

# Mangroves and Livelihood: An assessment of livelihood projects in the mangrove ecosystem along the Kenyan Coast



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## Introduction

- ✧ The coastal people have strong economic ties with the coastal ecosystem
- ✧ Their main livelihood is mainly marine based
- ✧ Mangroves form an important ecosystem along the Kenya's coast
- ✧ The Kenyan coastal population is 3.3M, this has shown a 22.6% increase from 1999 to 2009
- ✧ Increased population poses a challenge to resource sustainability
- ✧ Initiating livelihood projects have been necessary to complement or replace existing activities

## Objectives

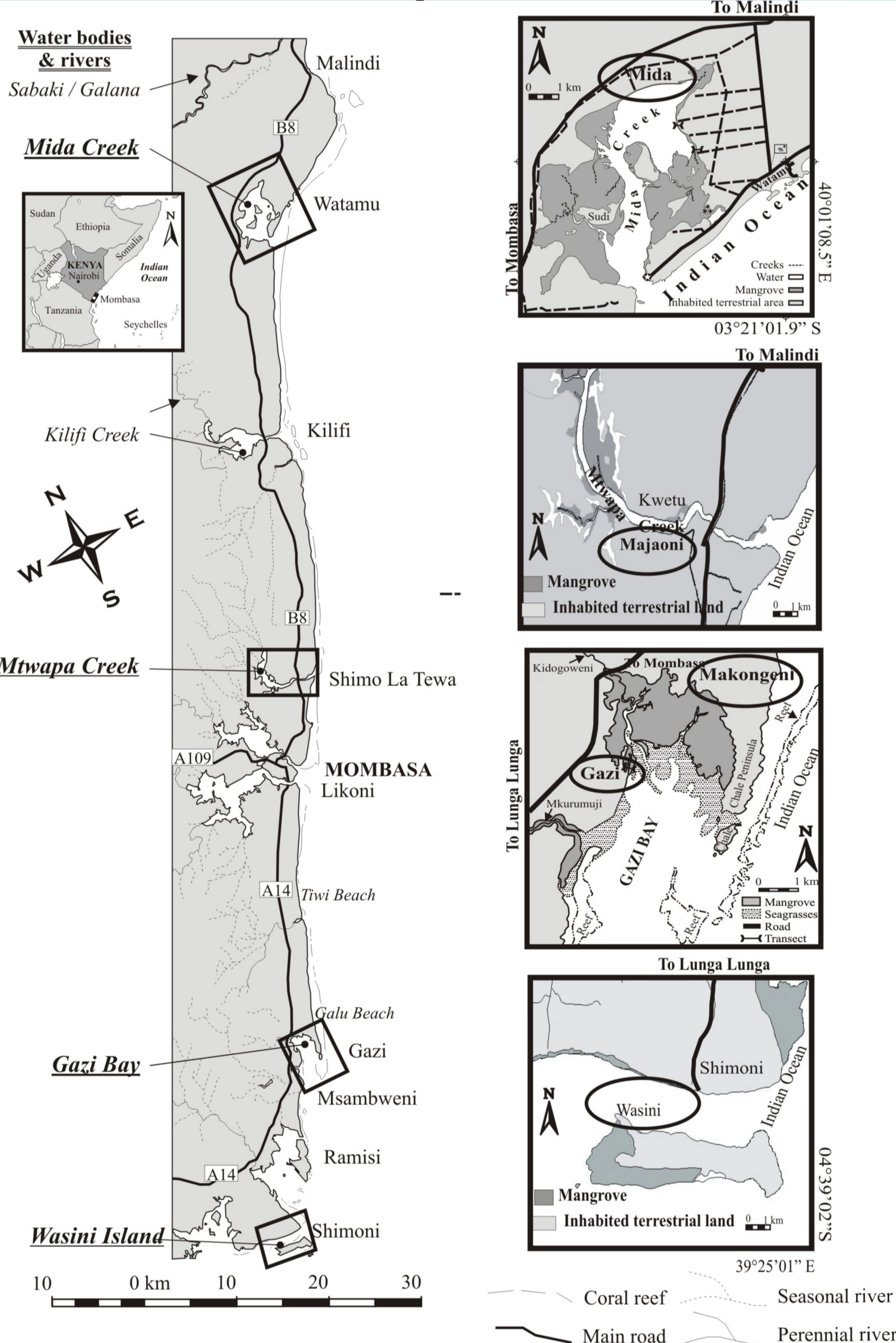
### Overall objective:

Assess the **feasibility** and **sustainability** of livelihood projects in the mangrove ecosystem along the Kenyan Coast

