



International Copper  
Association  
Copper Alliance

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# APEC – ICA Cooperation

EGEEC 54<sup>th</sup> meeting, Cebu, Philippines, 23 September 2019

Jean-Marc ALEXANDRE

International Copper Association

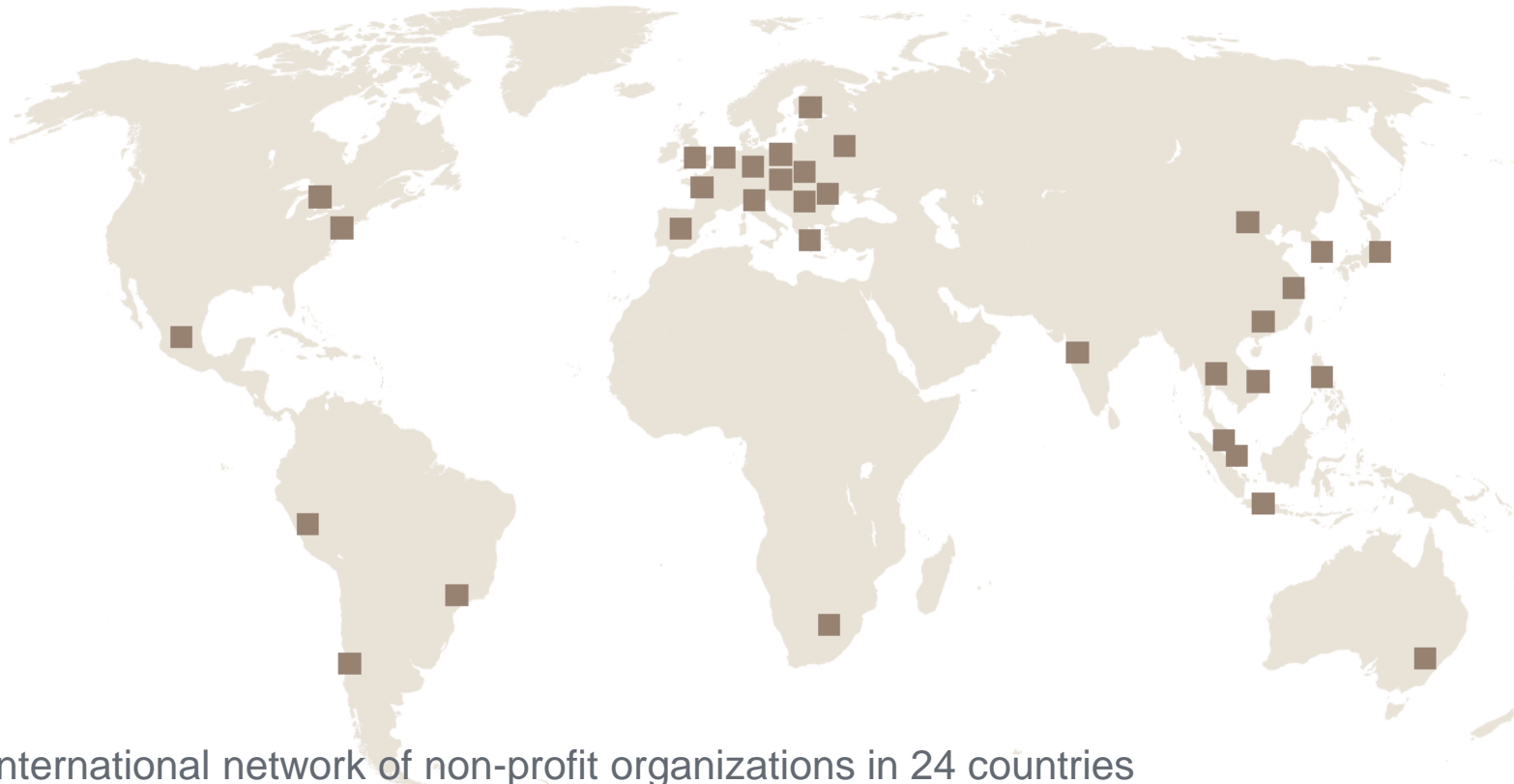
Manager – Partnerships Asia



# The Copper Alliance Network

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World Presence

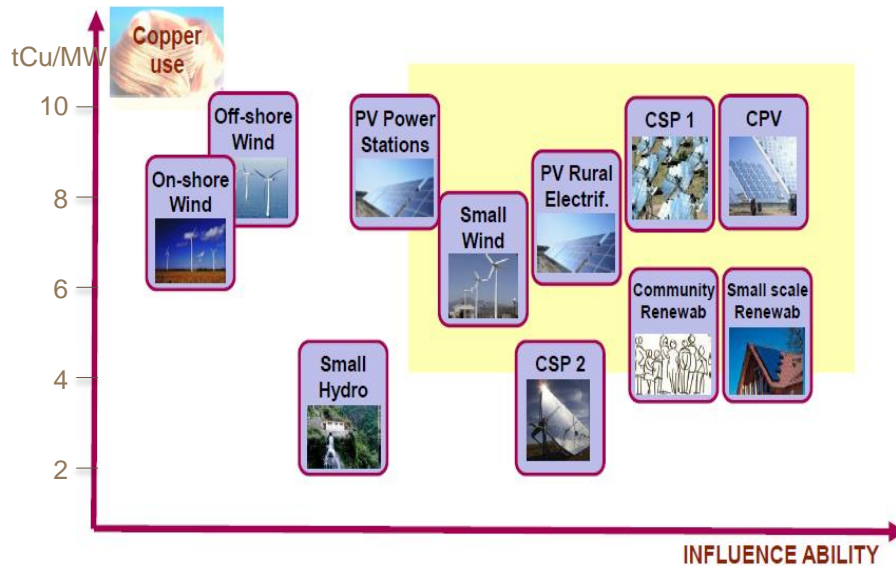


- International network of non-profit organizations in 24 countries
- Headquarters in New-York
