

Who's Who On This Program

Sponsor:



EU SWITCH Asia

Lead Applicant:



European
Copper Institute
Copper Alliance

Management and Coordination:



International Copper
Association Southeast Asia
Copper Alliance

Partners:



Electrical and
Electronics Institute
(Thailand)



SIRIM QAS
International
(Malaysia)



Research Center for
Energy and Environment
(Vietnam)



Integrated Institute
of Electrical Engineers
(Philippines)



United Nation Environment Program
Division of Technology, Industry &
Economics, Energy Branch (Bangkok)

Associates:

10 ASEAN ministries in charge of energy
(EE&C SSN Focal Points)

Project Start-End Period:

28 Dec 2012 – 27 Dec 2016

For more information

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ASEAN Standards Harmonization Initiative for Energy Efficiency

Promotion and Deployment of Energy Efficient Air-conditioners in ASEAN



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by the European Union



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implemented by

 International Copper
Association Southeast Asia
Copper Alliance



Promotion and Deployment of Energy Efficient Air-conditioners in ASEAN

- Being one of world's fastest growing regions, ASEAN energy demand will increase at 80% and CO2 emissions to reach 5% of global output by 2030
- According to an independent market study, potential savings for harmonizing both air conditioners and refrigerators energy efficiency performance standards could reach 13.9 TWh per annum in Southeast Asia.
- The approximate technical energy savings amounted to 5,373 GWh if the region adopted the use of room air-conditioners that of EER 3.2.
- There is a pressing need for energy efficiency to ensure security, growth, and sustainability.

In ASEAN countries, inefficient air-conditioners have contributed to environmental problems due to inefficient electricity consumption as well as high greenhouse gas emissions. Addressing this challenge might be difficult unless non-tariff barriers are removed to enhance regional market integration for higher efficiency air-conditioners.

The project aims at increasing the market share of higher efficient air-conditioners through harmonization of test methods and energy efficiency standards, adoption of common Minimum Energy Performance Standards, and changing consumer purchasing attitudes in favor of energy efficient air-conditioners.

Target groups include policy makers, standards-making bodies, testing laboratories, manufacturers and consumer organizations.

FOUR-YEAR PROGRAM ACTION PLAN

| 2013 | 2014 | 2015 | 2016 |
|------|------|------|------|
|------|------|------|------|

WP1 The ASEAN SHINE is established and its sustainability is ensured allowing activities to continue in the future and harmonization of EE standards for other appliances

WP2 The standards for testing methods related to the energy performance of ACs are harmonized in ASEAN

WP3 MEPS/HEPS are developed and harmonized in ASEAN countries and a regional policy roadmap is adopted

WP4 National policy roadmaps for increase of MEPS are developed and adopted

WP5 The capacity of testing laboratories on the new test methods and MEPS is built

WP6 ASEAN domestic AC manufacturers increase their production/commercialization of higher efficiency ACs

WP7 Consumers in ASEAN are educated on the economic benefits of higher efficiency ACs and change their purchasing behavior in favor of higher efficiency ACs

ASEAN Standards Harmonization Initiative for Energy Efficiency

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