



NET Africa

NATURAL ENVIRONMENT TECHNOLOGY

Lake Basin **Inclusive** Management System LBiMS **Simulation**

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Lead Environmental Auditor
ISO 14001:2015





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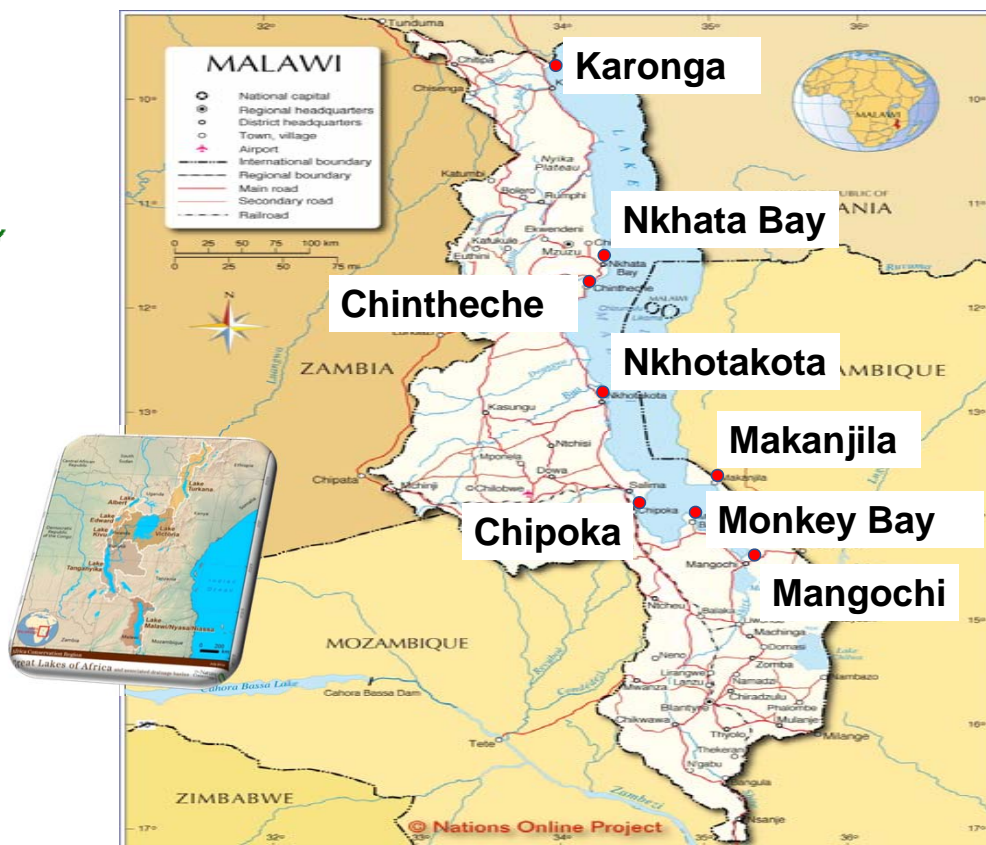
LBiMS
Lake Malawi Simulation

