



UNDERSTANDING GENDER ROLES IN THE MANGROVE REFORESTATION PROGRAM IN BARANGAY TALOKGANGAN, BANATE, ILOILO, PHILIPPINES: A CASE STUDY

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Introduction

- ❑ People's participation and responses are major factors that cause the success or failure of any development project (Plaza-Moralde, 2007)
- ❑ Roles of men and women, and their interaction with the environment and institutions surrounding them must be better understood to come up with sound policies and programs (Rola, 1995)
- ❑ Available technology + Government support = Varying success; limited in time & scale (Erfemeijer & Bualuang, 2011)
- ❑ No clear picture of gender situation in development projects

Objectives

- ❑ Determine the gender roles in the protection and management of mangroves; and
- ❑ Identify the issues encountered in the implementation of the mangrove reforestation project.

Methodology

- ❑ Primary data: Semi-structured interview and FGD
- ❑ Secondary data

Results and Discussion

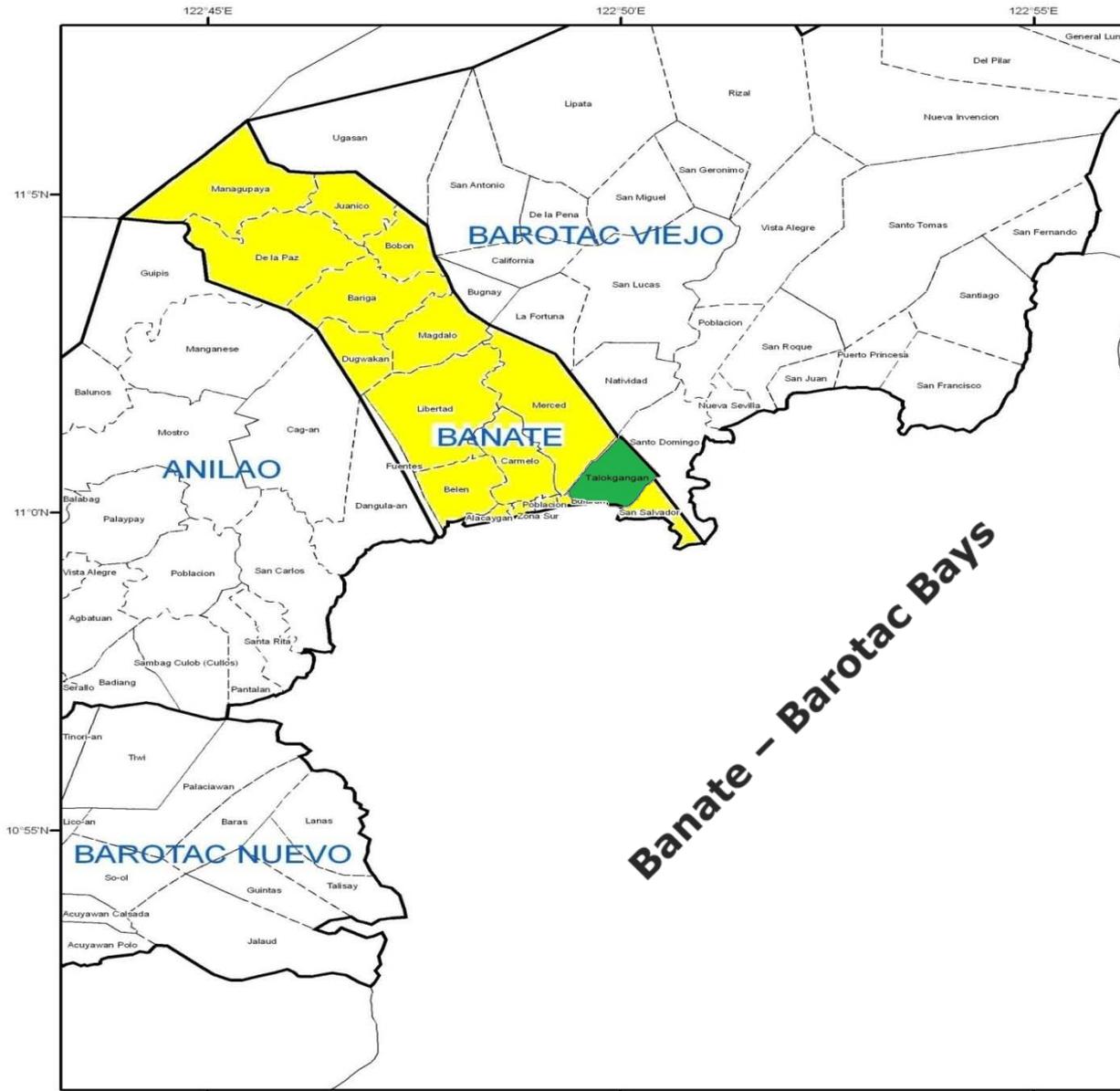
Study area

- ❑ Philippines ⇒ Iloilo Province ⇒ Municipality of Banate ⇒ Barangay Talokgangan
- ❑ Total land area of 17.72 hectares and a total population of 2,488, with 520 households (JICA and BBBRMCI, 2008)
- ❑ Residents are engaged in farming, fishing, fish trading, fish processing, hired services, government service while others are employed in private agencies
