



## Regional Harmonization: ASEAN Shine Initiative

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International Copper Association  
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# Partner Organisations

## MANUFACTURERS & INDUSTRY ASSOCIATIONS



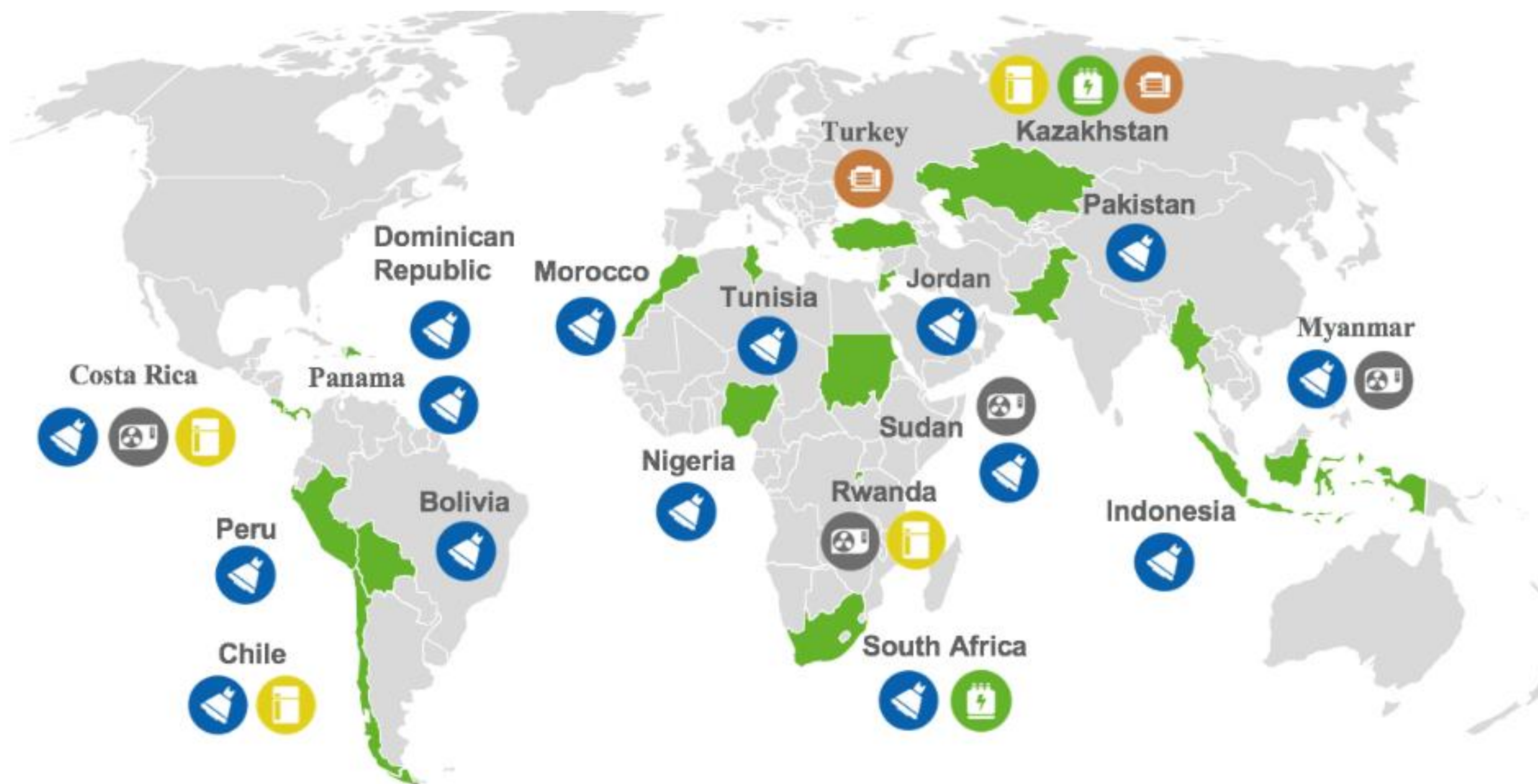
## TECHNICAL ORGANISATIONS & INITIATIVES



