

AGEP

ASEAN-German Energy Programme

A quarterly newsletter that shares know-how, experience and information on renewable energy and energy efficiency & conservation in ASEAN and beyond

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EDITION



Editor's Note

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Dear Renewable Energy & Energy Efficiency Community,

Welcome to AGEP Newsletter edition June 2018. For the past three months, our team has been working hard to implement several of AGEP's activities; regional campaign strategy for renewable energy (RE) in ASEAN, RE grid integration exchange knowledge, green building codes, and the development of RE financing. These implementations involved active participation from stakeholders in the ASEAN Member States (AMS), which is highly useful for us to address their needs in order to better serve our purpose in supporting the AMS. We hope you find some takeaways from this newsletter. For those of you who celebrate, we would also like to wish you a **Happy Eid**.

In this Issue:

AGEP:

- ★ Workshop for RE Campaign Strategy
- ★ The 1st ASEAN Regional Training on RE Grid Integration Information
- ★ Workshop on Green Building Codes
- ★ Focus Group Discussion on RE Investment



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Promoting RE with Different Elements of Society in ASEAN Member States



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The ASEAN-German Energy Programme (AGEP) is developing a campaign strategy to promote the benefits of renewable energy (RE) in the ASEAN Member States (AMS). After preliminary focus group discussions (FGD) with ASEAN Renewable Energy Sub-sector Network (RE-SSN) and Energy Efficiency and Conservation Sub-sector Network (EE&C-SSN) last year, the next step in this activity was to organise an FGD to review existing analysis and insights gained in the previous FGDs with the SSNs, as well as to identify possible activities, key messages and key medium for the regional campaign.

This FGD was organised on 14-15 March 2018 in Bangkok, Thailand. It was designed to promptly gather perspectives and inputs from different elements of society, by gathering further insights on existing initiatives or campaigns in different AMS. In general, the FGD entailed a sharing session, a strength-weakness-opportunity-threat (SWOT) analysis session and a communication-specific session.



Credit: ACE

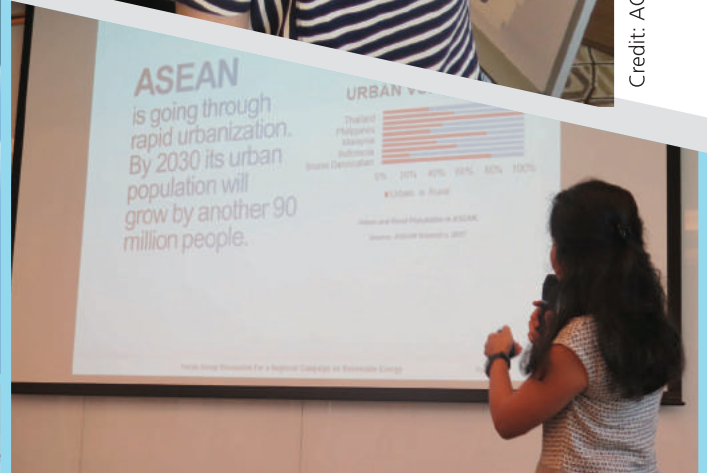
The FGD has successfully gathered valuable insights from ASEAN student representatives, private sector, civil society organisations, ASEAN University Network Secretariat, ASEAN Foundation, as well as RE regulators from Brunei Darussalam, Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, Philippines, Singapore, Thailand, and Vietnam. All participants showed their enthusiasm and motivation to be involved further in RE promotion activities. The two-day FGD was complemented by a site visit to Sunny Bangchak RE Learning Center in Ayutthaya.



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ASEAN Moves towards **Renewable Energy Grid Integration**

A regional guiding document, *ASEAN Plan of Action for Energy Cooperation (APAEC) 2016-2025* envisions the target of 23 percent renewable energy (RE) share in total primary energy supply (TPES) by 2025. To achieve this, ASEAN works collaboratively to set standards and labelling for energy efficiency (EE) requirements, conduct building codes with emphasis on energy efficiency and conservation (EE&C), and strengthen research in renewable energy (RE).

The ASEAN-German Energy Programme (AGEP) organises 'ASEAN Regional RE Grid Integration Training Series'. There are three training in the series that are held from March 2018 to February 2019. This is crucial in the region to strengthen knowledge sharing among ASEAN Member States (AMS) regulators. In addition, the training is designed to develop the capacity of AMS utilities in balancing the increase of RE sources and power system stability. Together with the Head of ASEAN Power Utilities/Authorities (HAPUA) Working Group 1 (Generation and Renewable Energy) and

Energynautics from Germany, the first training has been successfully executed on 20-21 March 2018 in Jakarta, Indonesia.

Participated by 35 technical experts from Indonesia, Malaysia, Singapore, Thailand, and Vietnam, the training covered comprehensive international and regional views on the concept and strategies of RE grid integration in AMS. The training also discussed regional issue on penetration of RE to the existing grids.

