TRACER STUDY REPORT

Capacity building programme for geothermal power utilization for sustainable climate resilient development in Africa under auspicies of United Nations Industrial Development Organization (UNIDO)Wagramer Strasse 5, A-1220 Vienna, Austria

JULY 1, 2024

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1. TRACER FOR UNIDO CAPACITY BUILDING PROGRAMME 2023 GRADUATES

UNIDO contracted KenGen PLC to develop and implement the technical trainings for geoscientists, engineers, and environmental experts in geothermal development from Ethiopia, Rwanda, Uganda, Djibouti and Tanzania ("Targeted Countries") in collaboration with UNIDO to create a pool of geothermal experts in the Targeted Countries towards expansion of geothermal capacity. The programme was scheduled for completion within 10 months from the signing of the contract.

KenGen Geothermal Training Centre successfully implemented Phase I of UNIDO capacity building programme from 15th to 19th May 2023 and Phase II from 17th July to 7th August 2023 while ex-ante/ex-post online Support went on from May to October, 2023. Twenty-four (24) trainees attended phase I training while twenty-five (25) participants attended phase II; all employees of energy ministries and power utilities from four (4) countries; Ethiopia, Uganda, Djibouti and Tanzania (Rwanda did not attend as planned).

At the end, the trainees termed lecturers and the training facilities excellent and the programme exceptionally beneficial in the sense that they were exposed to real work experiences, skills and challenges via case studies, practical's and on-job trainings. Its is therefore, clear that all trainees were employed and they took trainings in areas relevant to their jobs as per training list below

TRAINING ATTENDANCE			
GEOTHERMAL GEOSCIENCE TRAINING			
No	**Name**	**Gender**	**Organization, Country**
1.	Philibert P. Kanyagala	Male	TGDC (Tanzania)
2.	Lucas B.Tumbu	Male	TGDC (Tanzania)
3.	Robleh Djana Hassan	Male	ODDEG (Djibouti)
4.	Dabar Aden Obsieh	Male	ODDEG (Djibouti)
5.	Marta Wegu	Female	Ministry of mines (Ethiopia)
6.	Bikila Lechisha Mengesha	Male	Ministry of mines (Ethiopia)
7.	Hika Wachila	Female	Ministry of Mines (Ethiopia)
8.	Vincent Kato	Male	MEMD (Uganda)
9.	Edward Isabirye Mugaddu	Male	MEMD (Uganda)
GEOTHERMAL ENGINEERING TRAINING			
1.	Luhinda Luyagwa	Male	TGDC (Tanzania)
2.	Jasson J.O Katule	Male	TGDC (Tanzania)
3.	Mkufu Shabani	Male	TGDC (Tanzania)
4.	James Francis Natukunda	Male	MEMD (Uganda)
5.	Atwiine Maru	Male	MEMD(Uganda)
6.	Omar Eleyeh	Male	ODDEG (Djibouti)
7.	Lemma Kahsay	Male	Ethiopian Ministry of Mines (Ethiopia)
8.	Fathia Abdi	Female	ODDEG (Djibouti)
9.	Tesfaye Kassa	Male	Ministry of Mines (Ethiopia)

ENVIROMENTAL AND SOCIAL ASPECTS TRAINING			
1.	Godfrey Bahati	Male	MEMD (Uganda)
2.	Kawsar Said	Male	ODDEG (Djibouti)
3.	Esther M. Range	Female	TGDC (Tanzania)
4.	Tadesse Lulie Nigusie	Male	MOM (Ethiopia)
5.	Keith Tuunde	Male	MEMD (Uganda)
6.	Ali Moussa Ali	Male	ODDEG (Djibouti)
7.	Mary Nankabiwa	Female	TGDC (Tanzania)