DATA & MAPPING

DIGITAL LIBRARY

STAKEHOLDER

GOVERNANCE





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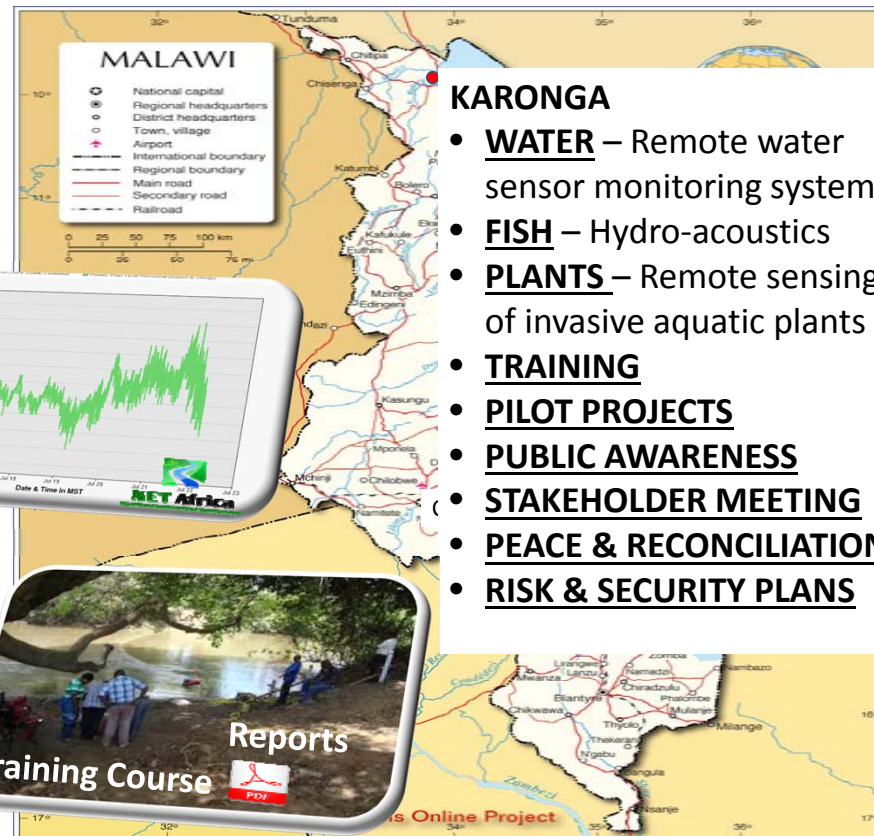
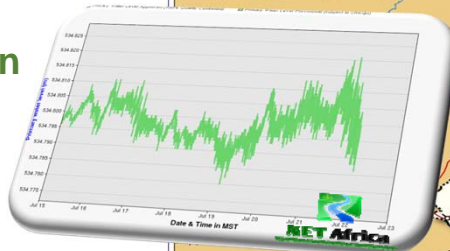
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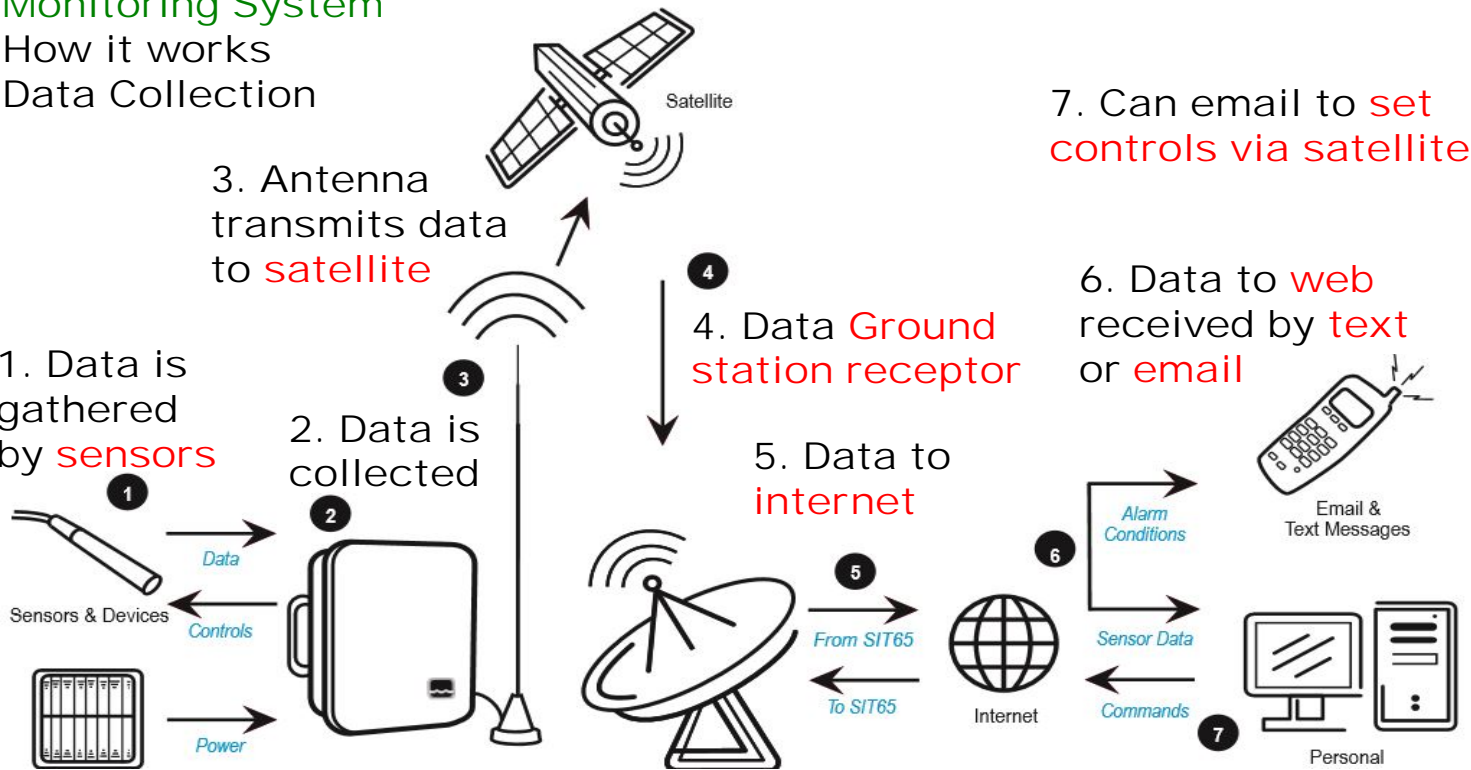


