The background of the slide is a faded, grayscale image of a university campus. In the center is a large, classical-style building with a portico supported by columns. To the left, there is a large, ornate stone statue on a pedestal. The scene is set outdoors with trees and a paved area in the foreground.

Structural Equation Modelling of Wellbeing: A Case of Fishers in the Western Region of Ghana

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Outline of Presentation

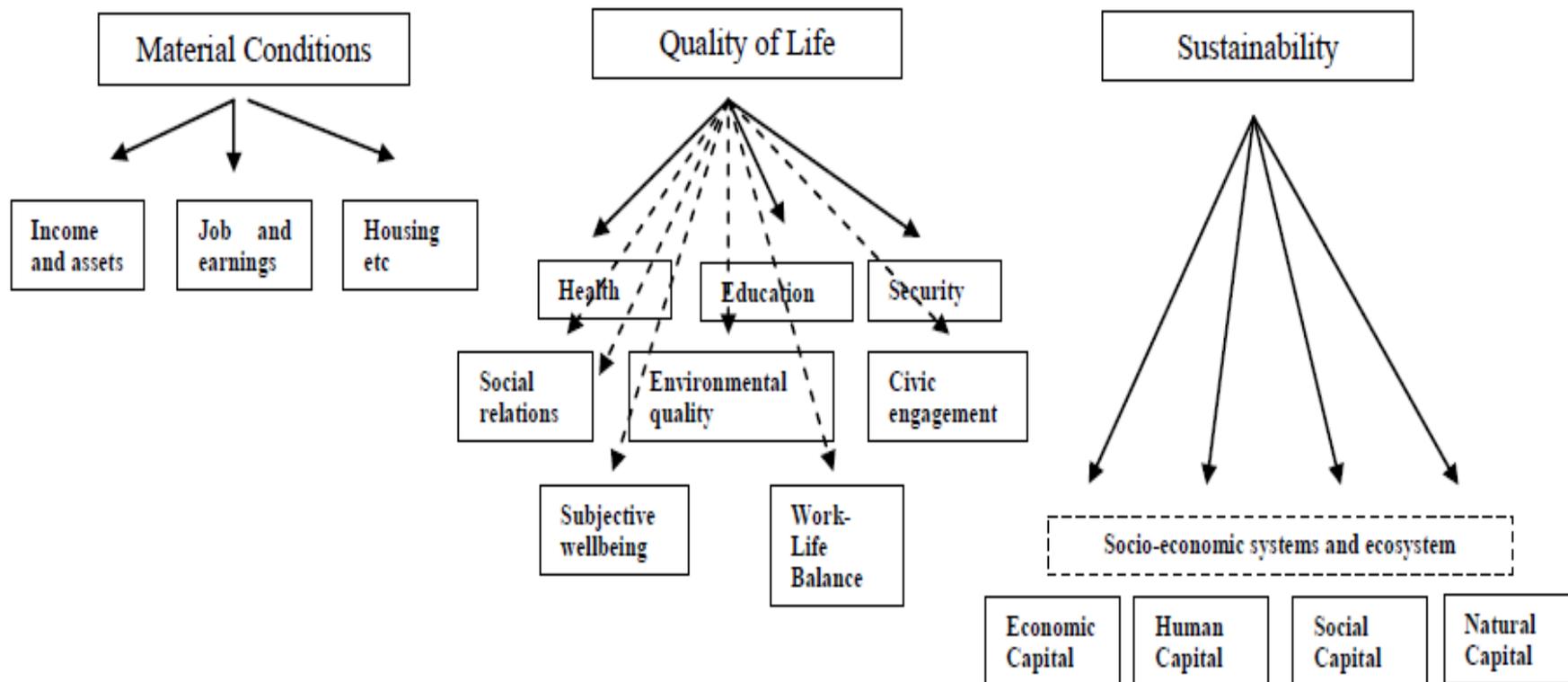
- Background of Study
- Methodology
- Results and Discussions
- Conclusions



Background of Study

- **Wellbeing:** concept common to economics, psychology, sociology, and other social sciences.
- Frequently tied to financial status, yet broader than economic or material wellbeing alone
- Smith and Clay (2010) note that job satisfaction is often more important than income to fishers
- Their project considers the concept of *wellbeing* in a three-dimensional approach:
 - Material dimension
 - Quality of Life dimension
 - Sustainability dimension.

