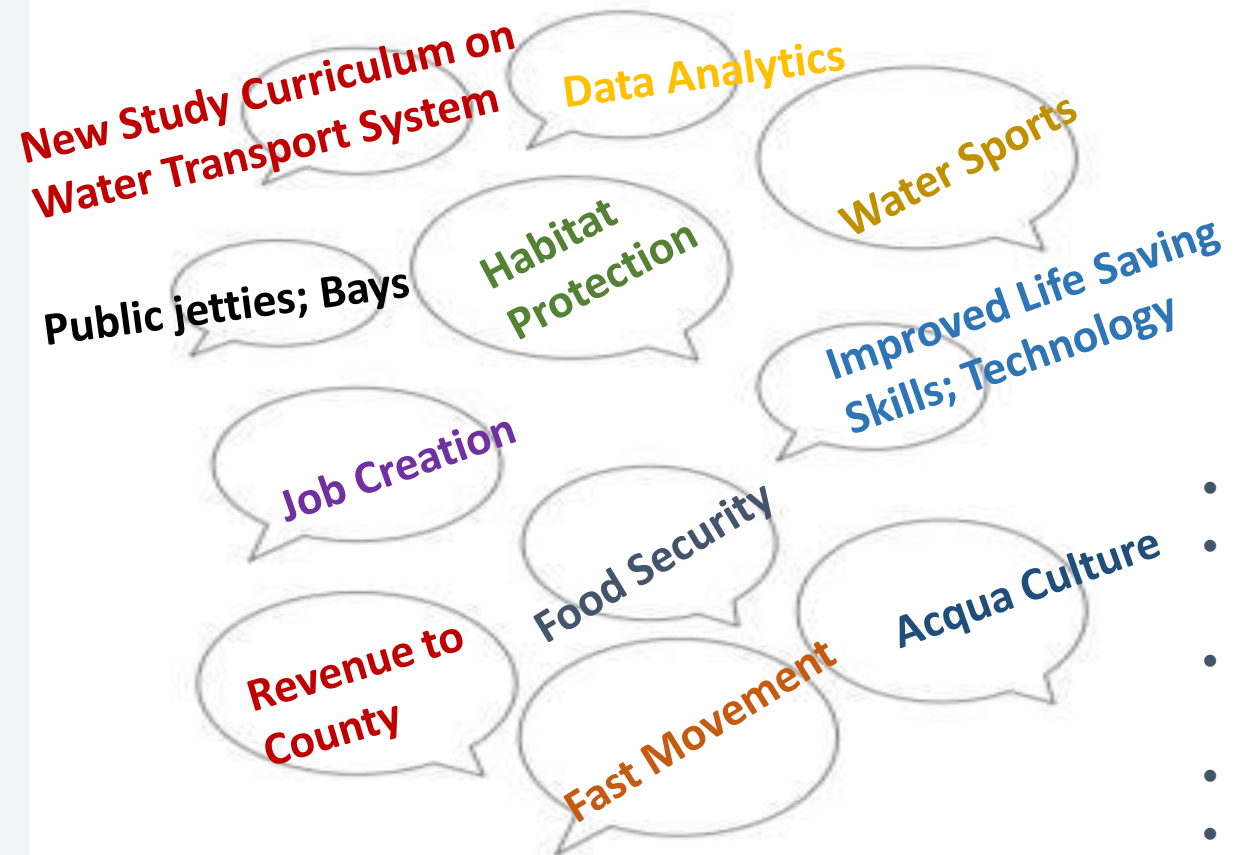
Opinion on Indi-Water way:-
It is a good project, it will boost the
economy through Labor; employment
and it will ease the transport system in
Mombasa.

GROUP 3

Sensemaking

WE HEARD

Write down the opinions and comments (your own and others) from your research



NOW + FUTURE

Represent the situation as you see it now. Draw it here

- Traffic jam
- Loss of revenue
- Carbon emissions
- Waste of natural resources

- Free traffic flow
- Revenue
- Carbon emission control
- Proper use of natural resources

Think of what the situation would look like if the problem were solved. What would it look here? Draw the future you imagined here

- IMPROVED REVENUE COLLECTION
- JOB CREATION ; Sports, Public & Private Commuter boats, Parking bays for Boats, personal hatch etc
- Proper zoning of the beach; swimming area, fishing area, sea weed cultivation area.
- Carbon emission Control regulations
- A generation that majority appreciate Acqua Culture; by introduction of free swimming classes promoted by the state

MEET YOUR STAKEHOLDERS

Who are the people facing / contributing to this problem? Identify at least 3 of the stakeholders and write them down here

State: _____
Licencing
Fines & Penalties

Private: _____
Companies
Personal

Public: _____
Commuter Water-bus
Commuter Boats

Parking
Bays / Jetty : _____
Public
Private

GROUP 3

THE *INDI* WATER WAY



The Modern Water Transport Network

Harbour/Bay Station Designs



GROUP 3



KEY PILARS OF OCEAN GOVERNANCE CURRICULUM

- Sustainability
- Responsibility
- Marine Knowledge
- Legal Certainty
- Level playing field

A proper Legal framework is Key for a Sustainable Environmental Education program to Succeed !

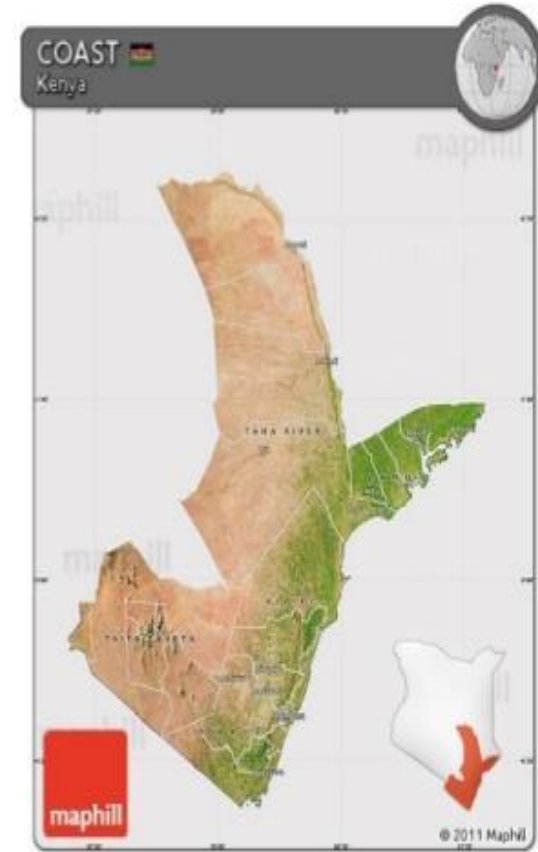
THE OCEAN ECONOMY



The ocean and its resources are increasingly seen as indispensable to addressing the multiple challenges the planet is set to face in the coming decades. By 2050, the world's population is projected to be at least 9 billion, with corresponding demands for food, jobs, energy, raw materials and economic growth.

- Kenya has a 640-kilometre coastline but her coastal and marine resources remain highly under-utilised.
- With all bays and inlets included, Kenya's coastline extends 880 kilometres, greater than the distance from Nairobi to Moyale.
- Add the Exclusive Economic Zone spanning 230,000 square kilometres and stretching 200 nautical miles offshore, about half of the country's total land area.

This is just a pointer to the massive economic potential of this vast natural resource.



“The DRC Congo; our New Sister Country is a landlocked country but Leads in Water Transport system in Africa.”



GROUP 3 TEAM MEMBERS

ARCHIEBOLD SONGORO MANASSEH

KELVIN ANDREW KACHILA