- ❑ 2 people's organizations (PO): Talokgangan Small Fishermen Association (TaSFA) and Talokgangan Concerned Citizens Association (TaCCAs)

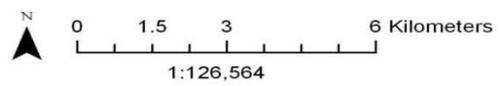
1. Ilocos Norte
2. Kalinga Apayao
3. Cagayan
4. Ilocos Sur
5. Abra
6. Mountain Province (Baguio)
7. Ifugao
8. Isabela
9. La Union
10. Benguet
11. Nueva Viscaya
12. Quirino
13. Pangasinan
14. Tarlac
15. Nueva Ecija
16. Aurora
17. Zambales
18. Pampanga
19. Bulacan
20. Bataan
21. Metro Manila (NCR)
22. Rizal
23. Cavite
24. Laguna
25. Batangas
26. Quezon
27. Camarines Norte
28. Camarines Sur
29. Catanduanes
30. Albay
31. Sorsogon
32. Occidental Mindoro
33. Oriental Mindoro
34. Marinduque
35. Romblon
36. Masbate
37. Northern Samar
38. Eastern Samar
39. Western Samar
40. Palawan
41. Antique
42. Aklan (Boracay)
43. Capiz
44. Iloilo
45. Negros Occidental
46. Negros Oriental
47. Cebu
48. Bohol
49. Leyte
50. Southern Leyte



51. Surigao del Norte
52. Agusan del Norte
53. Surigao del Sur
54. Zamboanga del Norte
55. Misamis Occidental
56. Zamboanga del Sur
57. Lanao del Norte
58. Misamis Oriental
59. Agusan del Sur
60. Lanao del Sur
61. Bukidnon
62. Davao del Norte
63. Davao Oriental
64. Maguindanao
65. North Cotabato
66. Davao del Sur
67. Sultan Kudarat
68. South Cotabato
69. Basilan
70. Sulu
71. Tawi-Tawi

