

Empowering Geothermal Growth in Kenya: The Transformative Impact of GRÓ GTP

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Kenya - Country Overview

55 Million people (2023)

Geothermal potential: > 10.000 MWe

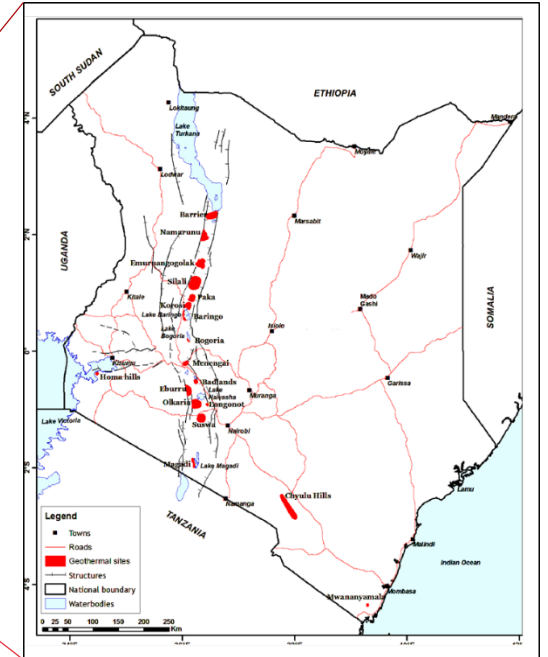
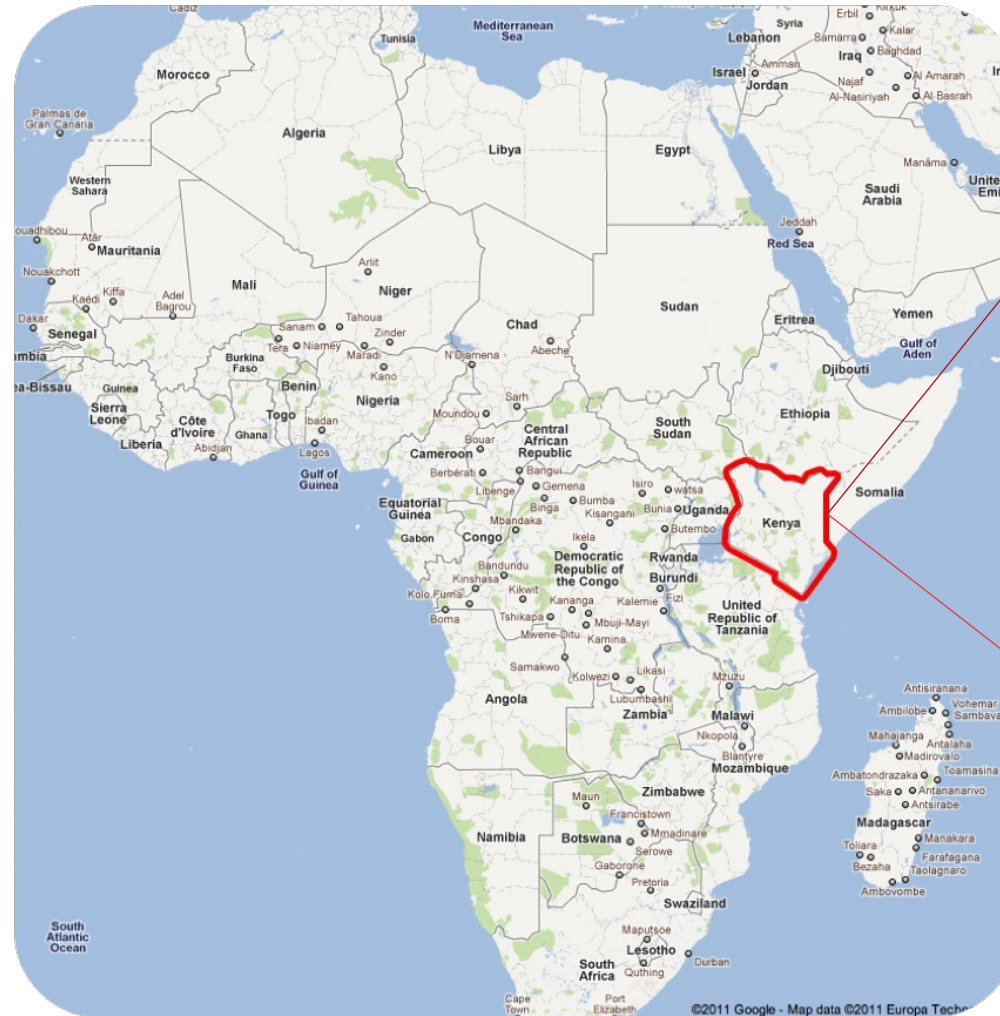
Installed capacity: 3.3 GW

