

Potential for Small Scale Direct Applications of Geothermal Fluids in Kenya's Rift Valley – a Geopower Africa Project

Dedan Kimathi University of Technology

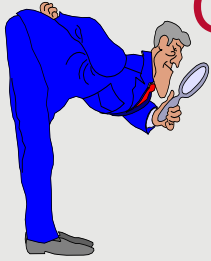
ENERGY !!

An economic and Social Issue



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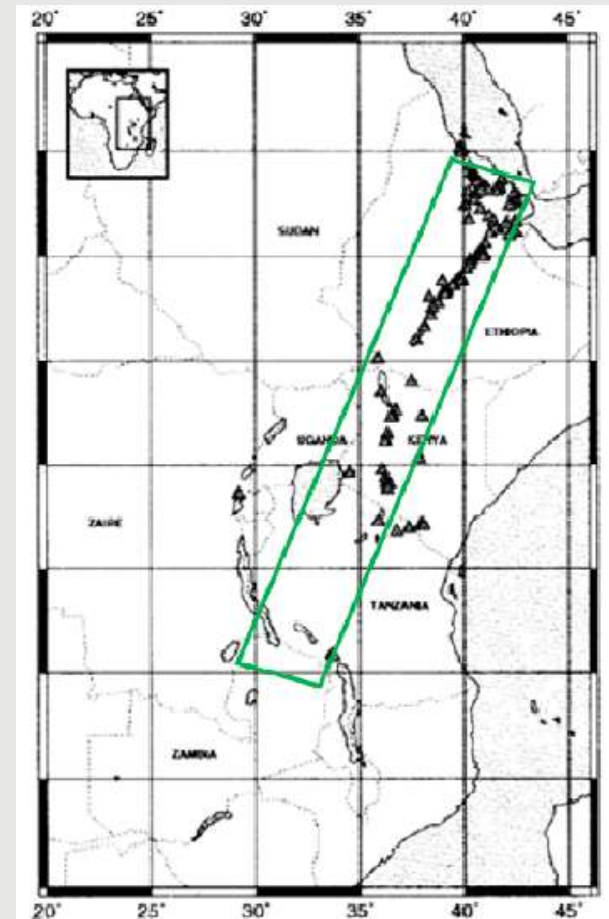
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Research Approach:

- 1) Identify remote sites within the East African rift system for local geothermal energy development for , direct applications and improved water resources.
- 2) Inventory on geothermal resources for both small-scale applications

Data: Geological, Geochemistry, Geoph
Socio-Economics, Demographic



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Results:

Data bases have been constructed on:

- 1) Site and resource characteristics (geology and chemistry)
- 2) Demography and socio-economics
- 3) Local communities have been met
- 4) Publications in Conference Proceedings

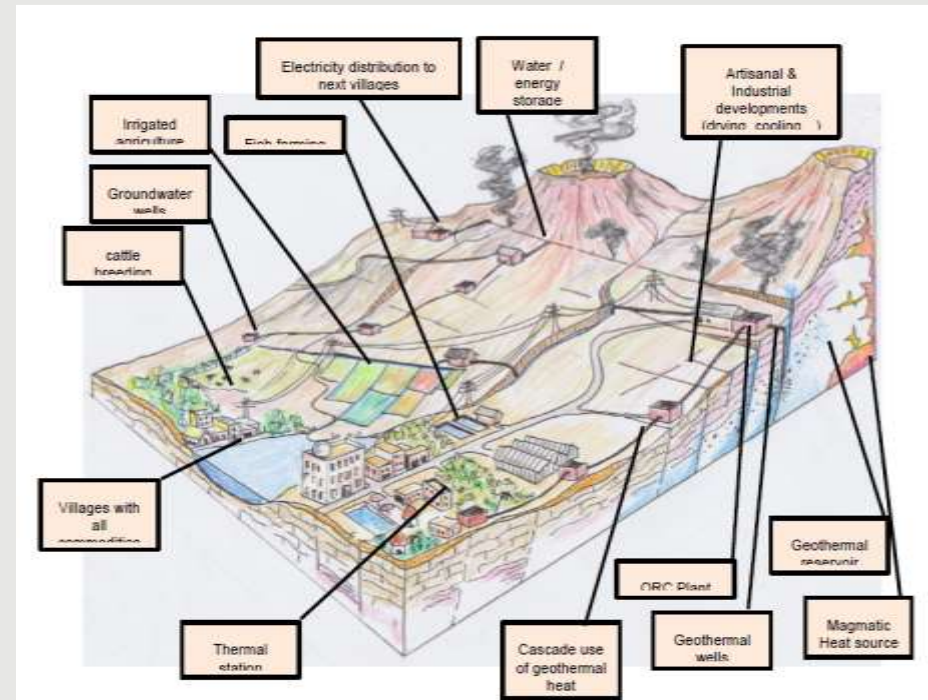


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MAJOR Results:

A good number of sites give indications of an existing potential for small scale direct applications of geothermal fluids that can be harnessed to serve socio-economic needs of local communities.



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Next Steps:

- 1) Identify appropriate technologies based on site characteristics
- 2) Carry out economic analysis of the resource on promising sites
- 3) Disseminate this information to the communities concerned
- 4) Train Communities on funding / Investment Proposals
- 5) Seek funding for pre-feasibility efforts



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Managing the high expectation of the local communities



Thank you – The END