



FANRPAN
Food, Agriculture and Natural Resources Policy Analysis Network



CGIAR Challenge Program on
WATER & FOOD



Limpopo River Basin Focal Project

WP 5: Intervention Packages

By Lindiwe Majele Sibanda and Amy Sullivan:

policy@fanrpan.org

[www/fanrpan.org](http://www.fanrpan.org)



WP 5 Intervention Packages

- ◆ *Output # 1: A list of potential significant intervention packages for the basin*
- ◆ *Output # 2: Qualitative analysis of likely impacts of intervention packages on water use and productivity*
- ◆ *Output # 3: Strategic interventions for the basin*
- ◆ *Output # 4: Policy Processes*

Limpopo River Basin Focal Project

FANRPAN
Food, Agriculture and Natural Resources Policy Analysis Network



CGIAR Challenge Program on
WATER & FOOD

ARC • LNR

Strategic interventions for the basin

1. Identify possible intervention packages
2. Test through consultations with key **stakeholders** (managed jointly by **GWP** and **FANRPAN**)
3. Assess through case studies

Stakeholder Consultation seen as central to success

Limpopo River Basin Focal Project

FANRPAN
Food, Agriculture and Natural Resources Policy Analysis Network



CGIAR Challenge Program on
WATER & FOOD

ARC • LNR

Process I

1. Stakeholder input (LBFP team, networks, consultation participants, literature reviews) to identify *known* interventions.
2. Matrix to categorize/classify intervention packages.
3. Data base to add detail & dimensions to what we know, help identify what we do not know.
4. Intervention packages fleshed out: what works where, when, how and why?

Limpopo River Basin Focal Project

FANRPAN
Food, Agriculture and Natural Resources Policy Analysis Network



CGIAR Challenge Program on
WATER & FOOD

ARC • LNR

A Methodological Innovation: The Intervention Matrix

Intervention Package	Associated Institutions	Infrastructure			Technology			Policies & Institutions			New Knowledge		
intervention (contributor)	Name of institution, contact info, links to related web sites or documents	Check any of the boxes below that apply			Check boxes below that apply			Check boxes below that apply			Check boxes below that apply		
		availability	productivity	access	avail	prod	acc	avail	prod	acc	avail	prod	acc
Treadle Pump Irrigation <i>D Merrey</i>	IDE http://www.ideorg.org/ Kick Start http://www.kickstart.org					XX							
Small Reservoirs	CP 46 http://www.smallreservoirs.org	XX											
Catchment Management Forums	DWAF http://www.dwaf.gov.za									XX			

Limpopo River Basin Focal Project

FANRPAN
Food, Agriculture and Natural Resources Policy Analysis Network



CGIAR Challenge Program on
WATER & FOOD

ARC • LNR

A Methodological Innovation: The Intervention Database

- Intervention Type
- Institutions Involved
- Location
- Objectives of Intervention
- Research Questions
- Targeted beneficiaries
- Intervention Impact
- Targets women?
- Economic, social, environmental impact?
- Risks
- Evidence of impact: when, where, results?
- Recommendations

Limpopo River Basin Focal Project

FANRPAN
Food, Agriculture and Natural Resources Policy Analysis Network



CGIAR Challenge Program on
WATER & FOOD

ARC • LNR

Process II

5. Derive 'map-able' indicators: biophysical, legal, social, economic, factors from intervention packages
6. Application: Identify hot spots where interventions: 1. may be needed; 2. may work
7. Hypothesis testing in situ; matching interventions to existing situations
8. Test case studies through multi-stakeholder policy dialogues.

Limpopo River Basin Focal Project

FANRPAN
Food, Agriculture and Natural Resources Policy Analysis Network



CGIAR Challenge Program on
WATER & FOOD

ARC • LNR

Example: Application of the Intervention Matrix

The interventions work package of the Limpopo Basin Focal Project (LBFP) is identifying those interventions with the greatest potential for improving water availability, access and productivity to reduce poverty in the rural population. The first step was to collect approaches being used and organize them by theme.

Rainwater Harvesting

Intervention Package	Associated Institutions	Infrastructure			Technology			Policies & Institutions			New Knowledge		
(Int package)	Name of institution followed by contact information, links to related web sites or documents	Check boxes below that apply			Check boxes below that apply			Check boxes below that apply			Check boxes below that apply		
		Avail.	Prod.	Access	Avail.	Prod.	Access	Avail.	Prod.	Access	Avail.	Prod.	Access
Rainwater Harvesting	University of the Witwatersrand - johnson.f@wits.ac.za												
	ICRISAT - j.dines@icrisat.org Eduardo Mondlane University - joseph.dines@unimoz.ac.za doi.org/10.1016/j.scs.2007.07.011 UEM: Enrike Magale - Enrike.Magale@uem.ac.za SIARNET - www.siar-net.org (WRC has just published a 2-volume report on RWH in Free State, see the web site) Dr. Denise Beukes 012 3108500					XX	XX						
Irrigation Water Access & Pricing	Power, UNESCO IHE, UZ - griffiths@ihec.org www.siar-net.org								XX		XX		

But RWH works only under certain conditions



1. Water harvesting



2. Drip kits



3. Increased productivity



4. Food security



5. Improved livelihoods

Interventions need to be linked to enable people to climb out of poverty. Targeting interventions enhances impact.