Power output: 13.300 GWh

Dominant Source:
Renewables > 90%

Geothermal
Contribution: 47% (2023)

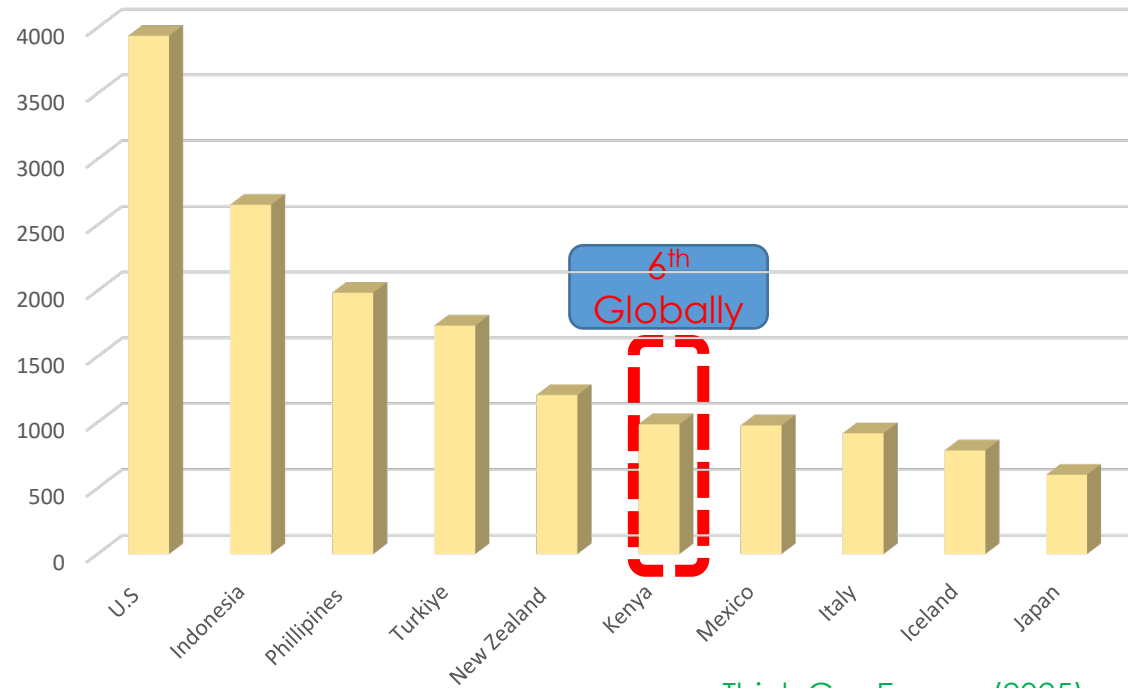
IEA (2023)



Key Milestones

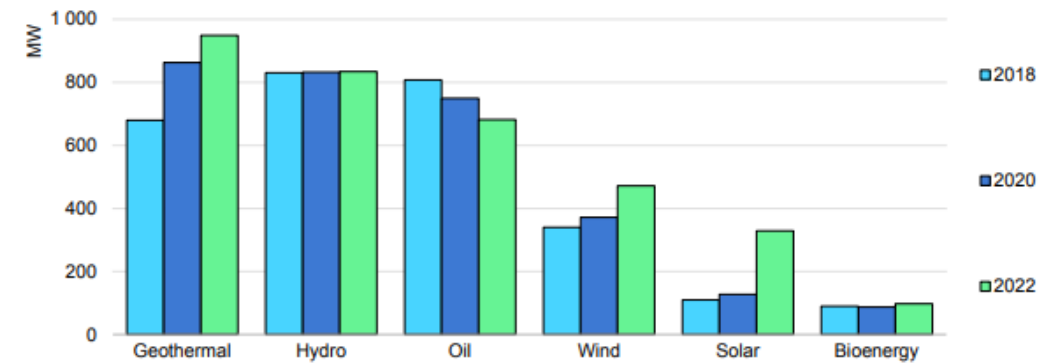
Kenya in the Global Geothermal Space

GLOBAL GEOTHERMAL INSTALLED CAPACITY



Think GeoEnergy (2025)