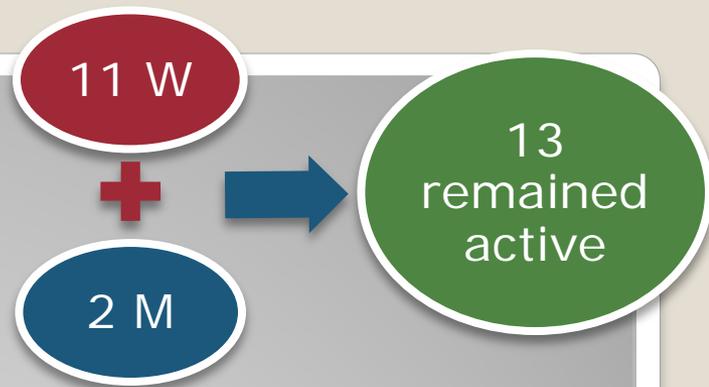


Banate - Barotac Bays



Profile of respondents

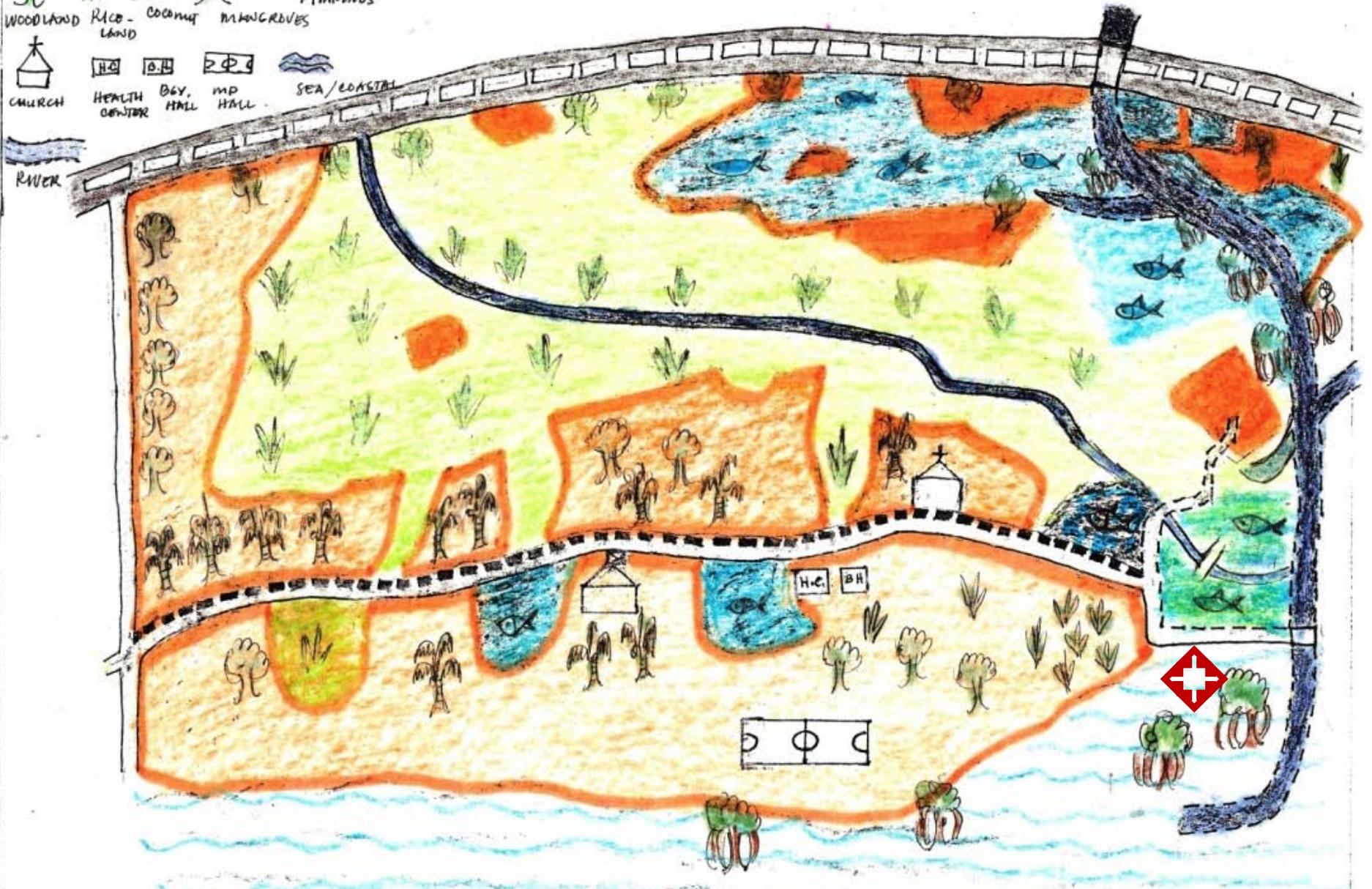
- ❑ TaCCAs was established in 1997
- ❑ Started with 28 members: 11 women and 17 men
- ❑ Award of 3.5 has of mangrove area in 2006
- ❑ Most members are:
 - above 50 years of age (92.31%);
 - married (92.31%);
 - have been residents of the area since birth (76.92%)
 - employed (61.54%)
- ❑ Elementary level of education (100%)
- ❑ Average number of children is 4; majority are above 18 (96%)



TALOKGANGAN LAND USE MAP

LEGEND:

- WOODLAND (tree icon)
- RICE - COCONUT LAND (rice and coconut icons)
- MANGROVES (mangrove tree icon)
- AQUACULTURE / FISHPONDS (fish icon)
- CHURCH (church icon)
- HEALTH CENTER (H.C. icon)
- DEPT. HALL (D.H. icon)
- M.P. HALL (M.P. icon)
- SEA / COASTAL (wave icon)



Source: BBBRMCI. Participatory Rapid Appraisal Workshop Output, 1997

Table 1. Economic profile of respondents.

