



Management Brief

The International Irrigation Management Institute

RAPID RURAL APPRAISAL FOR IRRIGATION SYSTEMS

Robert Chambers and Ian Carruthers

Rapid Rural Appraisal (RRA) refers to cost-effective techniques which	Source of bias	What to do
can help managers and development professionals find out about rural conditions. RRA has already been applied to development projects in	Visiting only head reaches and	Go to the tails and off
agriculture, farming systems, natural resources, health and nutrition, fisheries,	traveling canal roads by car.	the roads; walk around.
firewood and energy, and, recently, irrigation.		
mewood and chergy, and, recently, inigation.	Examining the distribution system.	Look at the drains.
RRA sets out to help managers and development professionals avoid two		
problems:	Visiting only during working hours	Go before and after working
problems.	and in daylight.	hours, and at night.
The first is rural development tourism, which is hurried fact-finding visits to		
selected projects during working hours. For example, observations made	Making only one visit, or visiting	Inquire about the situation at
during a drive from the irrigation headworks down the main canal, followed	at the same time each season.	other times, and in other seasons.
by a brief meeting with better-off farmers, may be the only source of		
information for major development decisions.	Observing only physical works	Find out about processes -
, <u>.</u>	such as headworks, canals, cross	distribution, communications -
The second problem is excessive and inappropriate data collection. Sur-	regulators, and gates.	and meet people.
veys, readings, and routine reports often pile up for years, are seldom		
analyzed or checked for accuracy, and are rarely, if ever, used in making	Visiting only demonstration trials or	Visit farmers lower down the same
management decisions. In contrast, RRA stresses timeliness, seeks cost-	special projects.	channel who may get less water
effective trade-offs between the amount and utility of information obtained,		because of a trial or project.
and emphasizes the personal involvement of managers.		
	Meeting only the elite: staff,	Make an effort to meet poorer
	better-off farmers, influential people, and men.	farmers, laborers, and women.
USES FOR RRA	people, and men.	
	Blaming farmers for misusing the	Find out why farmers do what they do
RRA may be useful in many situations. A system manager may want to	system	, , , , , , , , , , , , , , , , , , ,
investigate water deprivation among farmers at a canal's tail-end, gauge the effects of missing a cultivation season on laborers and small-scale farmers, or		
know actual water delivery rates and times. A visiting team may want to	Telling people what they should do.	Listen to people and learn from them.
work out new operational plans with project staff or investigate waterlogging,	177 141 1 1 1 1	
salinity, flooding, or water shortages.	Visiting people hurriedly.	Plan to spend more time and be
samily, nooning, or water shortages.		patient with people.
	TECHNIQUES	
HOW TO AVOID BIASES		
	Specialized RRA techniques has	ve yet to be worked out. However,
Managers and irrigation professionals who conduct appraisals can offset	experience in many development pro	ojects has revealed techniques that may
the biases caused by rural development tourism and excessive and inappro-	prove helpful in various irrigation systems and situations. The purpose of the	
priate data collection by attending to the following suggestions:	appraisal and the conditions under w	which it is carried out determine which
	techniques are suitable. The followi	ng are suggested:
	1 Use existing information Th	ana inaluda, mana angiat akatan sat
Robert Chambers is Fellow, Institute of Development Studies, University of Sussex,	design documents and project approx	ese include: maps, aerial photographs,
Brighton BN1 9RE, United Kingdom.	design documents and project appraisals, reports about crises, reports about the visits of previous teams, surveys and studies, annual and other reports,	
	hydrological information in chronol	and studies, annual and other reports, ogical sequence, and manuals and circu-
Ian Carruthers is Professor, Wye College, University of London, Ashford, Kent	lars on water distribution.	Breat sequence, and manuals and circu-
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