

Water Users Associations Evaluation and Strengthening in Spate Areas

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Research Problem and Objectives

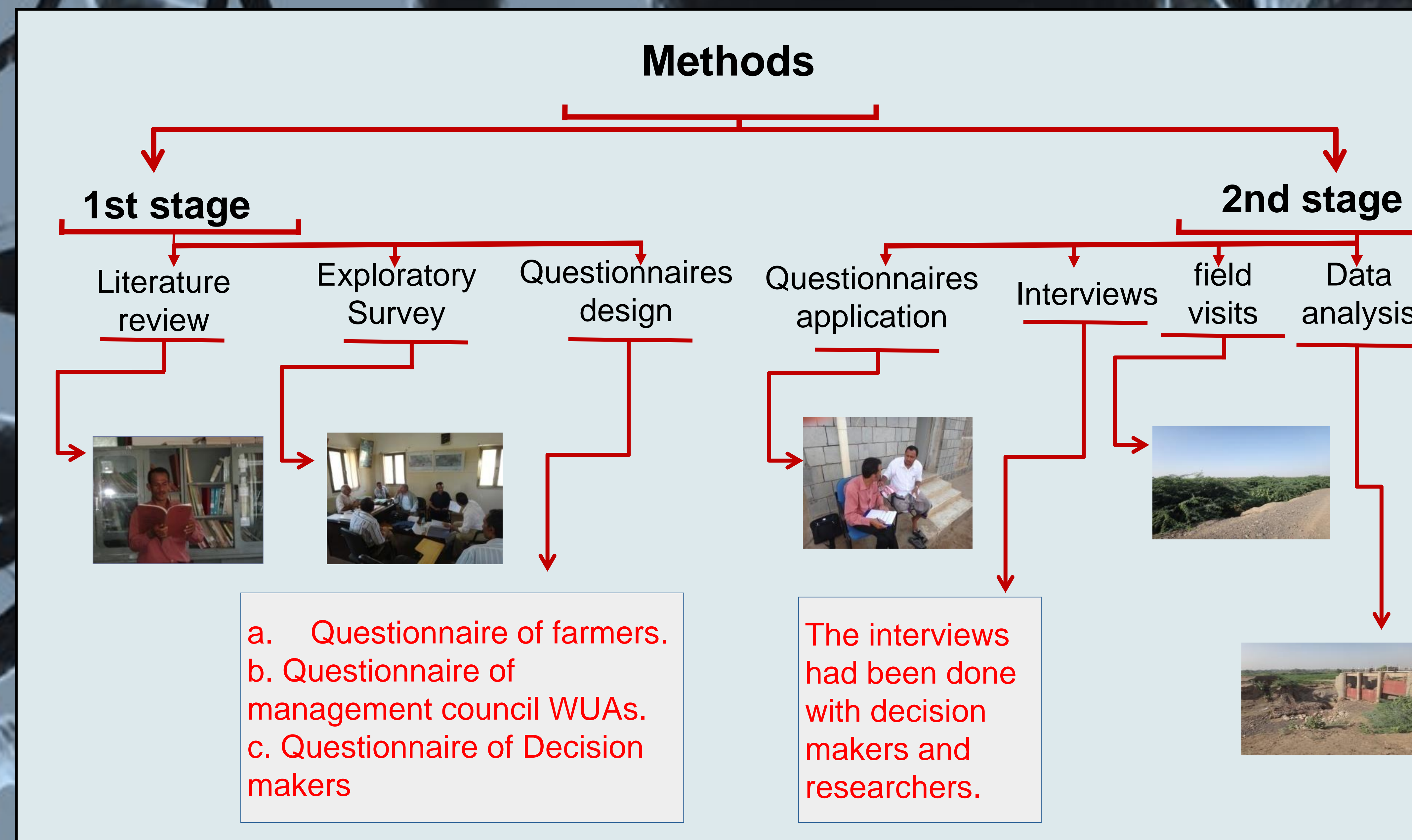
The government of Yemen adopted the concept of PIM in water resources management and structure maintenance through the formation of WUAs on the water basins level and spate irrigation areas, and through authorizing the WUAs to manage water and maintain water structures. However, this experience has not been evaluated since its adoption.

The main objective for this study is assessing the performance of WUAs in spate irrigation areas, Wadi Zabid, through the criterion of IWRM including the technical Performance, and managerial and financial capacity; to identify a number of measures that will contribute to the strengthening and sustainability of the WUAs.

Study area



(case study: Wadi Zabid, Tihama plain – Yemen)



Results (cont.)