Respondent	Occupation	Other source of income	Weekly income (PhP)
1	Barangay Councilor	None	1,500.00
2	Piggery owner	None	500.00
3	Driver (Motorcycle)	None	700.00
4	None (Housewife)	None	600.00
5	Driver (Vehicle)	Vulcanizing shop, fishing	500.00
6	None (Housewife)	None	0.0
7	STL collector	None	500.00
8	None (Housewife)	None	0.0
9	Sari-sari store owner	None	700.00
10	Purified water vendor	None	1,000.00
11	Dressmaker	Mangrove nursery	500.00
12	House-help	None	1,500.00
13	None (Housewife)	Fish vending	800.00

Ave. weekly income = PhP 676.92

Ave. annual income = PhP 35,199.84 (~735 USD)

Annual income of bottom 30% income group =
(2009 Family Income and Expenditure Survey, NSO)

PhP 62,000.00

Reasons for joining the TaCCAs

- Help other people and their community
- Benefit from government projects/organization/avail of loans
- Have other source of income
- Be organized as a group
- Mangroves protect their houses
- Because when they are organized, people listen
- There is nothing else to do
- Planting mangroves makes her happy

Time allocation in mangrove reforestation and other activities

- An average of 3-4 hours per week is spent on mangrove reforestation activities
- Household chores fall within the responsibility of the women

Gender roles in mangrove management, protection and maintenance

- ❑ Women play a significant role in most of the activities of the mangrove reforestation project as compared to their men counterpart ([Table 2](#))
- ❑ Planning and decision-making is a shared task between men and women
- ❑ Women's role is particularly relevant because of its multiplicity

Table 2. Gender roles in the mangrove reforestation project.

ACTIVITIES	MEN	WOMEN
Mangrove nursery development and maintenance		
▪ Preparation of planting materials		✓
▪ Preparation of nursery area		✓
▪ Potting of seedlings/propagules		✓
▪ Cutting of bamboo stakes (for the fence)	✓	
▪ Fencing	✓	
▪ Purchasing of polybags and other materials for the nursery		✓
Mangrove planting		
▪ Transfer of mangrove seedlings/propagules to the planting area		✓
▪ Digging of holes prior to planting		✓
▪ Planting of mangroves		✓
Mangrove management, protection and maintenance		
▪ Attendance in meetings		✓
▪ Planning	✓	✓
▪ Decision-making	✓	✓
▪ Coordination with other agencies/organization		✓
▪ Sales		✓
▪ Monitoring		✓
▪ Clean-up of mangrove area		✓
▪ Accounting of income and expenses		✓
▪ Safekeeping of funds		✓
▪ Installation of sign boards		✓

Use of income from the mangrove nursery proceeds

- ❑ Mangroves seedlings are sold @ PhP 7.00/MS
- ❑ TaCCAs are able to sell PhP 6,000–10,000 worth of mangrove seedlings/propagules (~ 1,400 seedlings)
- ❑ Net proceeds from selling the seedlings/propagules are divided among TaCCAs members
- ❑ Earnings from mangrove sales are spent primarily on:
 - food for their family;
 - provisions for their children's education; and
 - medicine
 - others (e.g. mahjong, loans, etc.)



Benefits from the mangrove reforestation project

- buffer from strong winds/waves during typhoons
- soil stability for their houses
- monetary incentive from selling mangroves

Issues encountered in the project implementation

- lack of support from other community members;
- lack of funds;
- stolen implements;
- conflict within the household which leads to marital dispute;
- underpayment of their work done; and
- sustainability of the TaCCAs (ageing members)

Conclusion and Recommendation

- ❑ Majority of the mangrove management, protection and maintenance activities are predominantly done by women
- ❑ Several issues were encountered by TaCCAs members in the mangrove reforestation project implementation
- ❑ TaCCAs women involvement in the restoration and enhancement of mangroves in Talokgangan has immense contribution in the sustainability of the program
- ❑ The program provides monetary incentives which helped the TaCCAs members augment their income giving them a greater sense of self-worth
- ❑ Promote community participation, especially women, because women proved to be reliable environmental stewards in the communities
- ❑ Women's vital role in NRM initiatives should not only be recognized but more importantly, should be reflected in policies related to conservation and development

Acknowledgment

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Thank you!

