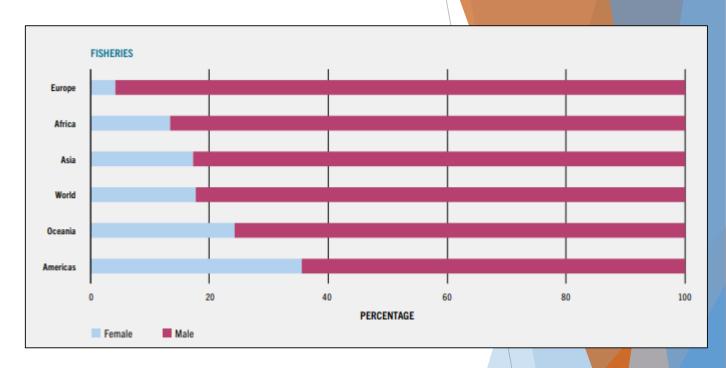


- Gender qualitative and interdependent character of women's and men's position in society (FAO,2017).
- Globally in the post harvest sector, women accounts for just over 50% of full time employment and 71% of part time employment.
- About 36.9% employed throughout the small scale fisheries value chain &49.8% of the post-harvest workers were women.
- Secondary sector stakeholders- form major work force in marine fisheries sector; fisher folks are exclusively involved in fishery related activities in the pre or post harvest sector.

INTRODUCTION

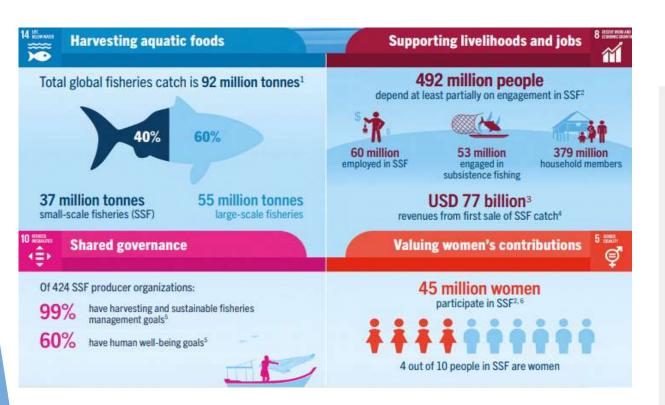


Sex disaggregated data on employment in fisheries sector by region, 2020, FAO

State	Marketir	ng of fish	Making/Rep	pairing Net	Curing/ Pr	rocessing	Pee	ling	Labo	urer	Othe	rs*
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
West Bengal	2,148	2,146	2,702	15,354	534	1,252	402	1,060	3,670	3,114	149	89
Odisha	7,443	12,782	6,293	3,028	721	6,783	291	4,399	7,268	8,954	2,982	7,729
Andhra Pradesh	4,374	24,948	3,908	598	1,039	13,697	255	2,999	4,982	27,507	2,112	2,294
Tamil Nadu	2,337	33,498	5,164	4,018	880	5,903	432	3,636	10,345	6,174	2,221	2,700
Puducherry	69	3,375	310	22	20	230	19	46	1,847	481	275	126
Kerala	3,034	15,629	1,038	1,491	332	8,174	253	20,924	3,793	1,606	5,166	3,307
Karnataka	1,506	12,702	388	96	126	204	159	1,911	4,550	1,496	1,117	537
Goa	105	1,530	189	17	5	0	1	1	168	17	288	422
Maharashtra	2,950	53,603	3,659	1,372	192	6,010	225	3,338	7,689	3,291	4,201	8,322
Gujarat	3,703	19,475	1,894	2,340	621	870	424	4,627	9,371	9,698	1,215	661
Daman & Diu	3	506	4	3	4	0	0	0	80	32	0	0
Lakshadweep	306	432	245	65	179	495	19	684	104	24	0	0
Andaman & Nicobar	573	1,060	341	124	16	5	34	18	104	118	0	0
Total	28,551	1,81,686	26,135	28,528	4,669	43,623	2,514	43,643	53,971	62,512	19,726	26,187

*Includes persons engaged in auctioning, ice breaking, collection of bivalves, collection of other shells, collection of seaweed, collection of ornamental fish etc.

- Secondary sector involves all gamut of activities once the fish has landed.
- Major workforce women workers in operations such as sorting, loading, unloading, fish vending and also men involved in activities such as fish vehicle driving, wholesalers, retailers, gear makers etc.
- About 94% of all those engaged in capture fisheries operate in small scale fisheries, including an estimated 45 million women.
- Current obstacle lack of gender disaggregated data on all aspects of women's role and participation in fisheries sector.