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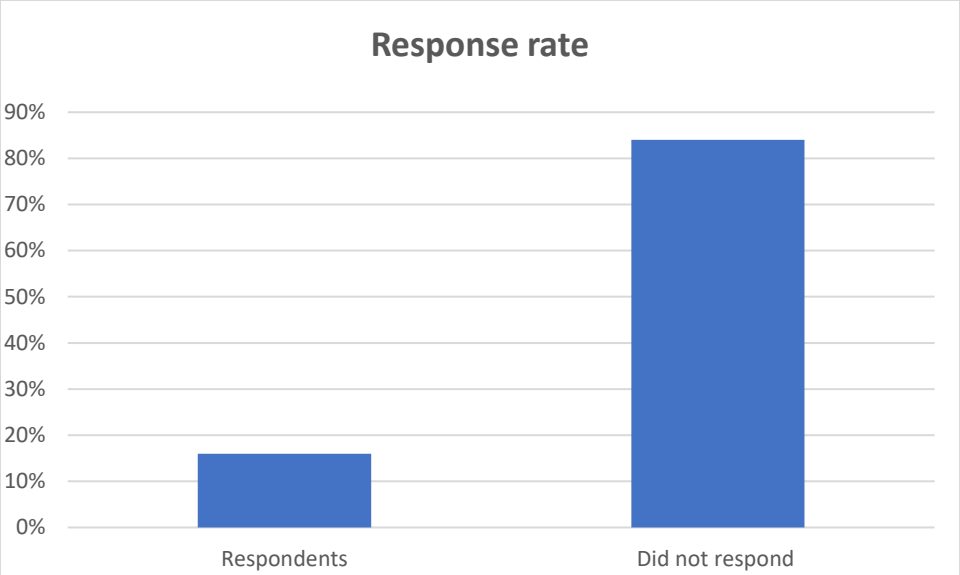
The response to questionnaire are as summarized below:

N0	NAME	COUNTRY	GENDER	EMPLOYMENT STATUS	COMPANY	DIRRECT RELATIONSHIP OF TRAINING TO JOB
1	Tesfaye Kassa Mekonnen tesfaye1967@gmail.com	Ethiopia	Male	Employed	Ministry of Mines of Ethiopia	Yes
2	Dabar aden obsieh sahaladam83@gmail.com	Djibouti	Male	Employed	Djiboutian Office of Geothermal Energy Development (ODDEG	Yes
3	Tadesse Lulie tadesselulie@gmail.com	Ethiopia	Male	Employed	Ministry of Mines of Ethiopia	Yes
4	Lucas Tumbu lucas.tumbu@tanesco.co.tz	Tanzania	Male	Employed	Tanzania Geothermal Development Company (TGDC)	Yes

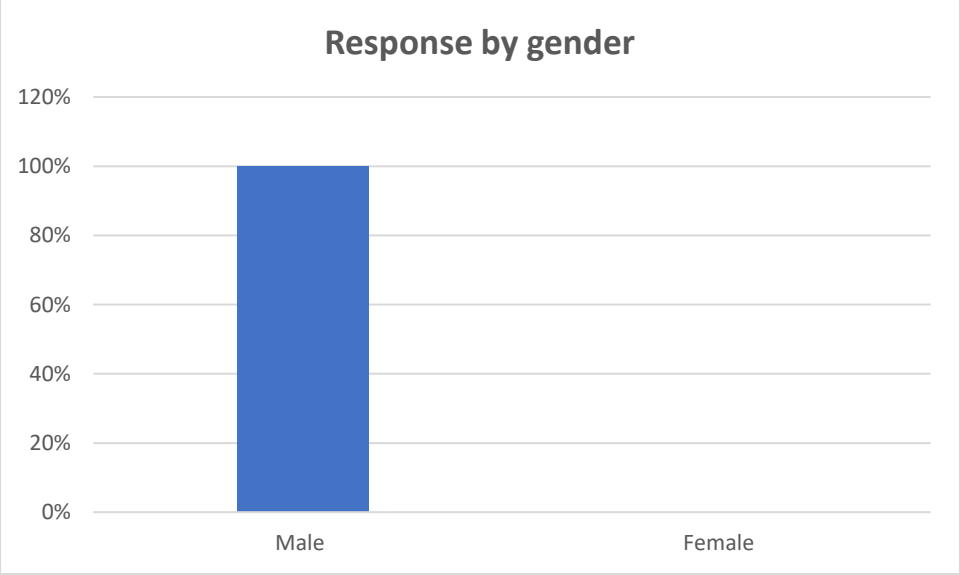
2. RESPONDENTS

We used email to send questionnaires to the graduates to fill. 4 out of the 25 responded to the questionnaires which represented a response rate of 16%.