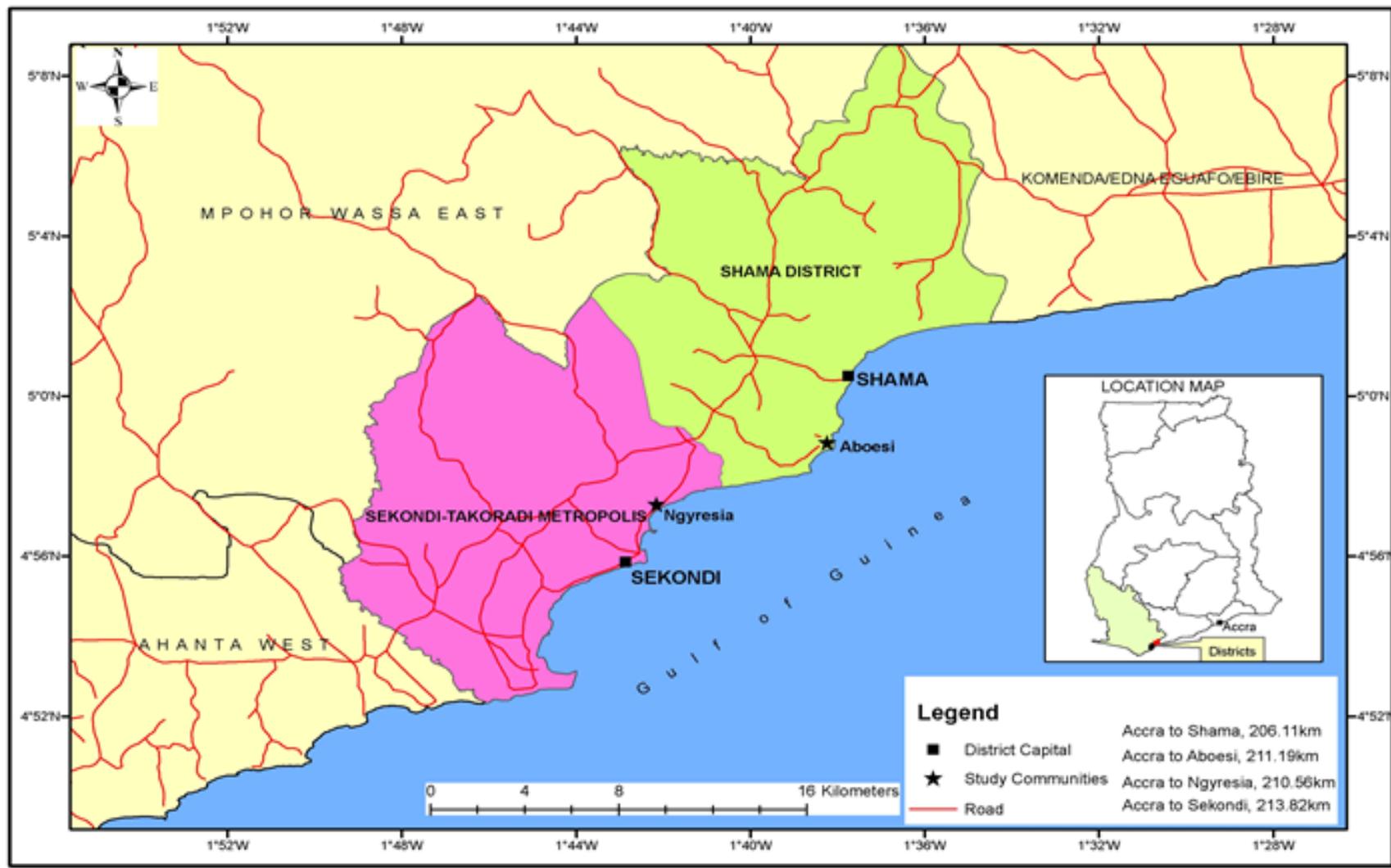
Methodology



- **Descriptive analysis, PCA and SEM** were employed to assess the effect of indicators on wellbeing