Contribution of small-scale fisheries (SSF) to sustainable development



GENDER EQUALITY AND EQUITY

WOMEN AND A CHANGING TIDE

SOCIAL SUSTAINABILITY

Decent living and working conditions are

essential for small-scale

fishers, fishfarmers and

livelihoods and maintain

their social, cultural and

physical well-being.

fishworkers to secure

LIVING WELL

ENVIRONMENTAL SUSTAINABILITY

As custodians of shared

resources, fishers,

fishworkers have a

fundamental role in

management and

their supporting ecosystems.

ensuring the responsible

sustainable use of living

aguatic resources and

fishfarmers and

RESOURCE STEWARDS

ECONOMIC

SUSTAINABILITY

Access to markets,

infrastructure and

inclusive value chains

fishworkers to better

economic development

provide affordable

high-quality fish

products, foster

and generate

employment.

appropriate

enable fishers,

fishfarmers and

VALUE FOR ALL

Acknowledging the role women play in small-scale artisanal fisheries and aquaculture is essential to women's empowerment and sustainable development.





all-scale artisana uaculture have a damental role in products as part of



AWARE AND PREPARED

Fishers, fishfarmers and fishworkers are among the world's most vulnerable to environmental degradation, shocks, disasters and climate change. Policies and actions should support building resilience to these threats for the long-term continuity of the sectors.

SOURCE: FAO, 2021. International Year of Artisanal Fisheries and Aquaculture 2022 Global Action Plan. Rome. www.fao.org/3/cb4875en/cb4875en.pdf

















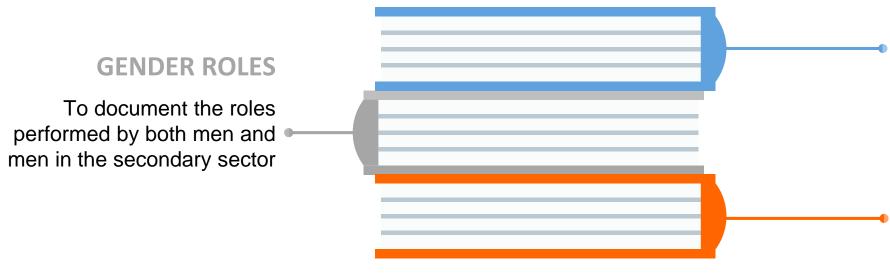








RESEARCH OBJECTIVES



PROFILE

To study the profile characteristics of both men and women engaged in post harvest operations

VARIABLES

To investigate the significance of association between gender with respect to dependent and independent variables

METHODOLOGY

Sampling method-Random sampling

Sample size-Total 60; 31 women and 29 men engaged exclusively in secondary sector

Methods of data collection- Personal interviews and Focus **Group Discussions**

Methods of data analysis-Using SPSS. Chi square test was used

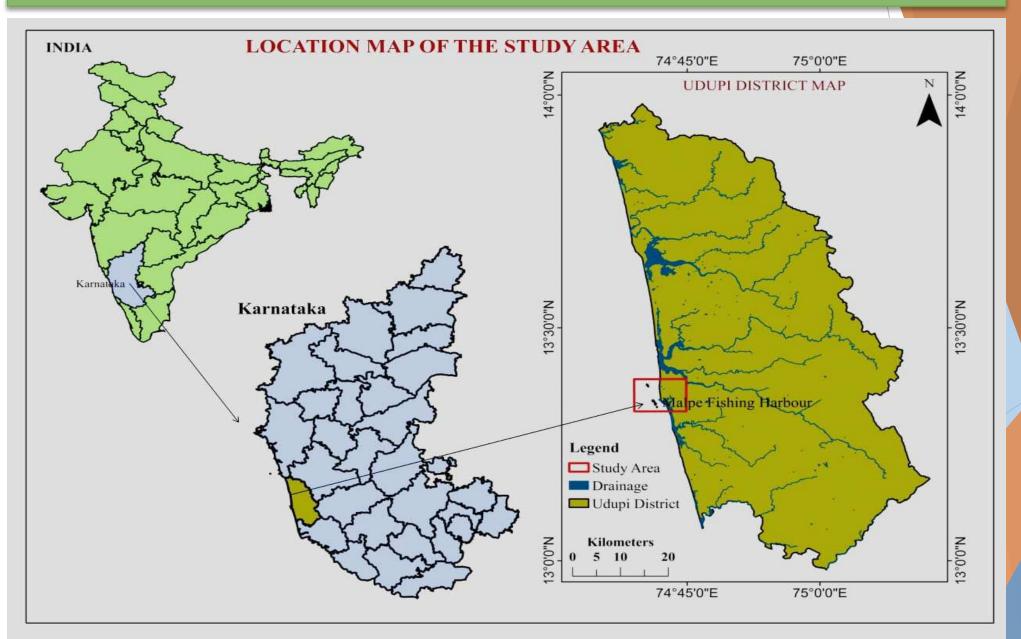
Locale of research-Malpe harbor of Udupi district, Karnataka, India





