



GEOHERMAL RESOURCE EXPLORATION AND POTENTIAL IN INDONESIA (WORKSHOP + FIELD TRIP)

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September 16 th – 18 th, 2015
Bogor, West Java

GEOHERMAL RESOURCE EXPLORATION AND POTENTIAL IN INDONESIA (WORKSHOP + FIELD TRIP)

Investment Fee : IDR 18.500.000,- / participant

The course fee includes meals (2x coffee break and lunch), training kits, training materials, group photograph, certificate. In order to allow sufficient time for arranging travel and processing document, participants are recommended to make an early enrollment.

About The Course

Most of geothermal exploration in Indonesia is targeting the high enthalpy geothermal system for utilization of electricity generation. Many of this high enthalpy system are associated with volcanic or magmatic heat source that can produce intensive surface manifestations which are often become the key to a successful exploration program.

In Indonesia, where the geothermal system mostly is associated with high terrain andesitic volcano, the occurrence of surface manifestation is strongly controlled by local geology, volcanic stratigraphy and hydrogeology of the prospect area, thus often the location of surface manifestation is not pointing to the targeted reservoir area. A missed interpreted reservoir area subsequently will lead to miscalculation of geothermal potential. Furthermore, the development of geothermal resource will not be based on the appropriate geosciences assessment. Therefore understanding the geothermal system and its manifestation is important in defining exploration strategy, estimation of resource potential and future planning of development.

Overview about content of the training :

The course will be conducted in two days class room lecture, discussion and assignment. At the first day it consists of introduction and discussion on the various type of geothermal systems, its exploration concepts mainly in the topic of exploration geology and to some extent exploration geochemistry and geophysics. This will lead to the consequences of strategy and method used in exploration. The second day will be focused on how to evaluate the geothermal potential in conjunction to the utilization of geothermal energy.

You Will Learn

Day 1

- Geology of Geothermal Occurrence and Classification of Geothermal System
- Surface manifestation, exploration concept, target and method
- Exploration Geology ; Method and Strategy
- Exploration Geochemistry and Geophysics at a glance

Day 2

- Evaluation of exploration data and calculation of resource potential
- Volumetric assessments of geothermal resources
- Development of geothermal energy; Strategy and Constrained
- Economic Analysis of Geothermal Energy

Who Should Attend

Geologist, Geochemist, Geophysicist, Geothermal Professional and Lecturers, Reservoir Engineer, Government Officer who interest in the early stage of geothermal energy development.

About Instructor

Dr. Eng. Suryantini S.T., Dipl Geothermal EnTech., M.Sc

Is a geologist and a teaching staff at Geothermal Study Program and Geology ITB. She graduated her Bachelor Degree from Department of Geology ITB, 1996. In 1999 she was granted a scholarship from NZODA MFAT to continue her study for pursuing the degree of Post Graduated Diploma in Geothermal Institute in University of Auckland, New Zealand. She completed her study and received her Diploma in Geothermal Energy Technology at the same year. In the mid 2001 she continued her study to pursue a degree in M.Sc., specialized in Mineral Resource Exploration and Evaluation from the Department of Geoinformation Science at ITC – Netherlands (now merged with University of Twente as a Faculty). Upon her arrival in Indonesia in 2002. Therefore in 2004, she continued her Doctorate Degree Education in Kyushu University Japan. In 2007 she was granted a Degree in Doctor of Engineering from Faculty of Earth Resources Engineering, Specialized in Geothermics from Kyushu University, Japan. Apart from lecturing she also conducting consultation work, in particular for geothermal exploration and development for Geothermal Private Companies. Her major projects are in Indonesia and Philippines, and some minor activities in Uganda and Tenerife Island. She also has actively participate in Geothermal Capacity Building in Indonesia in collaboration with Indonesian Geothermal Association, (API – INAGA-Indonesia), Resource and Reserve AdHoc Committee of International Geothermal Association (IGA), US-Indonesia Geothermal Capacity Building with USAID-Star Energy-University of Southern California, GFZ German, Geothermal Resources Council (GRC-USA), and Geocap (Netherlands-Indonesia).

Ir. Ali Ashat Dipl Geothermal EnTech, (Dr. Candidate)

Is a Geothermal Expert, Lecture and member of Advisory Board for Geothermal Study Program, Faculty of Mining and Petroleum Engineering, ITB. He took his Undergraduate Degree from Petroleum Engineering Department of ITB in 1996, in the topic of geothermal reservoir. Since then, he became an independent consultant for many national and overseas geothermal companies. His clients include PERTAMINA Geothermal Energy, Supreme Energy, Star Energy, Chevron Geothermal, Emerging Power-Philippines, IF Technology-Netherlands and many more. He has been working with various issues related to geothermal such as reservoir assessment, prospect evaluation, geothermal production, utilization, drilling, power plant, economic and environment. In 1999, he has an opportunity to pursue Post Graduate Diploma in Geothermal Institute, University of Auckland, New Zealand with Scholarship from NZODA MFAT. In the late 1999 he received his Diploma in Geothermal Energy Technology. He continues his consulting and research work, and also teaching in Petroleum Study Program and Geothermal Study Program. He is one of few Reservoir Simulation experts not only in Indonesia but also in the world. Currently he is continuing his degree in Geothermal Reservoir at Kyushu University and became a Doctor Candidate since 2013.

Cancellation, Substitution & Non Attendance Policy

Tuition fees are transferable but not refundable. Notification is required to substitute another participant, no later 5 working days prior to the program, should the nominated person be unable to attend. Late cancellation sometimes causes event to be abandoned. Non attendance participant will be full charged as all preparations will have been done.

Information & Registration

Biro Kursus IAGI

Phone : 022 2517886 (Bandung Office)
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Email : birokursus.iagi2@gmail.com
Website : www.iagi.or.id/kursus/



Biro Kursus



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Biro Kursus



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