

Removing barriers in developing countries: GEOTHERM German Program for Promoting the Utilization of Geothermal Energy



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The demand for energy increases worldwide to raise living standards and to mitigate poverty.

Many developing countries have a high potential of geothermal energy which is clean, renewable, economical viable and available 24 hours, 7 days a week.

Only at particularly favourable locations the geothermal energy has been taken advantage of because of the high risk associated with investment in such projects.

Germany has taken the initiative to promote the utilization of geothermal energy in developing countries.



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Objective: Promotion of the utilization of geothermal energy in partner countries

 \rightarrow Kicking off development at promising sites

Support to:

- high-enthalpy geothermal resources for generating electricity and
- low-enthalpy resources for direct use
 (space heating, greenhouses, fish farming, balneology)
- or combinations of both (highest energy efficiency)

<u>Partners:</u> private and/or governmental organizations (e.g. Geological Surveys, Ministry of Energy, Power Authority)

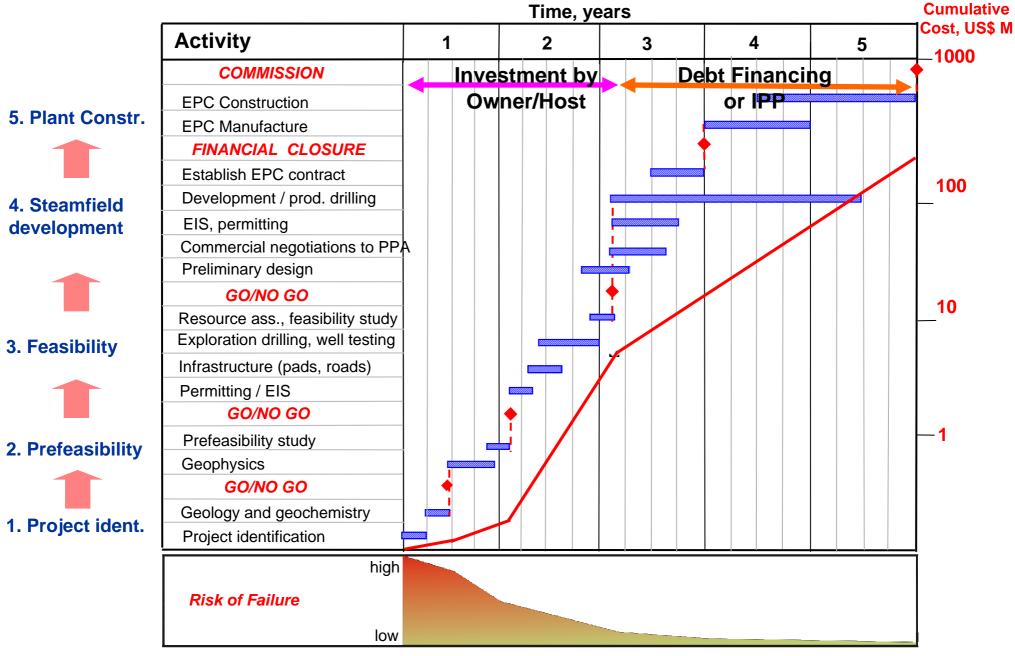


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Possible fields of support:

- geoscientific assessment of the geothermal resource
- geoscientific investigations ("pre feasibility study")
- > ecological evaluation, environmental impact studies
- economic analysis ("profitability analysis")
- advice about possibilities for financing (KfW)
- comparison / ranking of prospects
- training / courses in geothermal issues

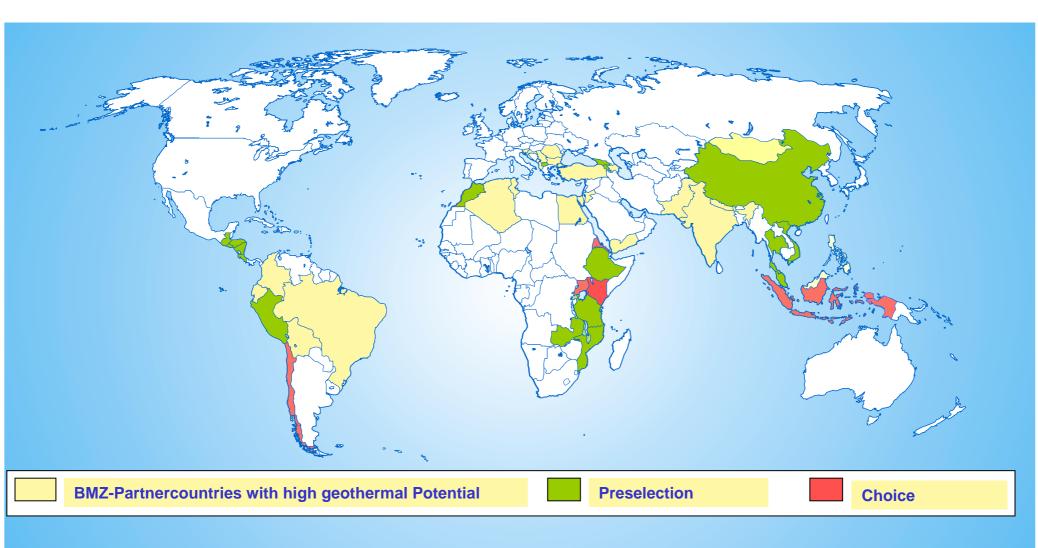






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Possible GEOTHERM – Partner Countries





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Suggested prospect sites



Menengai, Kenya



Alid, Eritrea



Buranga, Uganda



Chillán, Chile

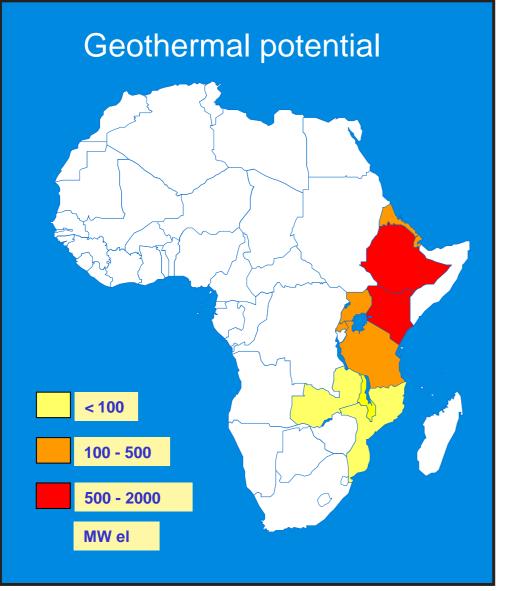




Mataloko, Indonesia



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Outlook

Continuation of the program until 2008: Remove the barriers for development of Geothermal Energy

by:

- 1. Support to partner countries worldwide to minimize the risk of development at selected sites
- 2. Support to ARGeo (African Rift Geothermal Development Facility) for an integrated approach in Eastern Africa



MW el = Mega Watt electric