



CENTRE FOR ECOSYSTEM RESTORATION - KENYA

Position	Geophysicist
Organisation	Centre for Ecosystem Restoration-Kenya
Location	Limuru, Kenya
Job Type	Full time
Remuneration	KES. 175,000- 225,000 depending on experience
Application Deadline	September 14th, 2024

Geophysicist Job Description

About the Organization

The Centre for Ecosystem Restoration-Kenya (CER-K) is a Kenyan non-profit ecosystem restoration organisation operating in the highland, savannah, and coastal regions. Our mission is to restore thriving and resilient ecosystems in Kenya with the people of Kenya. We actively reverse degradation and repair ecosystems through action-oriented research and evidence-based restoration at our growing research and restoration hubs. We collaborate with small and large restoration projects, research organisations, funding bodies, institutions, and local communities to achieve the highest biodiversity standards.

About the Role

We are currently looking for a Geophysicist. This role is funded by and working with the Earth Rover Program (<https://www.earthroverprogram.org/>), whose mission is to enhance understanding of soil, advancing scientific knowledge and empowering farmers to sustain and improve both soil health and agricultural yields. ERP is developing new geophysical techniques for soil monitoring, and the association with CER-K is an essential part of early stage research, testing theories and equipment in different ecosystems in Kenya and beyond. The post-holder will have regular contact with ERP colleagues, and will be expected to travel within Kenya as part of the role.





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Core Responsibilities

- Collaborate closely with ERP staff to test geophysical equipment and inhouse data analysis tools, including weekly calls.
- Design field deployments in collaboration with soil scientists at CER-K and ERP and the Hub Manager.
- Run geophysical field experiments.
- Harvest data into protocolled formats; participate in data analysis of Kenyan and other soils
- Integrate geophysical data with complementary soil data
- Provide progress reports to ERP on a quarterly basis or as requested

Required Skills & Qualifications

- Master's degree in geophysics, physics, or computational science.
- Expertise in time series analysis, geophysics, imaging and inversion, geophysical instruments, uncertainty quantification.
- Computing skills allowing for manipulation and analysis of large data sets, including using and editing Python scripts, ObsPys, visualisation of datasets and models.
- Strong written English and communication skills.
- Able to manage own portfolio of work and prioritise appropriately.

Desired Skills & Qualifications

- Demonstrated ability to contribute to a successful research project that involves multiple stakeholders from different disciplines (including international partners)
- Communicating geophysics and technologies clearly to non-experts
- Interest in agriculture, soils and complex ecosystems





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How to Apply

Applications should include a cover letter highlighting the motivation for the role and joining the company. Attach a CV with a telephone number and three professional references with their contact details. Applications should be sent to **info@cerkenya.org with the subject line Geophysicist**. Please note, only shortlisted candidates will be contacted.



Brackenhurst, Tigoni road, Limuru, Kenya | +254 793 565 629 | info@cerkenya.org
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