KARONGA

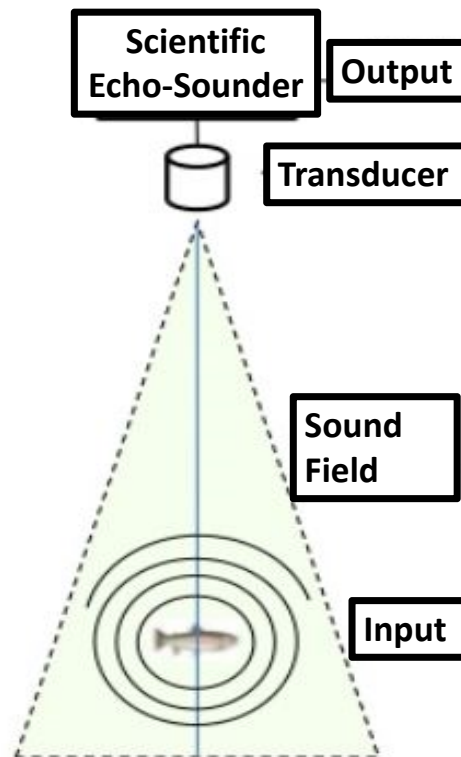
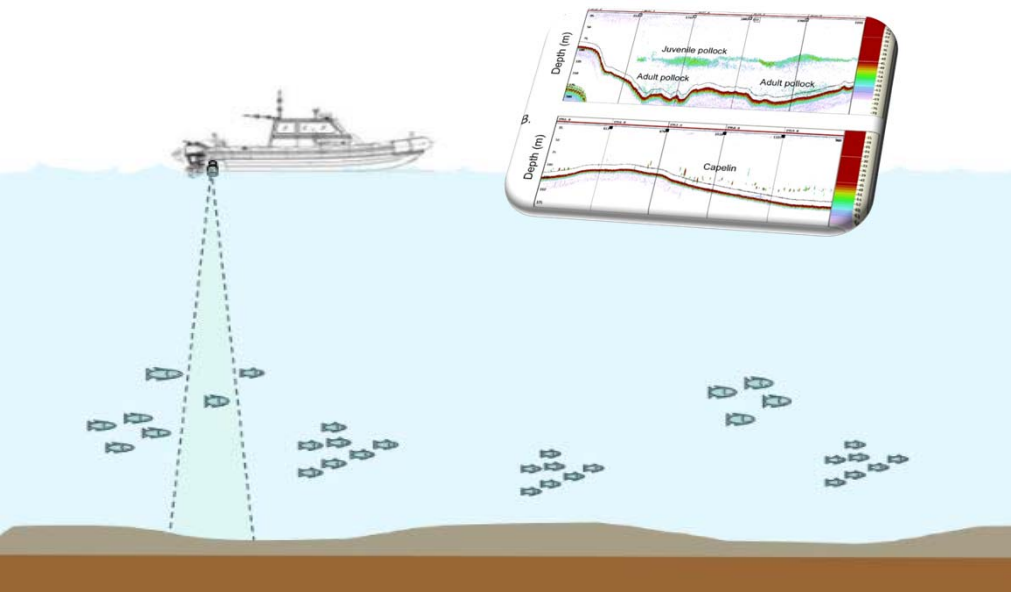
- **WATER** – Remote water sensor monitoring system
- **FISH** – Hydro-acoustics
- **PLANTS** – Remote sensing of invasive aquatic plants
- **TRAINING**
- **PILOT PROJECTS**
- **PUBLIC AWARENESS**
- **STAKEHOLDER MEETING**
- **PEACE & RECONCILIATION**
- **RISK & SECURITY PLANS**

