

Self-supply

A promising option for water and food for millions

Reasons to stimulate Self-supply:

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| <ul style="list-style-type: none"> - Conventional Communal supply does not reach all - Increasing population, limited local funds, less aid - No maintenance problems, families maintain pump - It becomes communal supply, neighbors get water - Income generated often benefits women | <ul style="list-style-type: none"> - Families invest themselves - Leads to productive use, more income - A family pump “automatically” increases incomes 100 -500US\$/yr. - Self-supply is now promoted in combination with Household water Treatment, so water is safe to drink. |
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Possibilities with new Smart Water Solutions:

			
<p>Well water made safe to drink with Chlorine, boiling or new options like Silverfloats or 15 US \$ Table top filters.</p>	<p>New wells can be dug or hand drilled with options like Rota sludge or SHIPO Cost drill set (40 m deep) 500-1500 US\$</p>	<p>Existing wells can be made 5 metres deeper with Underlining or a Tube bailer. Cost of deepening 40-80 US\$</p>	<p>Wells can be upgraded with a well cover and a Handpump. Cost cover and pump 80-150 US\$</p>
			
<p>Dry wells can be filled with recharge options like a Tube recharge Cost materials 10US\$</p>	<p>Water for domestic use with Canzee or EMAS pumps. Cost of pumps 30-50 US\$</p>	<p>Animal watering or irrigation with Treadle or Rope pumps. Cost of pumps 60 - 120US\$</p>	<p>Training of local private sector in SMART Centres like SHIPO Tanzania</p>

Developments: Countries like Niger, Uganda and Ethiopia now have a policy to scale up Self-supply. National policy in Ethiopia now is to reach some 20 million people in rural areas with hand dug or hand drilled wells and Rope pumps.

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