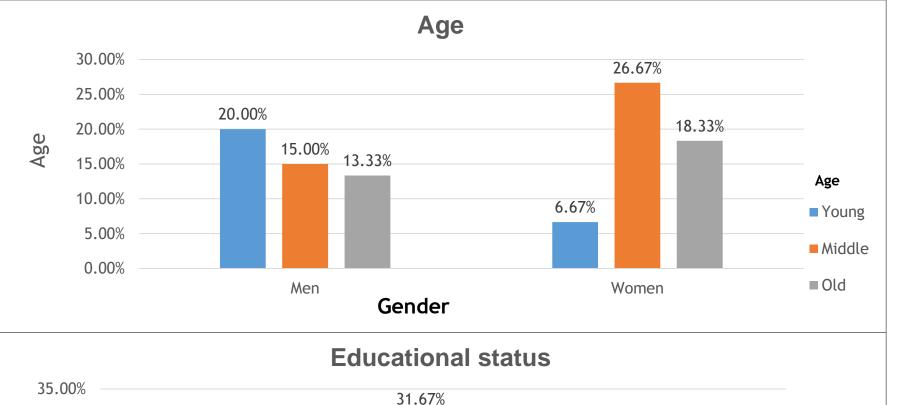


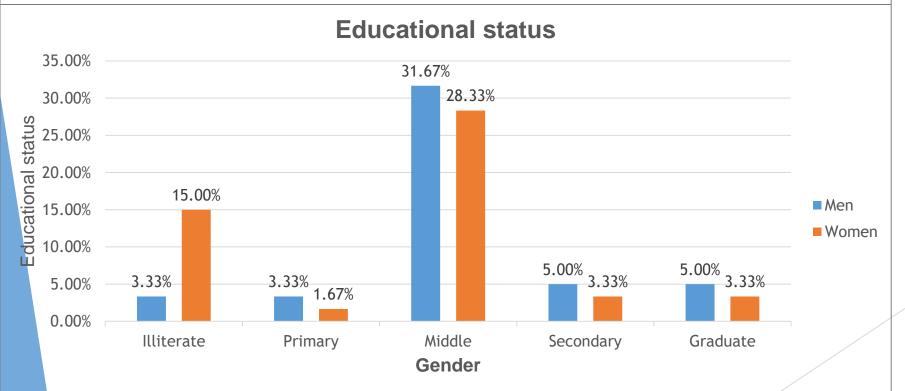
LOCALE OF THE STUDY- Malpe Fishing harbor, Udupi district, Karnataka