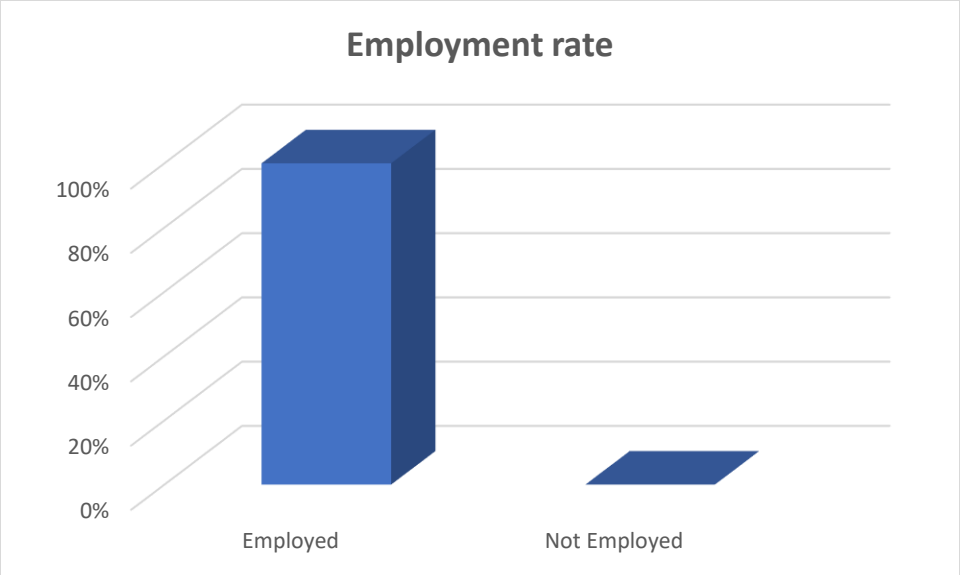
3. GENDER

The composition of the class was 20 male and 5 female which represented 80% and 20 % respectively. Of the respondents 4 were male and 0 female which also represents a percentage of 100% and 0% respectively.



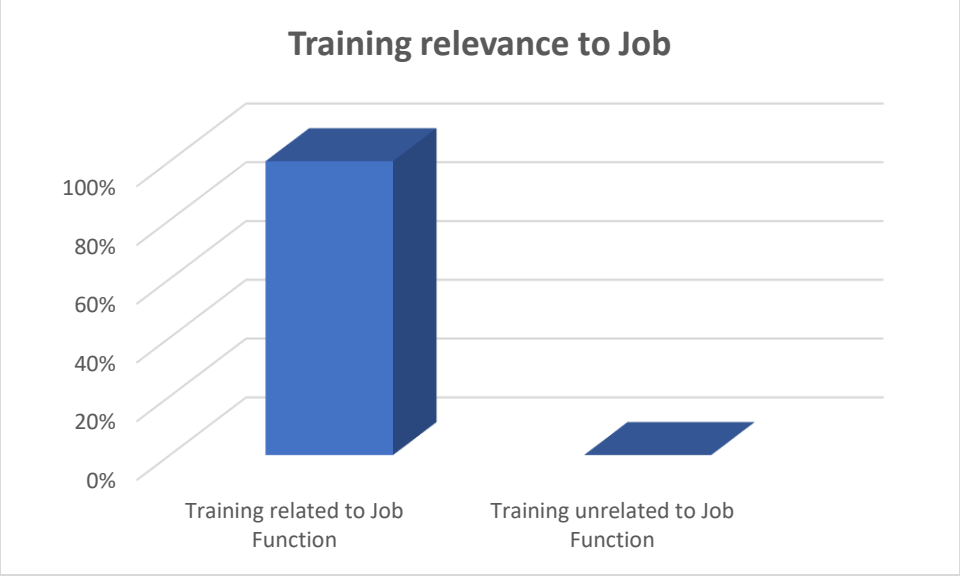
4. EMPLOYMENT STATUS 6 MONTHS AFTER GRADUATION

The students were asked to fill in their employment status 6 months after the end of the short course. All the 4 students who had responded were employed.



5. RELEVANCE OF THE TRAINING OFFERED TO JOB FUNCTION

The responses were analyzed based on a description of where they worked, and it was found out all the 4 who responded were employed in sectors where the training was applicable and relevant.



6. CONCLUSION

The tracer study response was very low however the final study results analysis reflected 100% employment rate as it was expected since this was a professional course that had been developed for industry players.

7. RECCOMENDATION

It is recommended that future tracer studies should utilize other methods of data collection apart from emails only e.g. making personal telephone calls, making physical visits to the institutions they are employed in.

During stakeholder validation workshop, it was noted that it is necessary that the trainees are sensitized on the tracer study during the training.