The Ghana Case Study



Activities of Smaller Canoes



Activities of Bigger Canoes



Activities of Processors



Indicators on Wellbeing (PCA)



Item	<u>Principal Loadings on Major Constructs</u>		
	Component 1	Component 2	Component 3
Material Conditions Dimension (MCD)			
Income and Assets (IA)	0.91848	0.31284	0.24191
Job and Earnings (JE)	0.94321	0.19291	0.27045
Housing and Related Infrastructure (HRI)	0.95093	0.28853	0.11176
Quality of Life Dimension (QLD)			
Environmental Conditions (EC)	0.35620	0.67692	0.25710
Health status and facilities (HSF)	0.35620	0.57917	0.10083
Empowerment and motivations (EM)	0.10461	0.84982	0.06052
Subjective wellbeing (SW)	0.19624	0.56341	0.16707
Empowerment and motivations in crisis (EMC)	0.16728	0.55413	0.36483
Social Connections in times of crisis (SCC)	0.16728	0.56334	0.45428
Personal and Household Vulnerability (PHV)	0.10719	0.70807	0.15240
Meaning and spirituality (MS)	0.42669	0.77562	0.46105
Social Connections (SC)	0.10838	0.54738	0.26993
Education and skills (ES)	0.25710	0.71486	0.08694
Sustainability Dimension (SD)			
Economic Capital (ECAP)	0.5033	0.3024	0.5737
Natural Capital (NCAP)	0.5415	0.2413	0.7780
Social Capital (SCAP)	0.3527	0.4732	0.7777
Human Capital (HCAP)	0.4950	0.1237	0.5270
Eigenvalue	5.94425	3.96996	4.30274
% of variance	32.08	54.79	13.13

Source: Field Survey, 2014



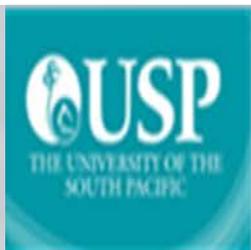
Indicators on Wellbeing (SEM)

Constructs and Indicators	Coef.	t - Value	P - Values
<u>Material Condition Dimension (MCD)</u>			
Income and Asset (IA)	0.006317	0.59	0.557
Job and Earnings (JE)	0.0979281***	4.16	0.000
Housing and Related Infrastructure (HRI)	0.0470451***	3.51	0.000
<u>Quality of Life Dimension (QLD)</u>			
Environmental Conditions (EC)	0.0664131	0.81	0.416
Empowerment and motivations (EM)	-0.0065948	-0.15	0.882
Personal and Household Vulnerability (PHV)	-0.0143412	-0.40	0.690
Meaning and spirituality (MS)	0.1873676***	2.74	0.006
Education and skills (ES)	0.1208669***	3.41	0.001
<u>Sustainability Dimension (SD)</u>			
Natural Capital (NCAP)	0.1361829**	2.37	0.018
Social Capital (SCAP)	0.1488387**	2.08	0.038
<u>Exogenous/Endogenous Path</u>			
a. MCD → WELLBEING [H_1 is Supported]	5.995521***	6.85	0.000
a. QLD → WELLBEING [H_2 is Supported]	2.882388***	3.58	0.000
a. SD → WELLBEING [H_3 is Supported]	4.855641***	2.69	0.007
a. MCD ↔ QLD [H_4 is Not Supported]	2.857037	1.55	0.121
a. MCD ↔ SD [H_5 is Supported]	2.851115***	5.75	0.000
a. QLD ↔ SD [H_6 is Supported]	0.679252***	2.85	0.004

Conclusion



- Fishers have a strong bonding with the fisheries resources therefore getting communities out of fishing is not a route to reduce pressure on the resource
- Material condition, quality of life and sustainability aspects of wellbeing are very important to fishers
- *Measures should aim to diversify skills, make the fishing communities habitable with basic amenities so as to attract investment that offer alternative opportunities for fishers.*

A background image of a fishing harbor. In the foreground, the silhouettes of two people are visible. In the middle ground, several small wooden fishing boats are on the water. In the background, a large industrial structure, possibly an offshore platform, is visible on the horizon under an overcast sky.

**Thank you for your
attention**