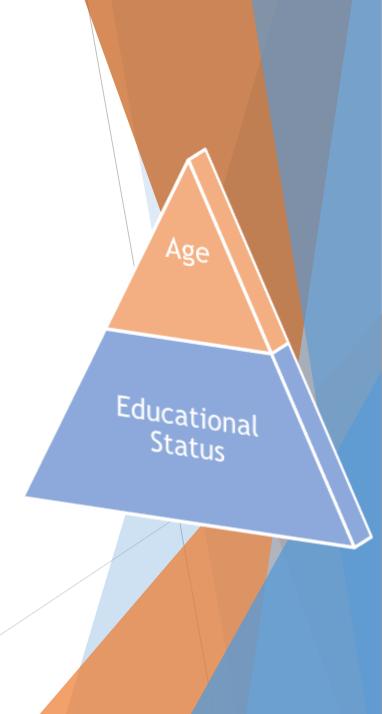


RESULTS

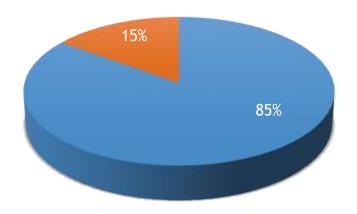
VESOFIS







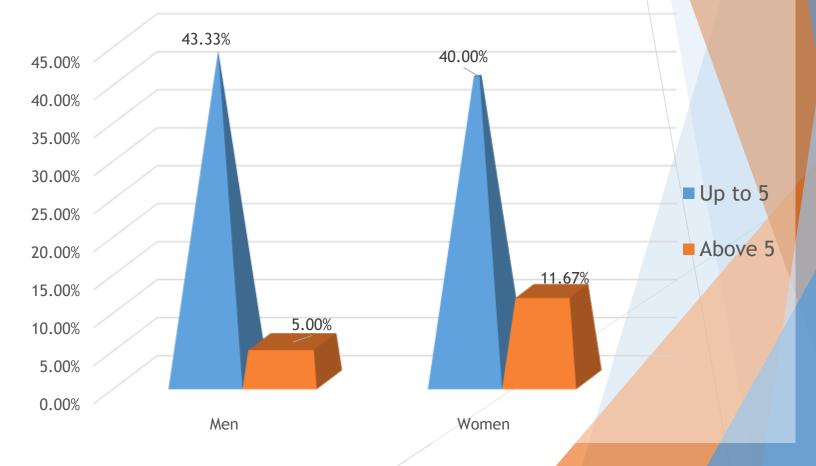




■ Nuclear ■ Joint

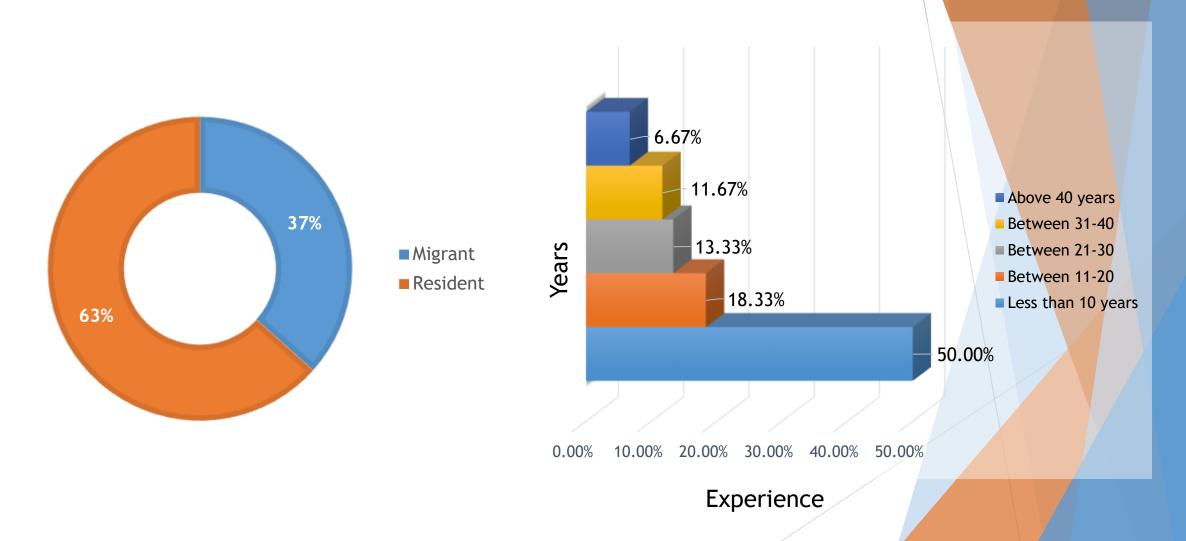
FAMILY TYPE