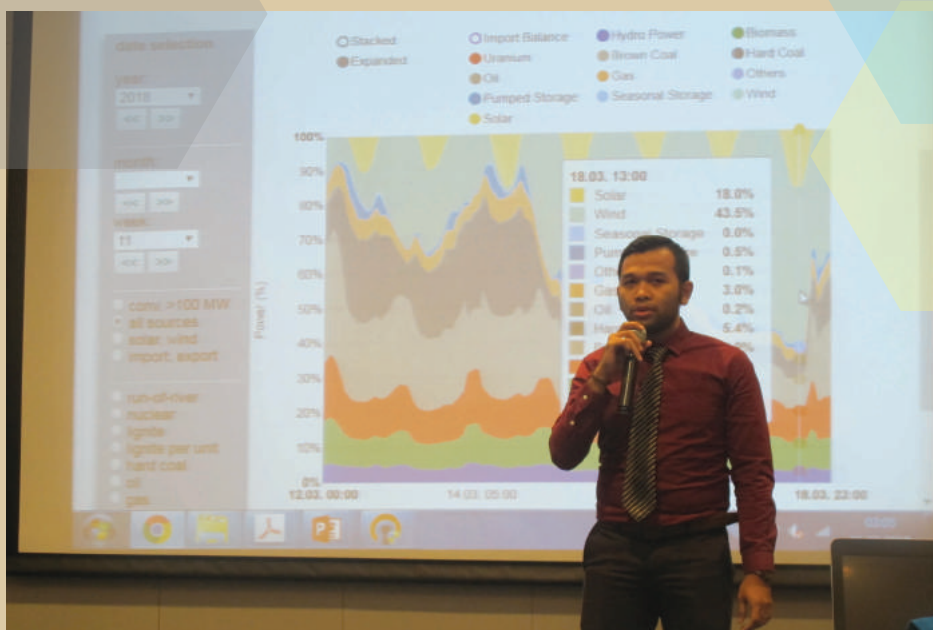
The result from the first training shows the challenge of massive integration between Variable RE (vRE) from RE System (RES) into the grid is related to economic and political issues, instead of technical. As a result, the training encouraged utilities and regulators to communicate effectively and establish consistent rules along with technical standards to fully utilise vRE and harness economic benefits to increase vRE deployment.



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ASEAN Energy Efficiency Consultation Workshop

The ASEAN Plan of Action for Energy Cooperation (APAEC) 2016-2025 aspires to achieve Energy Intensity reduction by 20 per cent in 2020 and 30 per cent in 2025. ASEAN-German Energy Programme (AGEP) contributes to the efforts by developing financial support mechanism for sustainable energy efficiency and conservation (EE&C) implementation and regional Green Building Codes (GBC) for new and retrofitted buildings.

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With the focus on EE financing, AGEP covers the mapping of EE financing, developing guidelines



Credit: ACE

(Malaysia and Thailand), best practices and recommendation. In the building sector, the project focuses on mapping of EE measures and GBC in ASEAN, along with the technical and policy recommendation. For that reason, a consultation workshop was organised during Energy Efficiency and Conservation Sub-sector Network (EE&C-SSN) meeting in Singapore on 18 April 2018.

In this workshop, preliminary findings of draft studies on EE financing and EE in buildings were presented, among others as follows:



1. EE financing: the mapping study identified various schemes to finance EE in ASEAN Member States (AMS). Some Member States have advanced financing mechanisms while some others are yet to develop similar mechanisms. Malaysia and Thailand were shortlisted based on the mapping study for preparation of EE financing guidelines.

2. GBC: The mapping of EE in the building sector shows that some AMS are implementing mandatory codes, such as building EE and GBC. Meanwhile, some are yet to develop and implement measures to improve EE in the building sector. A comparison between AMS based on various parameters were made and recommendations (technical and policy) were prepared.

The half-day consultation workshop collected feedbacks for the document drafts in smaller groups through world café methodology and group discussion. Based on the feedbacks received, the documents will be presented in an upcoming activity planned for GBC and EE financing in July and August respectively. The mapping studies (GBC and EE financing), technical and policy recommendation on GBC will be presented to the ASEAN Ministers on Energy Meeting scheduled in October 2018. (AS)



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Enabling Renewable Energy Investment in ASEAN through Insurance and Guarantee Mapping

In an effort to accelerate the regional integration of sustainable energy strategies, ASEAN-German Energy Programme (AGEP) formulates an activity to map insurance and guarantee schemes. The activity includes a focus group discussion (FGD) that confers the roles of key stakeholders along with ways of insurance and guarantee instruments that are in practice.

The FGD on Enabling Renewable Energy (RE) Investment in ASEAN through Insurance and Guarantee Schemes was held on 5 April 2018 in

Jakarta, Indonesia. The attendees were insurance and guarantee providers, financial institutions and project developers from Indonesia, Malaysia, the Philippines and Singapore. Experts from Multilateral Investment Guarantee Agency (MIGA) and Axis Capital (a private insurance company based in Singapore) shared about insurance and guarantee products to be utilised in the RE project development phases. Apart from that, project developers from Indonesia and the Philippines presented their experience in insurance and guarantee schemes for RE project development.



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Enabling Renewable Energy Investment in ASEAN through Insurance and Guarantee Mapping

The result from this FGD shows that insurance and guarantee schemes are effective to reduce risks in different RE project phases and to increase project's bankability. The insurance and guarantee instrument landscapes are expected to contribute to a positive market development involving more local products and players within the ASEAN region. A report on the insurance and guarantee products is going to be released during the 36th ASEAN Ministers on Energy Meeting in Singapore later this year.



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We always look forward to your news and articles on RE & EE.
Let's get connected with RE and EE community in ASEAN and beyond!

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