

GEB NEWSLETTER

Issue 5: January 2024

About GEB:

The GEB Project is supported by the Erasmus + Programme Key Action 2, Capacity Building in Higher Education, CBHE, to help reduce the lack of skilled engineers in geothermal engineering in Egypt, to unlock the potential of this clean and sustainable energy resource.

GEB Activities June 2023 to January 2024:

Different activities including seminars, webinars, and consortium meetings have been accomplished during this period. Besides, several planned future trainings are designed to equip the Egyptian staff from the Egyptian partners with the skills and expertise needed to dive into the world of Geothermal Engineering. Each training is focused on an aspect that each university is renowned for, to all work together and nourishes this multi-disciplinary field of Geothermal Engineering giving it a chance to grow in Egypt.

Public Seminar on “New Postgraduate Program in Geothermal Energy Engineering” – Sep 2023.

Monday, 4 September witnessed the third GEB project public seminar entitled “New Postgraduate Program in Geothermal Energy Engineering” at Ganope Petroleum Company. The opening speech has been delivered by both Prof. Hany Helal “the former minister of higher education and scientific research in Egypt”, and Eng. Moataz Khalil “the vice chairman of the board of directors of GANOPE, presenting the project importance to Renewable Energy in Egypt. Dr. Mohamed Elkarmoty (the project coordinator) presented the project status, the implemented and ongoing activities. Moreover a number of sessions were delivered to discuss the new post graduate program in Geothermal Energy Engineering at Faculty of Engineering – Cairo University and the available mobility opportunities to University of Bologna- Italy to the competent students.



“New Postgraduate Program in Geothermal Energy Engineering” Seminar at Ganope Petroleum Company, 4 Sep 2023”.

Geothermal Energy Capacity Building in Egypt

Recognition of the new postgraduate Diploma in Geothermal Energy Engineering.

One of the project main milestones has been accomplished when the post graduate program in geothermal energy engineering has been approved by Ministerial Decision No. 2228 in August, 2023. Diploma students enrollment has started in October, 2023 when The Egyptian Ministry of Petroleum submitted a list with the recommended students that have showed interest in the diploma to Cairo University. The students are from different companies such as Suez Oil Company, Khalda Petroleum Companyetc. The first day of teaching has been commenced on the 4th of November at Faculty of Engineering-Cairo University, starting with the welcome speech delivered by Dr. Mohamed Elkarmoty, followed by several lectures delivered to the students. Furthermore, the proposed educational curricula for the first semester has been conducted to students through a series of lectures extended throughout the whole semester from November to January. Additionally the first semester exams were held in the end of January.



The first teaching day of geothermal energy engineering diploma at Faculty of Engineering - Cairo University", 4 November 2023.



The geothermal energy engineering lectures for the first semester at Faculty of Engineering – Cairo University.



The geothermal energy engineering diploma exams at Faculty of Engineering – Cairo University in the end of January.

Geothermal Energy Capacity Building in Egypt

The GEB 5th consortium meeting in Zagreb.

The project partners have organized the fifth consortium meeting on the 7th and 8th of December, 2023 in Zagreb, to discuss the project status and the recommended updates regarding the upcoming project activities. In the first day a welcome speech has been delivered by both the Head of international office from University of Zagreb and Dr. Tomislav Kurevija to welcome the project partners. Followed by a discussion regarding the progress of the post graduate diploma in geothermal energy engineering. Moreover, the mobility of students to Bologna – Italy has been discussed to define the selection criteria on which the students will be selected to travel. Ideas to diploma graduation project were shared with the project partners through the consortium meeting as well. In the second day, the project partners discussed the rest of the project activities that should be implemented in last period of the project such as the final consortium meeting, final public seminar, pilot plant activities, English auditing for the diploma material and the technical auditing as well.



The GEB Consortium meeting in Zagreb, December 2023.

Geothermal Energy Capacity Building in Egypt

Advertising GEB

The project members have been keen on advertising the project to attract potential students, and to attract partners from the industry that are willing to adopt this technology and apply it commercially. This has been through the regular posts on the Facebook page (<https://www.facebook.com/gebproject>) that aim to increase people's knowledge and interest in Geothermal Energy and its potential as a clean and sustainable source of energy. Additionally, the participating institutions have mentioned the

project and its potential on their respective websites, links to these websites can be found on the project website (<https://www.geb-project.info/pages/Partners>). The tools being developed for the project, such as the pilot plant and the lab-scale model, will also be a powerful tool in showing the potential stakeholders the power of Geothermal Energy.

Disclaimer

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