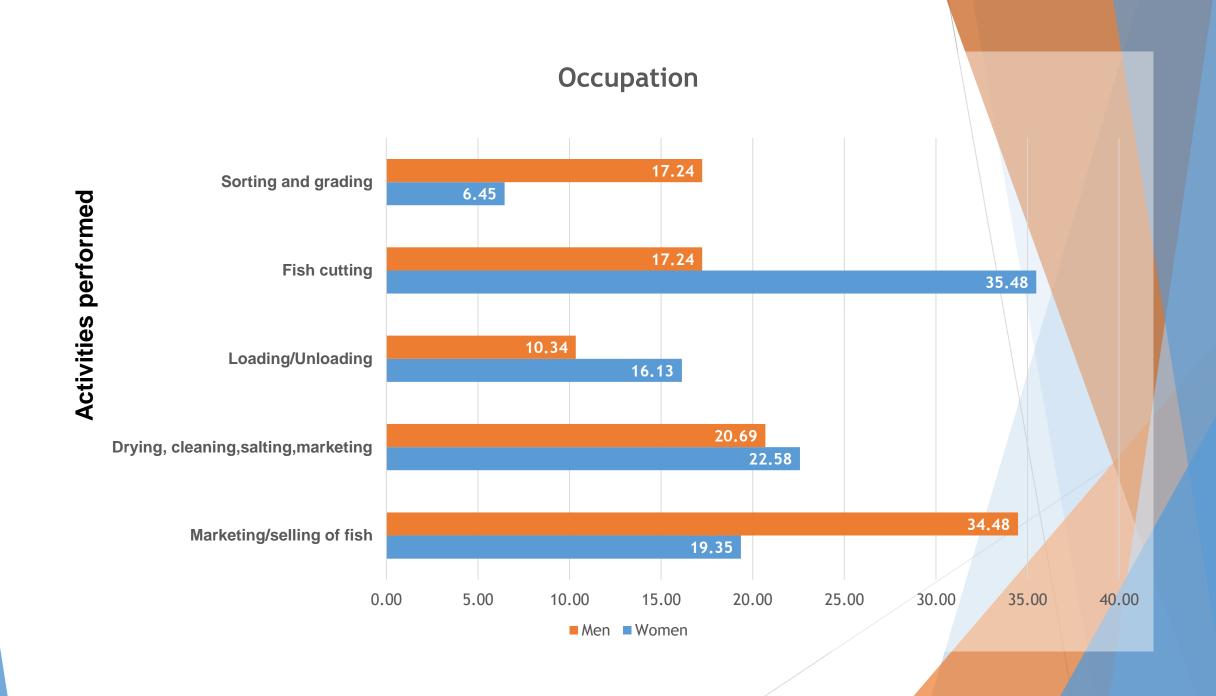




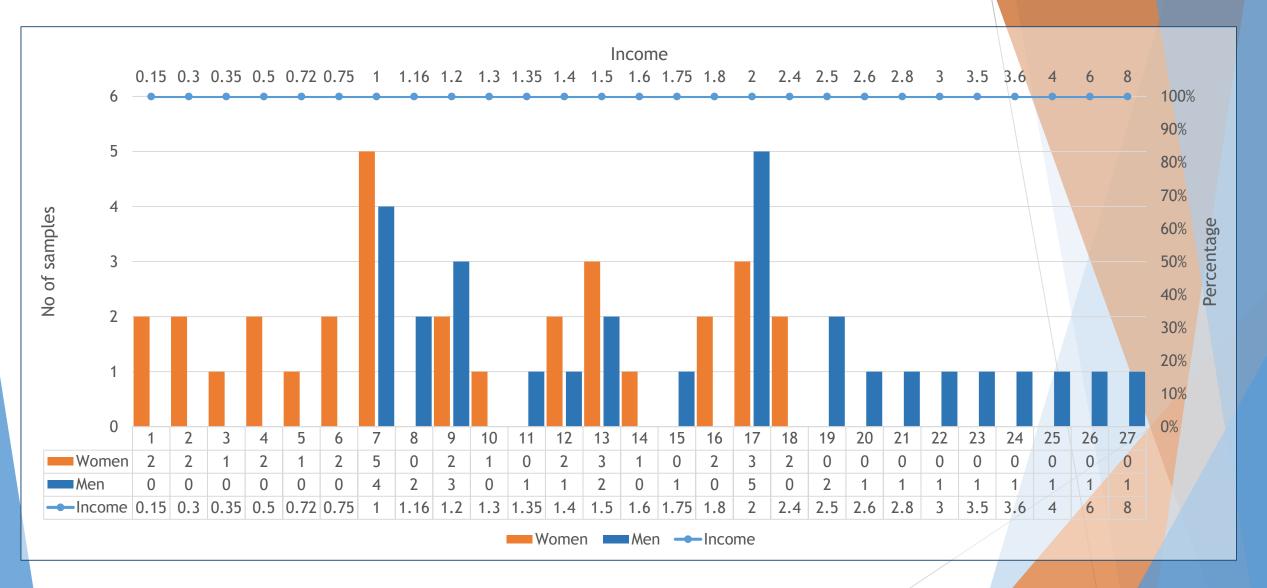
NATIVITY

TOTAL EXPERIENCE





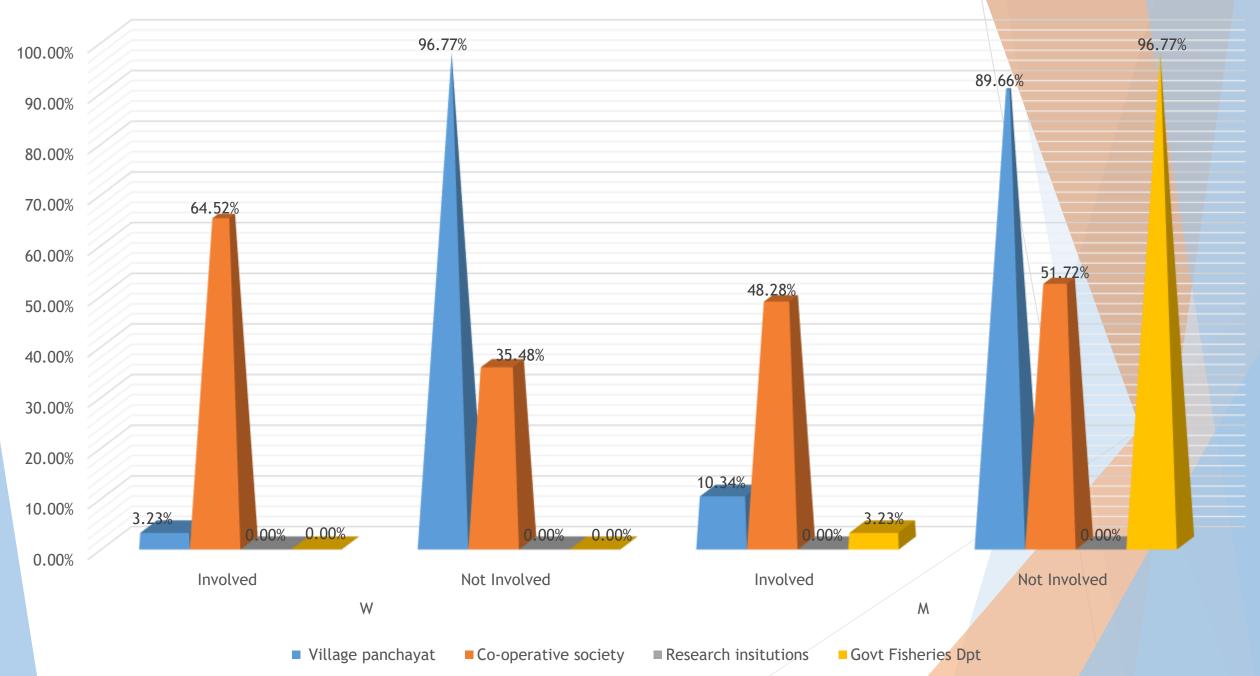
ANNUAL INCOME



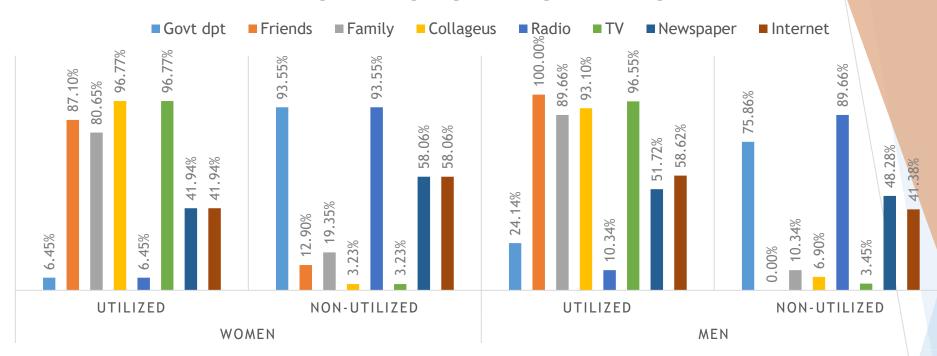
Average Annual income- 1.7 lakhs INR (2080 USD)