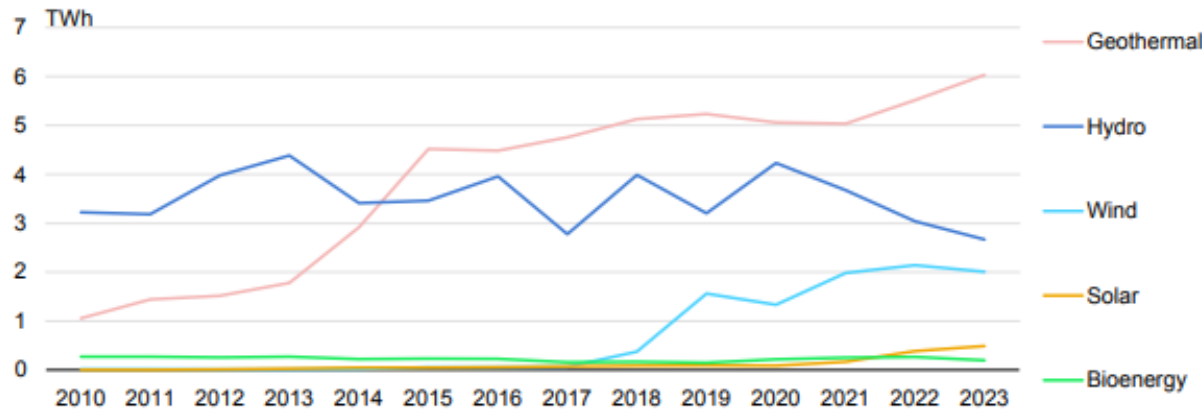
Kenya's Energy Mix



IEA (2023)