- Local presence in Asia: People’s Republic of China, Thailand, Indonesia, Viet Nam, Singapore, Chinese Taipei, Republic of Korea, Japan, Malaysia, India

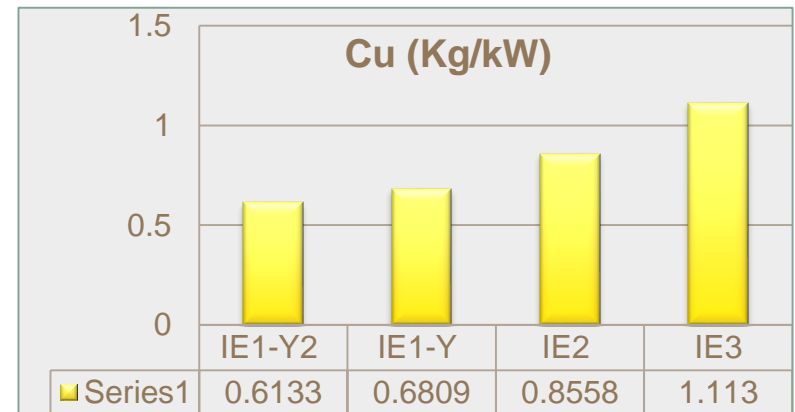
# Copper and Sustainable Energy

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- Copper is the most efficient thermal and electrical conductor (40% more efficient than aluminum)
- Energy efficiency and renewable energy systems imply more copper



Industrial electric motors

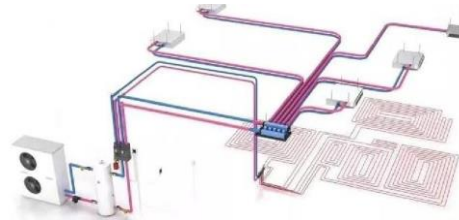
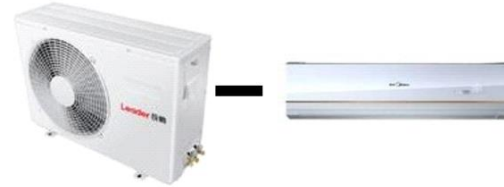