Remote Water Monitoring System

How it works
Data Collection



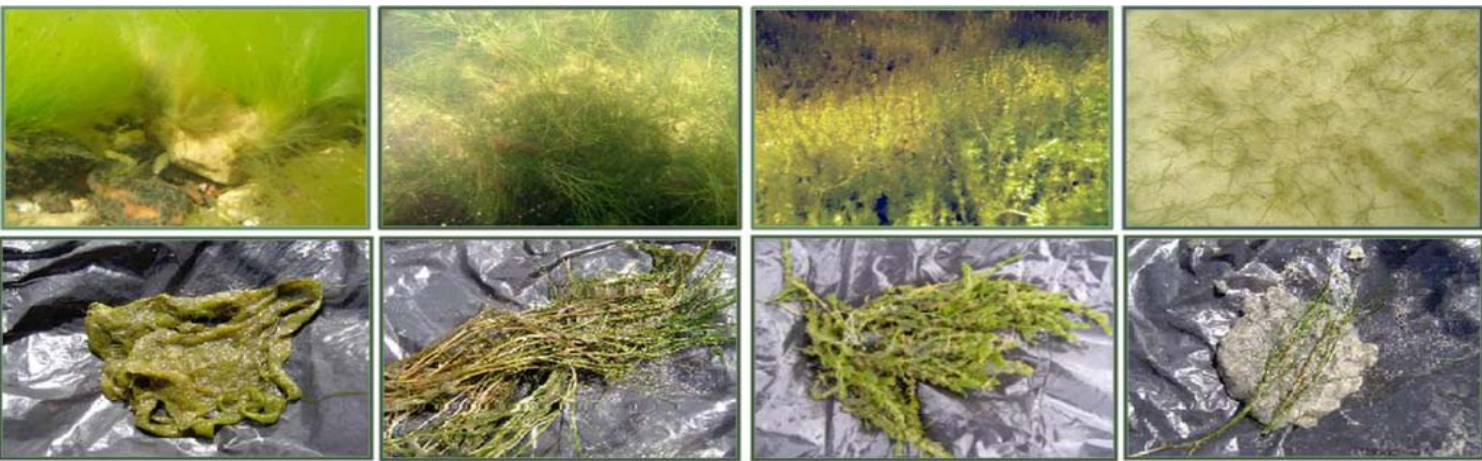
Hydro Acoustics
Monitoring System
How it works
Data Collection



Aerial photography and remotely sensed imagery of aquatic plants

How it works

Data Collection



(a)
Algae

(b)
Plant habitats

(c)
Charophyte

(d)
Higher Order Plants



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AFRICAN GREAT LAKES DIGITAL LIBRARY

- INDIGENOUS KNOWLEDGE SYSTEMS ON PEACE AND RECONCILIATION
- SPECIES OF PLANTS – DATA BANK
- SPECIES OF FISH – DATA BANK
- TYPE OF ANIMALS – DATA BANK
- DEFORESTATION – DATA BANK
- FARMING – DATA BANK
- FISHERMEN – DATA BANK