	Chi-Square value	p value
Age	6.37	0.041*
Family type	0.95	0.329
Educational status	5.24	0.264
Family size	1.62	0.204
Marital status	5.83	0.016*
Migrant/Resident	8.28	0.004*
Experience	5.93	0.204
Total Annual income (in		
lakhs)	15.15	0.002*

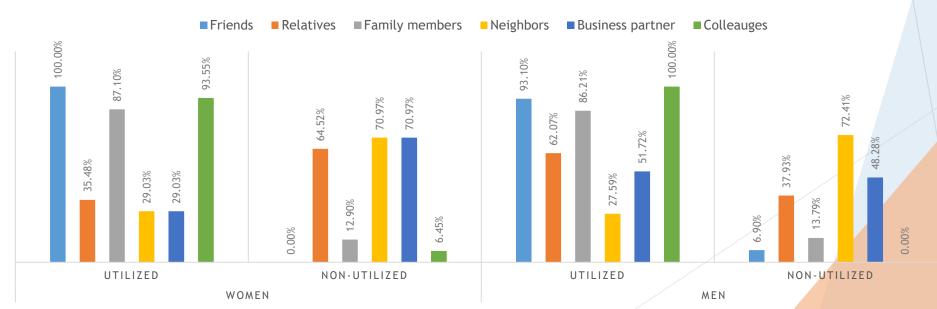
Social participation



INFORMATION SEEKING BEHAVIOR



INFORMATION SHARING BEHAVIOUR



Information seeking behavior

Chi square value p value Academic 10.18 0.017* instruction 2.23 0.328 **Govt depts** 0.157 **Associations** 3.70 8.40 0.038* friends 0.196 4.69 family collaegues 3.59 0.31 3.80 0.284 Radio 5.10 0.078 0.293 Newspaper 3.72 12.07 0.007* Internet

Information sharing behavior

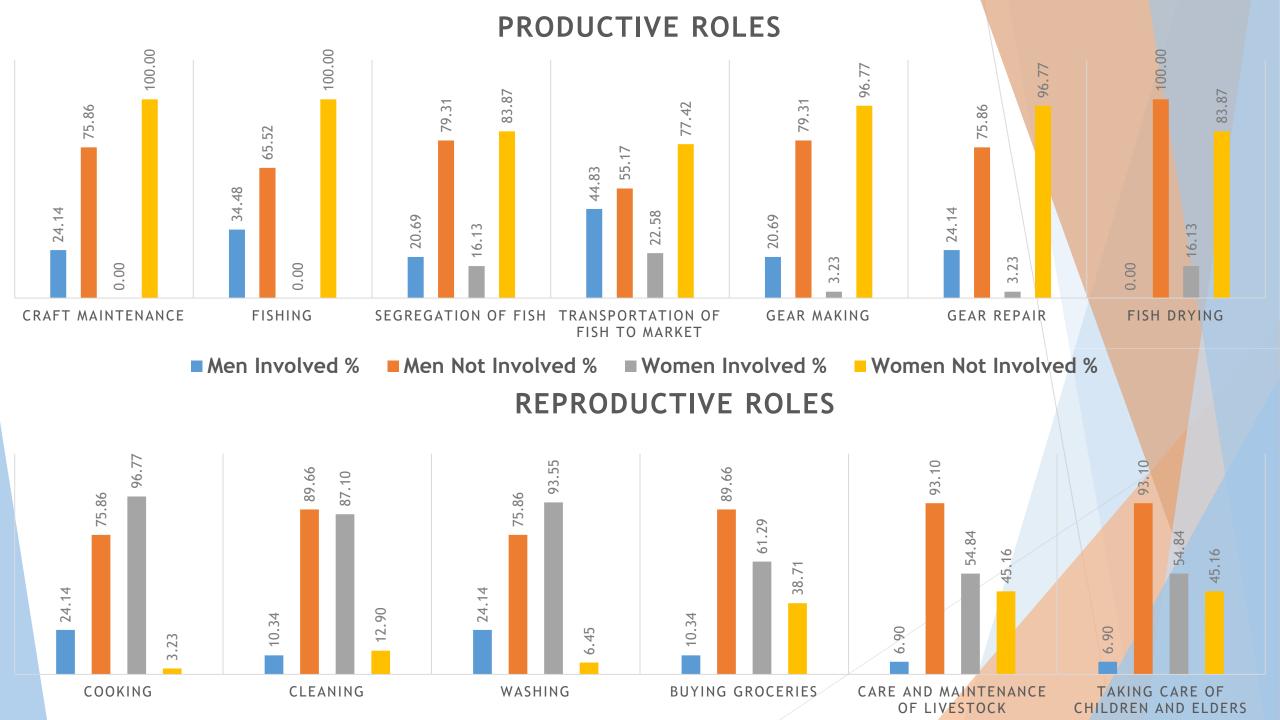
	Chi square value	p value
Friends	4.98	0.173
relatives	6.74	0.081
family		
members	12.99	0.005*
neighbors	8.80	0.032*
business		
partner	14.97	0.002*
colleagues	6.55	0.088

