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Sustainable water resource management for rice growing micro-perimeters (Inter Aide)

« Toy ny asa vadi-
drano ka tsy vita raha
tsy ifanakonana. »

(Malagasy proverb:
« development works
to paddy fields can
only be achieved
through community
teamwork ».)

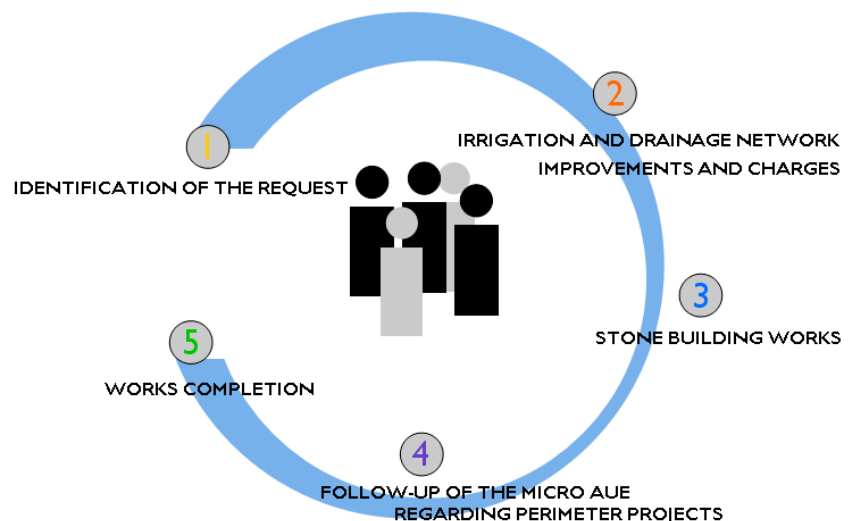
Summary

Inter Aide methodology relies on the clear identification of needs, accurate information gathering throughout the lifetime of the project and monitoring of its impact.

Objective:

Started by Inter Aide in Madagascar, this project aims to help water consumer groups with a view to optimising irrigation and allowing for sustainable water resource management within rice producing micro-perimeters. In order to achieve this, the project is made up of different stages which rely essentially on the role of coordinators.

Methodology:



1/ Demand stems from local farmers

Objectives: Identification of the needs of local farmers. Project proposal in conjunction with perimeter issues.

You can also look at the programme file :

Inter Aide
Sustainable availability of safe drinking water, hygiene, sanitation

On the fondation ensemble web site
www.fondationensemble.org



Perimeter stage follow-up

This document details the information regularly collected by coordinators. Each box will be progressively updated in conjunction with the development of the project.

2/ Improvements and changes to the network by the « Association des Usagers de l'Eau (AUE) » (Association of water users)

Objectives: The irrigation and drainage canal are operational. Work is carried out to strengthen the banks and protect the canal. Local farmers within the area form a micro A.U.E. The micro A.U.E. can organise restoration work and manage the new developments.

3 / Construction projects and contracting with the AUE

Objectives: Stone building works are completed which will provide sufficient water flow for the plot. Local farmers are taught stone masonry skills.

4 / Following creation of the micro AUE, impact evaluation (measure productivity increase).

Objectives: The micro AUE is able to distribute the water equally, to protect and regularly maintain the completed developments. The association is made aware of and informed about the respect and protection of natural resources. The working order of completed stone works is checked. The social-economic and environmental impact of the restoration project is determined.

Document : Perimeter stage follow-up

	Perimeters	Request	Preliminary studies					Canal Restoration			AUE set up				Detailed technical study	Contract 2	Preparation of materials	Project construction
			1	2	3	4	5	6	7	8	9	10	11	12				
coordinator																		
coordinator																		
coordinator																		
coordinator																		
coordinator																		

	Building works planned		Completed building works		Building works taking place
	finished				
	current				
	not necessary				

Preliminary studies:

- 1 Prospection (Coordinator)
- 2 Technical feasibility and confirmation
- 3 Surface measurements
- 4 Basic technical study (measurements and estimates)
- 5 Social diagnosis
- 6 Contract 1

Canal restoration

- 7 Blasting
- 8 Embankment reinforcement
- 9 Vetiver grass

AUE setup:

- 10 Subscription
- 11 Training session 1: Interest of the group and the role of the association.
- 12 Training session 2: Role and responsibilities of office members.
- 13 Training session 3: Upkeep of management tools.
- 14 Evaluation of the organisational and functional skills of the AUE.