WUAs administrative evaluation

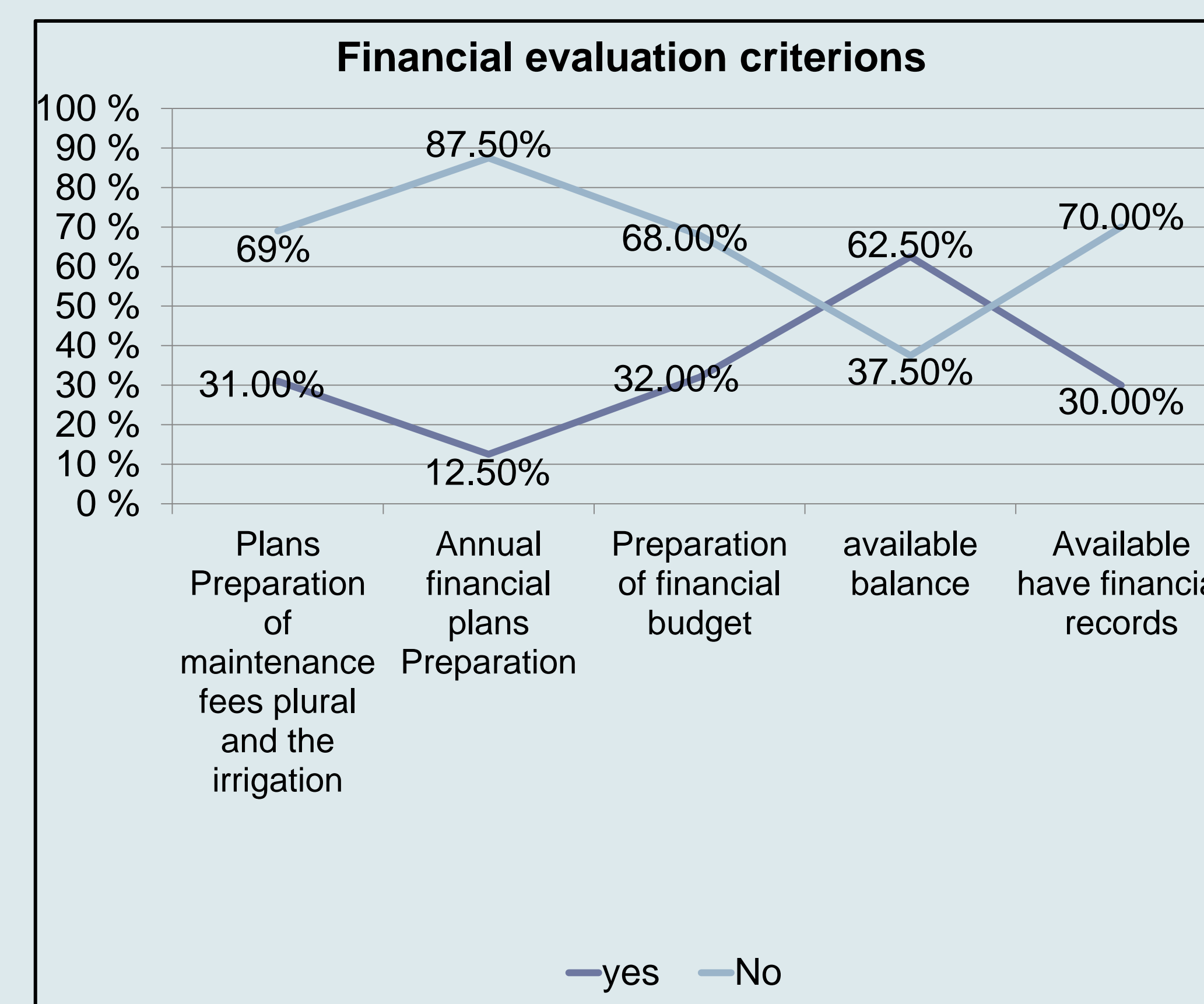
N o	Administrative evaluation criterions	%of WUAs	
		good	poor
1	Management council election	56	44
2	The management council meetings	68.75	31.25
3	Availability of management records	22	78
4	Censorship committees performance	56.25	43.75
5	The ability on solving conflicts	17.7	82.3
6	Relationship of WUAs	14	86

Results

Technical evaluation for WUAs

N o	Technical evaluation criterions	%of WUAs	
		good	poor
1	Management and distribution of spates water	25	75
2	The maintenance	18.8	81.2
3	Activity of WUAs	12.5	87.5
4	The Knowledge about modern agriculture practices	0	100
5	WUAs role in groundwater management	0	100
6	Farmers membership proportion in WUAs	25	75

Financial evaluation for WUAs



Recommendations

With the aim of WUAs sustainability the study recommends:

- Spreading awareness about the important role of WUAs in water resources management and structures maintenance, also the role and responsibility of women in the field and their affiliation with WUAs.
- Enabling WUAs to improve and adjust water distribution rights and rules.
- Crops productivity betterment through the relationships development among the agricultural researches authority and WUAs.
- Development of managerial skills and financial performance improvement within the WUAs.