ICA promotes renewable energy and energy efficiency as a means to support the use of copper

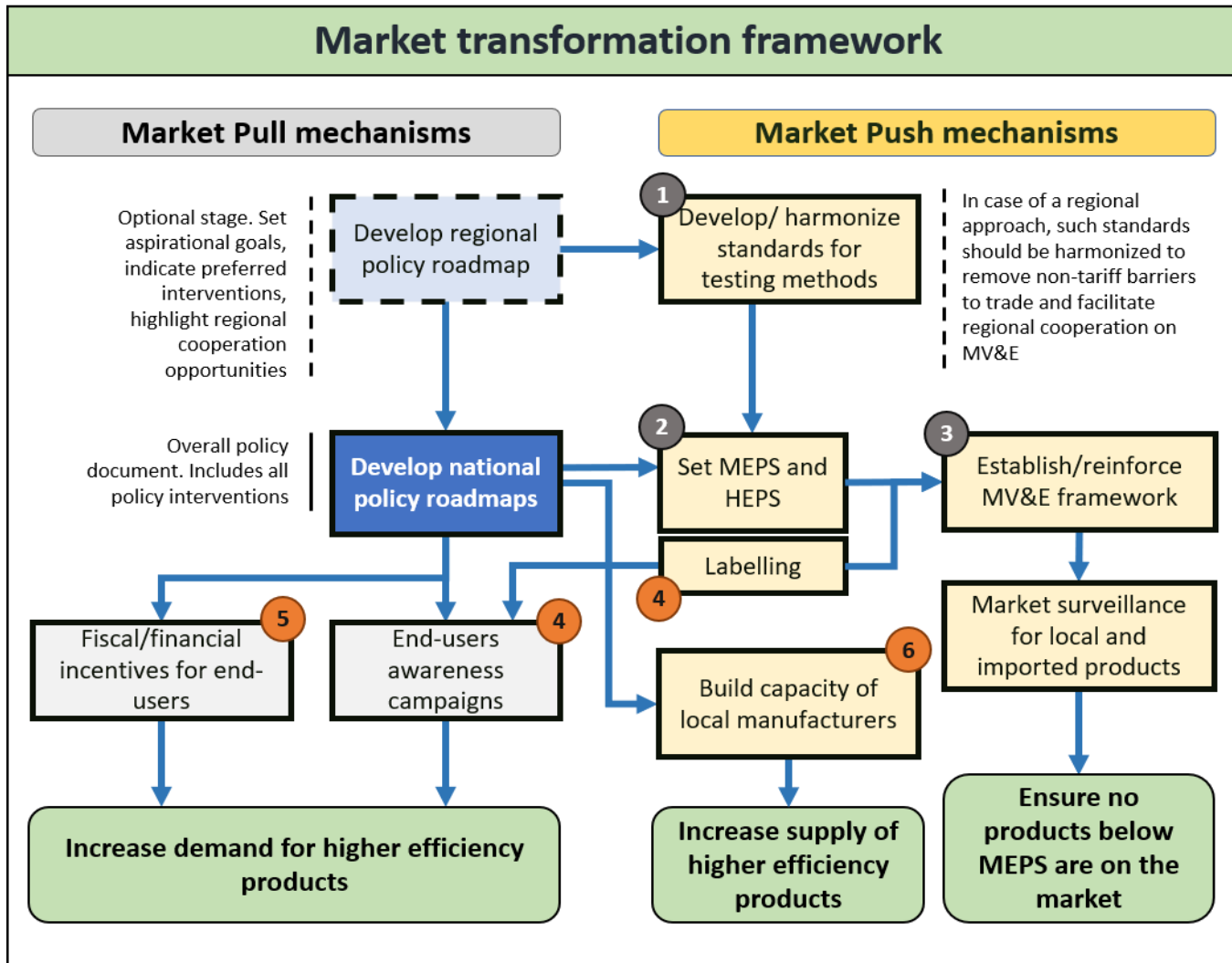
# Supporting accelerated deployment of higher efficiency appliances and equipment