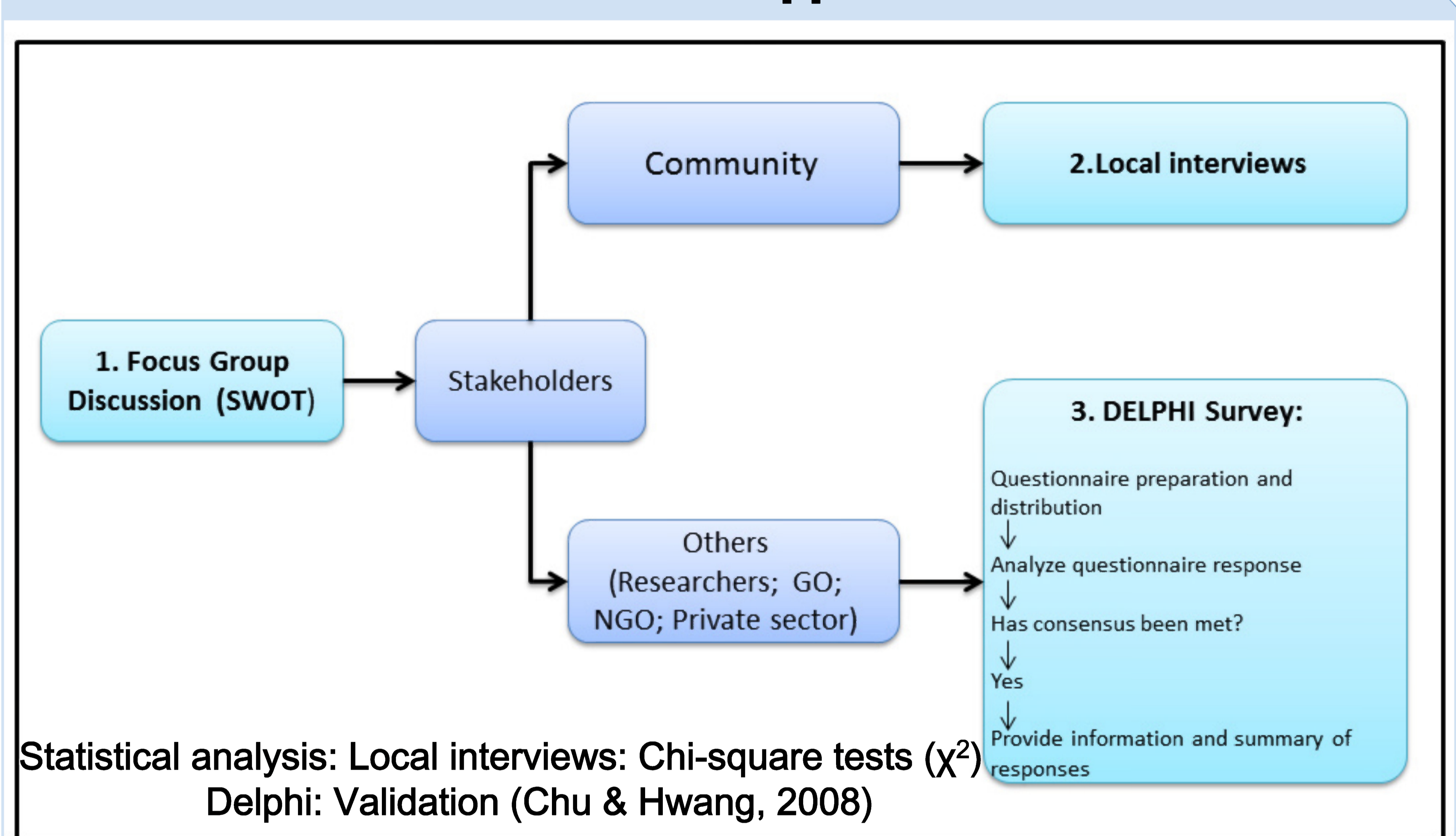
### Specific objectives:

- ✧ To **identify** the livelihood projects
- ✧ To assess the **status/condition** of the livelihood projects
- ✧ To conduct a **SWOT** analysis of identified livelihood projects
- ✧ To identify the causes of **failure** or **success** of the livelihood projects