DECISION MAKING

Decisions	Gender	Never	With family	With spouse	Alone
Where/when/how to work	F	3.23%	9.68%	32.26%	54.84%
vviiere/wrien/now to work	M	0.00%	10.34%	10.34%	79.31%
Purchase of critical work inputs	F	9.68%	6.45%	45.16%	38.71%
Purchase of Childar Work Impuls	М	0.00%	20.69%	17.24%	62.07%
Availing crodit/cuboidies	F	0.00%	16.13%	67.74%	16.13%
Availing credit/subsidies	М	0.00%	24.14%	27.59%	48.28%
Litilization of parned manay	F	12.90%	6.45%	54.84%	25.81%
Utilisation of earned money	М	0.00%	13.79%	27.59%	58.62%

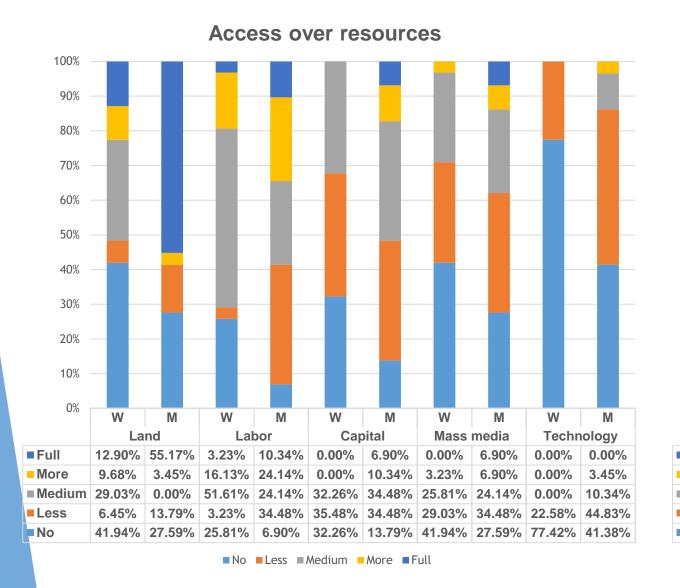
DECISION MAKING

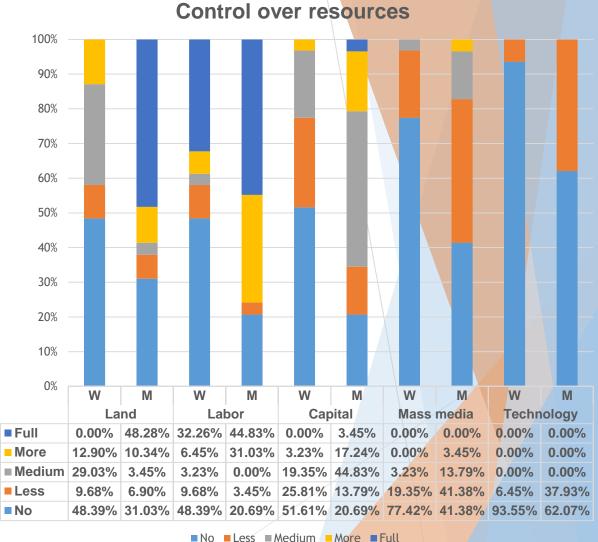
Decisions	Chi square value	p value
Take decisions on what, when, where and how to		
work	27.49	0*
Take decisions on purchase of critical work inputs	5.61	0.132
Take decisions on availing credit facilities or subsidies	10.41	0.015*
Make decisions on how to spend money earned from		
post-harvest works	3.49	0.322



		Chi square value	p value
	Cooking	38.74	0.000*
	Washing	31.94	0.000*
	Cleaning	28.28	0.000*
Reproductive roles	Buying groceries	0.98	0.611
	Care and maintenance		
	of livestock	10.36	0.006*
	Taking care of elders		
	and children	24.24	0.000*

		Chi square value	p value
	Craft maintenance	8.47	0.014*
	Segregation of fish	3.12	0.210
	Transportation of fish		
	to market	2.24	0.326
Productive roles	Marketing of fish	3.08	0.215
	Gear making	7.87	0.020*
	Gear repair	6.17	0.046*
	Fish drying	5.10	0.024*





ACCESS OVER RESOURCES

Resources	Chi square value	p value
Land	19.01	0.001*
labor	15.77	0.003*
capital	7.56	0.109
mass media	3.58	0.466
technology	9.74	0.021*