Geothermal: Kenya's Success Story

Renewable Energy Generation by Source

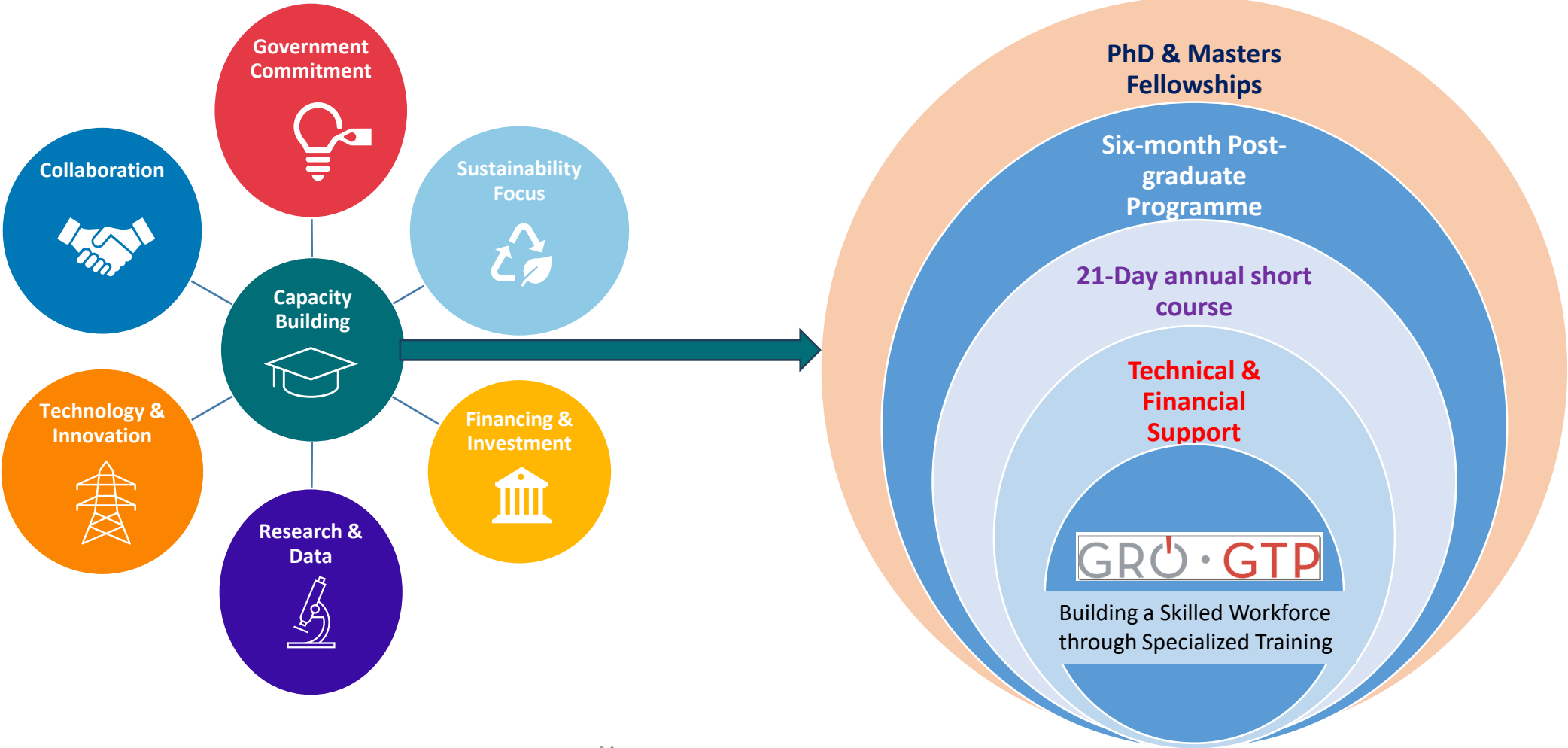


- ❑ Significant growth - from 210 MW (2009) → **985 MW** (2024)
- ❑ Renewables > **90% of electricity**; Geothermal contributes ~47%
- ❑ Major projects: Olkaria I–VII, Silali, Menengai, Paka
- ❑ Annual renewable energy growth rate of **13.1%** (2015–2020)

IEA (2023)

Success Factors

Empowered people – Sustained Progress



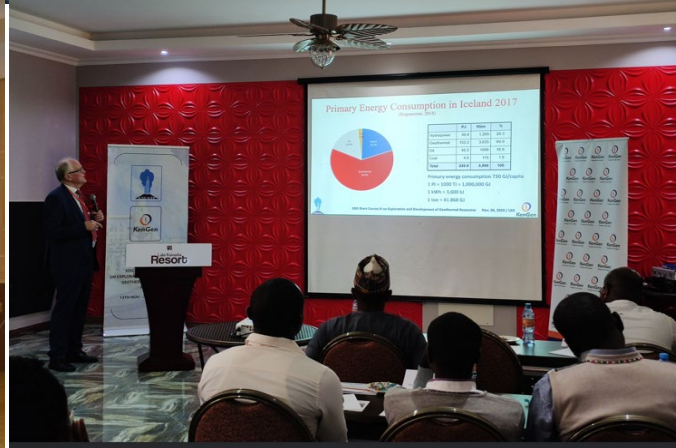
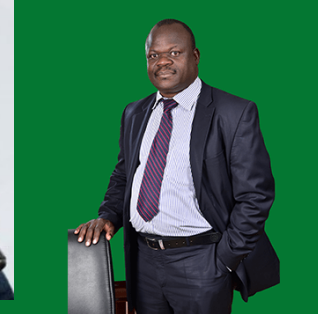
The Impact of GRÓ–GTP - Kenya and the Region

- ❑ Annual short course in Kenya ($\approx$ 400 professionals trained since 2005-2024)
- ❑ Regional multiplier effect – sharing expertise with other African nations $\approx$ 300 trained
- ❑ Alumni now leading operations at key institutions – MoE, KenGen, GDC
- ❑ Enhanced geothermal project efficiency
- ❑ Strengthened collaboration and research linkages with Icelandic companies - (EFLA, Vatnaskil/Verkís/Mannvit/ÍSOR, Green Energy Geothermal)



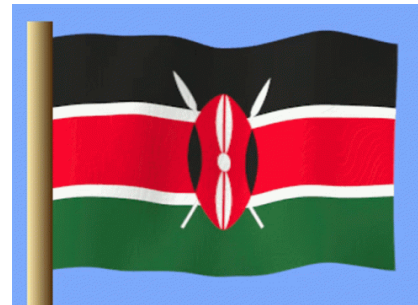
GRÓ–GTP - Catalyzing Regional Leadership and Policy Influence

People are the Core of Geothermal Success



Kenya Shortlisted to Host WGC 2029

- ❑ **Global Recognition** of African Geothermal Leadership
- ❑ Visibility and collaboration
- ❑ Direct reflection of this strong human capital base – **Courtesy of GRÓ GTP**



Conclusion

- ❑ GRÓ GTP has been the bridge that made Kenya a success story
- ❑ Linking Icelandic expertise with African ambition
- ❑ A foundation for a regional geothermal revolution



“Investing in people is the most powerful renewable energy of all.”

Takk Fyrir

