

	Rationale of the initiative	Objectively verifiable indicators	Sources of verification	External conditions
General aim	To increase the availability of water resources in the rural villages through the updating of the local technologies			
Specific goal	To transform the traditional water lifting systems, moved by draught animal power, in electromechanical systems, also them moved by draught animal power but more economic and efficient	% of the increasing of availability of water resources	Analysis performed within the project	Sound local rules on the water use rights
		% of reduction of pollutants in water resources	Archives of local agriculture office	Openminded support of local organization and
		% of the decreasing of infections and diseases		
Expected results	The presence of working animals in the villages, that are engaged only for an average period of only 120 days per year, makes available an enormous potential of local, free, low cost energy	number of installed water pumping stations		
	supply of water from waterlayers deeper than those exploited with traditional mechanical pumps	number of installed water distribution towers and water distribution networks		
	lifting of water, from deeper layers, that is less salty because not evaporated			
	lifting of water not polluted by the walking of animals, dung and other biological products because the animals can work far from the well	increased surface of microirrigated horticulture and plant nurseries	Archives of the project	
	the use of an electrical pump allows to lift water from plastic or iron tubewells. This can avoid the closure of the hole now so frequent due to the falldown of the walls of the well.	number of sanitary ed educational equipment installed	surveys	
	The system is ideal to create a water network with lifting water on the top of a distribution tower			
	the spare electric energy can be utilized for dispensaries, surgical lamps, laboratories, analysers and refrigerator for vaccins, blood, and others perishable pharmaceuticals and drugs, school and class lighting, mobile telephone systems, PC, TV and radio sets also for weather forecasts, school and class lighting, mobile telephone systems, PC, TV and radio sets also for weather forecasts			

Activities	Resources		Costs	Available draught animal power Agreement on the use of public water resources
1.1. Construction and assembling of some equipments in Italy, with technicians of the country, for an activity of training on the job				
1.2. Opening, locally, of a one or more workshops for the construction and assembling of the equipments	1. Volunteers and cooperators selection		€ -	
1.3. Transfer of the equipments in the rural villages and installation	2. Salaries, allowances and management of volunteers and cooperators		€ -	
1.4. Geological analysis for finding deeper water layers and well digging	3.1. technical and professional training of volunteers and cooperators		€ -	
1.5. water grid construction and water distribution tower erection to reach households	3.2. other italian personnel		€ -	
1.6. Agronomic and zootechnical analysis for a sound technology transfer	3.3. local personnel		€ -	
1.7. Socioeconomic analysis to increase the value of water resources and to facilitate the transfer of the best management practices	3.4. Vocational training of local personnel		€ -	
1.8. Teamworking with the women that are traditionally engaged in water collecting and management	3.5. Scholarships		€ -	
1.9. One year men work for local supervision of The equipments and the water management systems	3.6. Equipments		€ -	Basic condition
1.10. Monitoring, in the villages where the technology has been introduced, of the socioeconomic and health indicators	3.7. Constructions		€ -	Sound local social relations in the area
	3.8. Lands and terrains		€ -	
	3.9. Other financial resources		€ -	
	3.10. Missions for checking and follow up		€ -	
	3.11. Overheads		€ -	