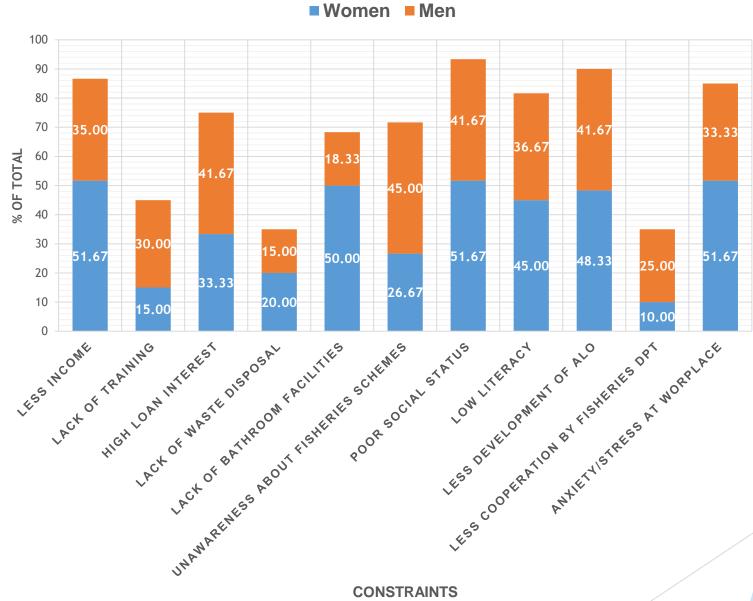
CONTROL OVER RESOURCES

Resources	Chi square value	p value
Land	22.20	0.000*
labor	10.65	0.031*
capital	12.07	0.017*
mass media	8.74	0.033*
technology	8.75	0.003*

RESOURCES/SERVICES	GENDER	ALWAYS	SOMETIMES	NEVER
ACCESS TO LANDING CENTERS/MARKETS	Women	30.00%	11.67%	10.00%
ACCESS TO LANDING CENTERS/MARKETS	Men	28.33%	8.33%	11.67%
WORK INPUTS / MARKETING IMPLEMENTS	Women	0.00%	0.00%	51.67%
WORK IN OTO / WARRETING IN LEWEINTO	Men	18.33%	5.00%	25.00%
WEATHER UPDATES	Women	0.00%	6.67%	45.00%
WEATTER OF DATES	Men	5.00%	13.33%	30.00%
POST HARVEST PROCESSING /	Women	25.00%	18.33%	8.33%
MARKETING FACILITIES	Men	20.00%	15.00%	13.33%
TRAINING ON POST HARVEST FISHERY	Women	0.00%	0.00%	51.67%
ACTIVITIES	Men	3.33%	3.33%	41.67%
RESOURCES / OPPURTUNITIES TO	Women	1.67%	3.33%	46.67%
UPSCALE BUSINESS	Men	8.33%	6.67%	33.33%

Access over resources and services	Chi square value	p value
ACCESS TO LANDING CENTERS/MARKETS	0.37	0.830
WORK INPUTS / MARKETING IMPLEMENTS	19.52	0.000*
WEATHER UPDATES	6.07	0.048*
POST HARVEST PROCESSING / MARKETING FACILITIES	1.16	0.560
TRAINING ON POST HARVEST FISHERY ACTIVITIES	4.58	0.101
RESOURCES / OPPURTUNITIES TO UPSCALE BUSINESS	4.61	0.100

MAJOR CONSTRAINTS



CONSTRAINTS	Chi-Square Value	p value
Less income	10.45	0.015*
High interest on bank loans	10.45	0.015*
Less training/exposure visits in fisheries	20.54	0.000*
Lack of waste disposal in work place	1.21	0.750
Lack of proper washroom facilities	30.67	0.000*
Lack of awareness about different fisheries schemes	15.88	0.001*
Less cooperation by DoF	11.24	0.010*
Poor social status	14.24	0.001*
Low literacy level	12.29	0.006*
Less development of ALO	2.23	0.526
Anxiety and stress due to long working		
hours	37.13	0.000*

INFERENCE & CONCLUSIONS

- Although women population in post-harvest/secondary sector is significantly higher than men, they are socially and economically complicated in terms of income, social status, limited access to information and services, markets, social protection, decision making and leadership positions.
- Less development/adoption of Alternative Livelihood options could be a strong reason for poor social status of women.
- ➤ The lack of visibility and education is a chronic barrier to women in receiving fair wages like men working in secondary sector.
- ➤ Unlike men, women are largely engaged in reproductive roles than productive roles as they are more aware of social needs (food security, family well being).
- ➤ Safe working conditions, as well as equal pay for equal work and same access to fishery related decision making opportunities for women are highly essential as their male colleagues.

- Migrant workers are more exposed to modern slavery, bondage, forced labor and poor wages.
- > The gender gap in the accessibility to resources and services needs to be improved.
- ➤ Gathering gender disaggregated data is the first step to greater progress along with gender screening of fishery policies.
- ➤ Ultimate goal: Gender is no longer a point of difference in fisheries sector; both men and women work together for equal and fair rewards.

