

The WaterCompass

Results of the Sanitation Decision Support Tool. The tool was created by WASTE (www.waste.nl) and the Akvo Foundation (www.akvo.org), in order to assist people in choosing sanitation technologies. We hope this tool proves useful, any comments can be send to m.t.westra@akvo.org.

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Session Information

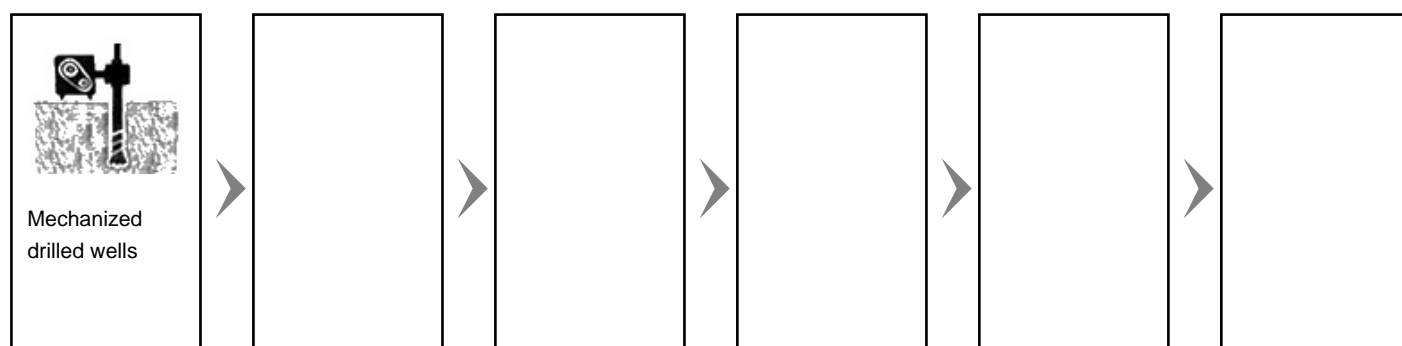
Date: Tue Dec 10, 2013

Time: 11:28:13

Options chosen

Water source <ul style="list-style-type: none"> • <u>Rainwater</u> • <u>Surface water</u> • <u>Groundwater</u> 	Affordability <ul style="list-style-type: none"> • User-financed • Donor-financed 	Ground formation <ul style="list-style-type: none"> • Sand gravel • Clay formations • Compacted formations • Soft weathered rock • Bedrock
Location <ul style="list-style-type: none"> • <u>Densely populated urban</u> • Densely populated low-income urban • Moderately populated urban • Peri-urban, rural • Remote rural 	Intended system sophistication <ul style="list-style-type: none"> • Labor-intensive • Intermediate • Technology-intensive 	Water lifting <ul style="list-style-type: none"> • Not required • 0-8 m • 8-15 m • 15-40 m • >40 m
Preferred level of delivery <ul style="list-style-type: none"> • Household • Shared 	Intended use <ul style="list-style-type: none"> • Drinking only • Domestic use • Domestic small-scale productive use 	Annual precipitation <ul style="list-style-type: none"> • >200 mm; seasonal • >200 mm; year-round
	Contamination <ul style="list-style-type: none"> • Pathogenic (micro) 	

Selected technologies



Short descriptions

Mechanized drilled wells



Well drilling is executed with machine mounted on truck or trailer and may be accompanied by large compressors or mud pumps. Key sub-methods include augering, jetting, down-the-hole (DTH) and cable tool. Each designed for specific geo-hydrological conditions with their own advantages and disadvantages.

Relevant options

At option **Location** you have selected **Densely populated urban**. This means that in your situation, Mechanized drilled wells might be a suitable technology. This depends on: **Most suitable in low population density areas with sufficient space for well and protection area.**
