



SEAMEO QITEP in Science Training Course on Earth and Space Science

Rationale

Earth is the only planet known to have abundant and complex life. The Earth's interlocking spheres (geosphere, hydrosphere, atmosphere, and biosphere) are dynamically balanced and sustained by energy from the Sun and from the Earth's core. Understanding how Earth and space systems interact, how they affect us, and how we affect them is vital for our survival. (Te Kete Ipurangi-MOE New Zealand, 2012)

Moreover, today we live in a time when the Earth and its inhabitants face many challenges. Our climate is changing and that change is being caused by human activity. Earth scientists recognised this problem and have to play a key role in efforts to resolve it. (Hobart King-geology.com) one of the topics in this field is on disaster risk reduction (DRR).

Earth observations (EO) and Space-based technologies are already playing a crucial role in contributing to the generation of relevant information to support informed decision-making regarding risk and vulnerability reduction and to address the underlying factors of disaster risk. For example, long series of Earth observation data collected over more than 30 years already contribute to track changes in the environment and in particular, environmental degradation around the world. (UN World Conference on DRR, 2015)

Responding to these challenges, SEAMEO QITEP in Science (SEAQIS) as a Centre focusing on the enhancement of science education quality has been developing whole school approaches in the promotions of Earth and Space Science Education since 2009 which conducted in partnership with many institutions. By conducting training on Earth and Space Science, teachers are expected to develop knowledge and skills in managing class activities related to earth and space. The target participants of this training are teachers and education personnel from junior and senior high schools which come from SEAMEO member countries (Brunei Darussalam, Cambodia, Indonesia, Malaysia, Myanmar, Lao, Philippines, Singapore, Timor Leste, Thailand, Vietnam)

Goals

This training programme aims to develop the teacher's content comprehension and supporting classroom activities development, also the latest issue related to the Earth and space science, for improving the quality of learning process in class.

dLearning Objective

After the training, participants should be able to:

1. describe the process of rock formation and earth history;
2. demonstrate how the tectonic plates move and how the landscape formed;
3. plan a school risk reduction and mitigation procedure;
4. Identify important concept relating to solar system; and
5. develop an interactive Earth and space lesson using simple hands-on activities.



Date and Venue

The training course will be conducted using full online mode from 28 June to 05 July 2022. The venue of the programme is in Bandung, Indonesia.

Target Audience/Participant

The target participants will be 30 senior high school science teachers from SEAMEO member countries.

Trainers

The training course will be supported by trainers and experts from several universities like Bandung Institute of Technology (ITB), Indonesia University of Education (UPI), Padjadjaran University (UNPAD).

Requirements

1. General Requirements

- a. No more than 52 years old.
- b. Have well understanding and good communication in English (please upload your test score from: <https://www.efset.org/quick-check/>, screenshot your score and upload it).
- c. **HAS NEVER** participated in any regular or regional training courses conducted by SEAMEO QITEP in Science (alumni data will be verified).
- d. Active teacher in school and/or active member of Teachers Association, etc.
- e. Good health condition.
- f. Should not be regarded as an expectant mother.

2. Additional Requirement

Science, physics, or geography teachers in junior or senior high schools is preferable.

How to Apply?

Visit the registration link below, upload the requested documents, and our officer will contact you for interview if you pass the administrative selection. The successful applicants will be contacted by our officer and will be announced in our Website and Social Media.

www.qitepinscience.org

Contact Person

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