

Global Warming Mitigation and Adaption by Balancing Sustainable Energy Management (GSEM)

Pogramme	Annual International Training Courses Thai International Cooperation Programme
Course Title	Global Warming Mitigation and Adaption by Balancing Sustainable Energy Management (GSEM)
Duration	June 3 - 19, 2015 June 1 - 17, 2016
Closing Date for Application	March 15, 2015 and March 15, 2016
Number of Participants	18-20
Eligible Countries	Asia: Afghanistan, Bangladesh, Georgia, Indonesia, Iran, Jordan, Kyrgyzstan, Malaysia, Maldives, Nepal, Oman, Pakistan, Palestine, Philippines, Sri Lanka, Tajikistan, Timor-Leste, Uzbekistan, Yemen, and Thailand Africa: Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Congo, Djibouti, Egypt, Eritrea, Ethiopia, Gabon, Ghana, Guinea, Lesotho, Libya, Malawi, Mali, Mauritania, Mauritius, Morocco, Namibia, Rwanda, South Sudan, Sudan, Swaziland, Tunisia, Zambia, Zimbabwe Pacific: Cook Island, Fiji, Marshalls Island, Nauru, Palau, Papua New Guinea, Vanuatu, Solomon Island, Tonga, Tuvalu Member Countries; FEALAC, OAS and CARICOM

Objectives

The course aim to:

- To build the capacity for participants in mitigate and adapt the global warming via the sustainable energy management concept.
- To produce the balancing sustainability towards global warming mitigation and adaptation
- To exchange the international idea of global warming mitigation and adaptation together with the network building among all participants.

Qualifications

Applicant for this course shold:

- At least bachelor degree in relation to environment, energy, and science.
- At least 2 year working experience
- Related closely to global warming and sustainable energy management
- Be able to bring own lap top computer for the whole training as there would be no hard copy distribution but file distribution

Course Contents

Week 1

- Introduction, and Documentation/ Pretest and Orientation
- Introduction to Global Warming Related Energy and Future by TGO
- Thai Green House Gas Organization
- Sustainable Development/ Sustainability Measurement
- Carbon Footprint and Water Footprint
- Introduction to Faculty of Environmental Management and PSU
- Introduction to Energy System Research Institute
- Sustainable Energy Management in Songkhla Lake Basin
- Country Paper and Discussion

Week 2

- Economic Value
- Stated Preference/ Revealed Preference
- Sankampang solar power plant/ Mae Kampong Micro hydro power plant
- Wrap up Chiangmai Site Visit
- Climate change, GHG emission from energy, industry and waste treatment

- Electricity generation from waste, waste management, renewable energy
- Environmental Aspects of RE compared to CE and RE Limitation
- Introduction to Waste Incinerator Power Plant/ Touring around Waste Incinerator Power Plant
- Wind Turbine
- Country Paper and Discussion

Week 3

- Sustainable Energy Management in City
- Management Concept for Project Implementation (ISO)
- Geography and Global Warming
- Natural Gas and Jana Power Plant/ Touring around the Power Plant and Discussion
- Visit to TTM Plc.
- Global Warming Mitigation and Adaptation, Case Study of Spanish Mosses
- Case Study of Rice and Climate Change/Case Study from other Climate Change
- Multi-criteria Decision Making
- Analytical Hierarchy Process/ Case Study of MCDM
- Country Paper and Discussion
- Wrap up/Network Building/Evaluation/Closing Ceremony

The purpose of site visiting is to show the development and the real balance in environmental, social, and economical aspect together with the concern of global warming.

Advance Assignment

Prepare Country Report to present by each participant every day. The format should follow the topic as follows; Introduction, Name of Training Course, Name of Applicant, Home Address, Organization Address, Position/Role/Responsibility/Tasks in Organization, Country Information - Geography, climate, population, language, social, education, and economics, Situation of environment, law, and regulation related to the training topic, Problem related to the training course

Reading Assignment

Please read about Global Warming, Kyoto Protocol, Energy Conservation, Renewable Energy, Sustainable Energy Management, and Sustainability Measurement

Project Assignment

The solving scheme will be assigned to the participants to designed and it will be presented and discussed at the end

Culture Assignment

At the end of the day, participant should prepare a performance to show for cultural exchange

Institution

The course will be conducted by:

Faculty of Environmental Management, Prince of Songkla,

Hadyai, Songkla 90110 Thailand

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