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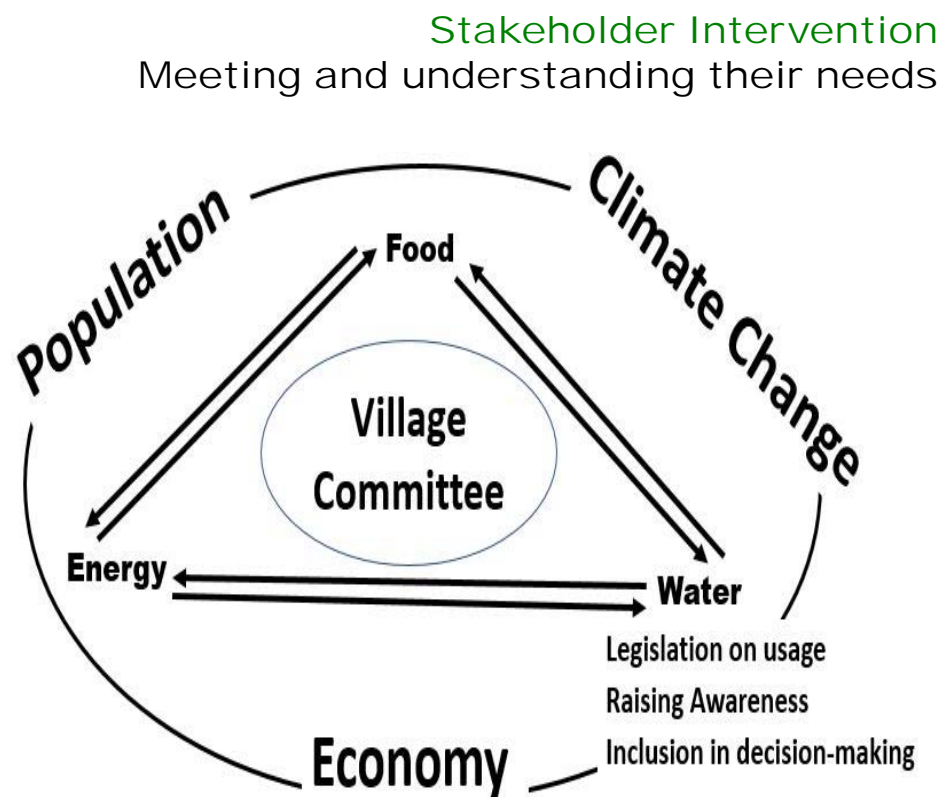
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GOVERNANCE



GOVERNANCE TABLES

C = Completed I = Incomplete
Assess = Assessment



	Position	Assess	Training	Audit
Leadership	I	YES	YES	YES
Stakeholder	I	YES	YES	YES
Planning	I	YES	NO	YES
Support	I	YES	YES	YES
Operation	I	YES	NO	YES
Performance Evaluation	I	YES	YES	YES
Improvement	I	YES	NO	YES
Finance	I	YES	YES	YES

LEADERSHIP (Commitment & Coordination)

C = Completed

I = Incomplete

Asses = Assessment

	Position	Asses	Training	Audit
Joint Environmental Policy	C	YES	YES	YES
Joint Strategic 5-10 Year Plan	C	YES	YES	YES
Joint Agreement on roles & responsibilities	I	YES	NO	YES
Joint Agreement on financial, human and material resources	I	YES	YES	YES
Joint Agreement on Performance Evaluation	I	YES	NO	YES



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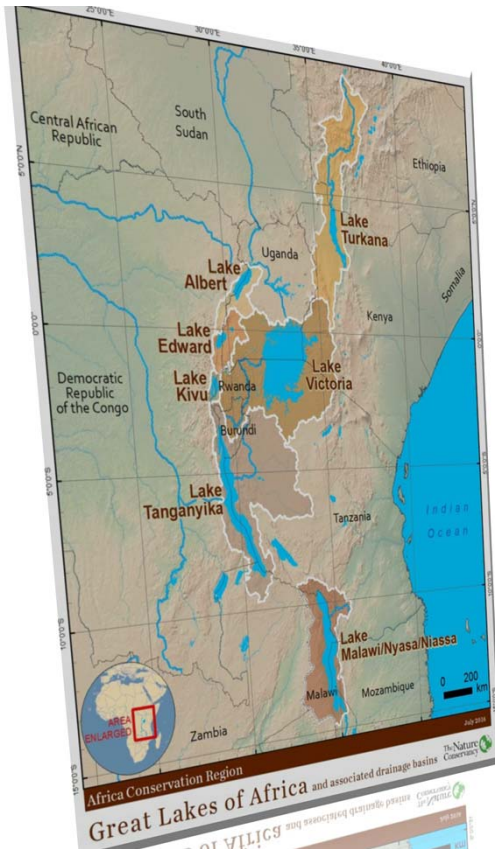
STAKEHOLDER

GOVERNANCE

FINANCE (Sustainable Funding Model) Sustainable Funding Model = Strong Governance

L + S + P + SU + O + PE + I + F = Sustainable Funding

	Score from assessment	Risk = 0-1	Potential = 2+	Good = 4+
Leadership	2/5		●	
Stakeholder	3/5		●	
Planning	4/5			●
Support	1/5	●		
Operation	2/5		●	
Performance Evaluation	1/5	●		
Improvement	2/5		●	
Finance	1/5	●		



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Thank You