

MUS and water resources in Kenya

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Sand dams: MUS & water security



Benefits: water & time



Drinking water



Cooking and cleaning



Livestock



Vegetable nurseries



Tree nurseries



Fish farms



Mechanisms for sustainable use



Future plans on MUS



Lekurruki conservancy





Low volume rural road crossings

A sand dam road crossing, Kenya



A farm next to a sand dam road crossing





A double sand dam acting as a LVRR crossing...and water pumping station

What's the opportunity?

- 5,552,000kms of rural roads in sub-Saharan Africa.
- 48% of these are in drylands (where sand dams are applicable).
- \$8 Billion is invested annually in rural roads infrastructure.
- 80% of this investment is on maintenance and emergency repair.
- In Kenya, 80% of roads are low-volume, unpaved, rural feeder roads.

***Kenya Roads Board statistics**



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