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## Energy Efficiency



+ Renewable energy technologies



# ICA and international cooperation

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- **With European Commission:** over 9 million euros of grants since 2010 in 6 projects to promote higher efficiency motors, higher efficiency air conditioners, heat pump water heaters, energy management, higher efficiency distribution transformers, power quality



- **With UN Environment:**
  - overall Memorandum of Understanding
  - ICA implementing agency for **U4E** and **ASEAN SHINE**



- **With APEC:**
  - Only non-government private organization with observer status in EWG
  - ICA acts as implementing partner with Project Overseers contributing additional human and financial resources



- **Six projects implemented in cooperation:**
  - APEC funding: 750,000 USD
  - ICA co-funding: 900,000 USD (in-kind and in-cash)
  
- **Including:**
  - 2 projects with SEAD's **APEC-CAST**
  - 1 project with **EGNRET** (with USA as Sponsor economy)
  - 4 projects with **EGEEC** (with the following Sponsor economies: USA, Japan, Australia, China)

# APEC and ICA Cooperation: ASEAN SHINE

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## U4E Model Regulations / procurement guidelines

Available now!

Light Bulbs

Linear Lamps



Coming soon  
(end 2019)



Residential  
Refrigerators

Room Air  
Conditioners

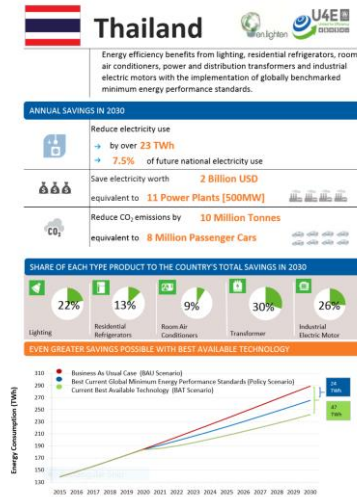


Electric  
Motors



Distribution  
Transformers

## Revised U4E Country Savings Assessments



- Available for 150 countries
- Currently used by policymakers to develop projects and prioritize products, by banks to set terms for energy-efficient loans, funders etc.

- EWG 05/2018A
- **Project Overseer:** USA (Cary Bloyd - PNNL)
- **Project Partners:** Underwriters Laboratories (UL) and ICA
- **Objective:** inform the regulatory and policy environments within APEC and ASEAN of the benefits of harmonization of standards and conformity assessment approaches to facilitate trade of energy efficient electric motors and accelerate progress toward energy intensity reduction in the region

# Project EWG 05/2018A: Aligning Conformity Assessment Efforts for EE Regulations of Motors in the APEC and ASEAN Regions

## Review of conformity assessment frameworks status in APEC (January – March 2019)



### Scope & Product Type:

- Motor type.
- Rating.



### Regulation & Standard:

- Regulation.
- Test standard.



### Conformity Assessment:

- Test report and laboratory.
- Sampling.



### Enforcement:

- Mandatory.
- Voluntary.



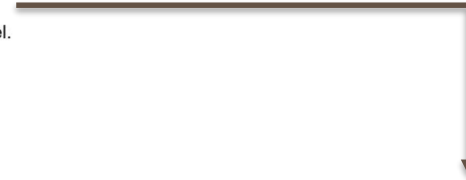
### Labeling:

- Marking.
- Energy label.



### Registration:

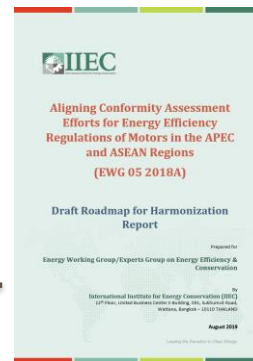
- Yes.
- No.



## Preparatory workshop 19 March 2019



## Draft report (under preparation)



## Final workshop (28-29 Oct. 2019 – Chinese Taipei)

Countries	Status
Chile	1 confirmed
Indonesia	2 pending
Malaysia	2 confirmed
Papua New Guinea	1 Confirmed
Philippines	3 confirmed
Singapore	2 pending
Thailand	3 confirmed
Vietnam	2 confirmed

**Thank you**

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