## Study area

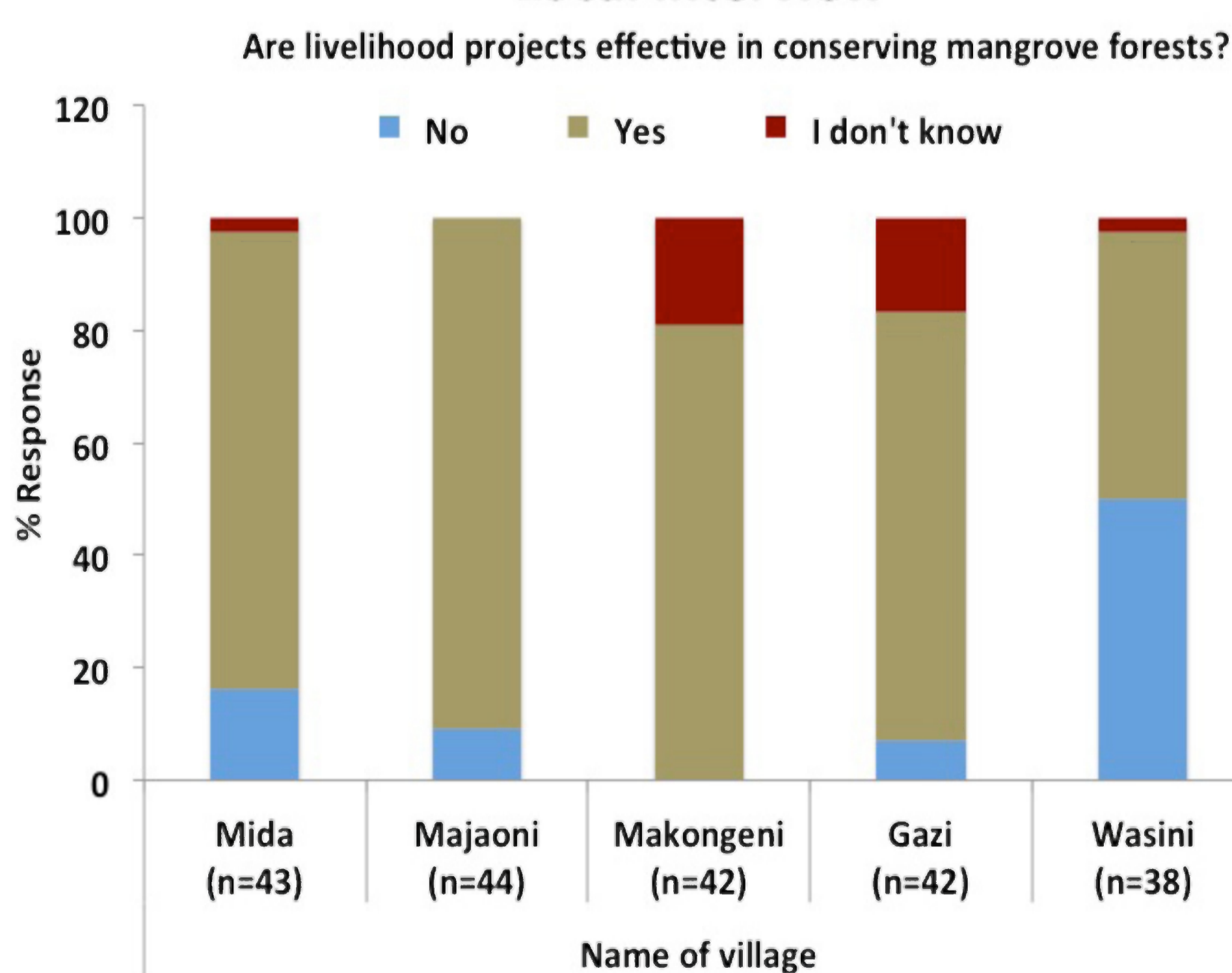


## Research approach



## Results and Conclusion

### Local interview



### Delphi Survey

	Frequency	Rating mean (qi)	Standard deviation (SD)	Quartile deviation (Q)
<b>Rating scale of agreement</b>				
Is conflict of interest a challenge facing all projects?	5	4.6	0.55	0.5
Is corruption a challenge facing all projects?	5	3.4	1.67	1
<b>Rating scale of importance</b>				
<b>Challenges on ecotourism</b>				
Poor marketing	11	4.5	0.69	0.5
Lack of transparency	11	4.2	0.60	0.25
Accountability	11	4.4	0.50	0.5
<b>Challenges on aquaculture</b>				
Lack of ownership	8	4.1	0.99	0.5
Site selection	8	4.5	0.53	0.5
Lack of technical skills	8	4.8	0.46	0.13
<b>Challenges on beekeeping</b>				
Lack of technical skills	9	4.2	0.97	0.5
Prolonged drought	9	3.9	0.93	0

Consensus:  $Q \leq 0.5$  &  $(qi) \geq 3.5$  or  $(qi) \leq 3.5$

### Identified livelihood activities:

Beekeeping, Mariculture and Ecotourism

**SWOT Analysis:** *Strength* – Healthy mangrove forest; *Weakness* – Un capacitated members; *Opportunity* – Diversifying activities; *Threat* – Illegal mangrove cutting

### Conclusion

- ✧ Potential mangrove-related projects are significant in mangrove conservation
- ✧ Established challenges which if not properly addressed would affect project management
- ✧ Study covers the actual situation and the perception of SWOT