## Funders & Implementing Agencies



# National Projects





# Regional Collaboration



# U4E Regional Work-ASEAN SHINE

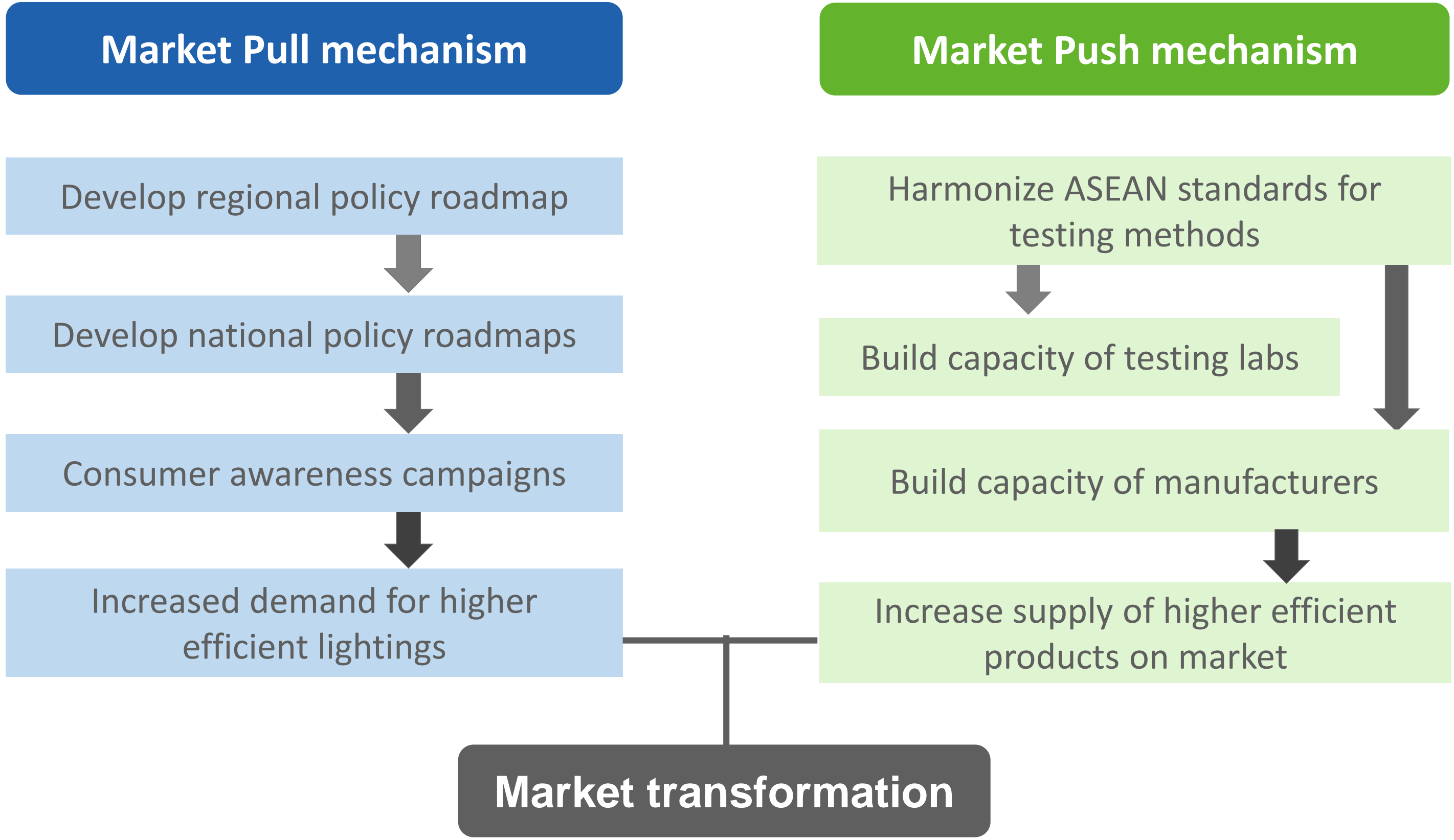
## Background information

- **ASEAN SHINE** is a **Private Public Partnerships** between UN Environment and ICA in support of United for Efficiency and Sustainable Energy for All
- **ASEAN SHINE** is endorsed by ASEAN Ministers of Energy Meeting (AMEM) as dialogue partner
- **ASEAN SHINE** covers lighting, appliances and equipment



# ASEAN SHINE – Regional Market Transformation approach

## Program Approach



- **Work Package 1:** ASEAN Regional Lighting Market Assessment
- **Work Package 2:** Harmonized Performance and Test Method Standards for Selected Lighting Products
- **Work Package 3:** ASEAN Regional Policy Roadmap
- **Work Package 4:** National Lighting Roadmaps and capacity building activities for Policy Makers
- **Work Package 5:** Capacity Building on monitoring, verification and enforcement for Compliance and Enforcement Authorities
- **Work Package 6:** Capacity Building for Local Lighting Manufacturers
- **Work Package 7:** Supporting policies, Awareness Raising Campaigns and Activities



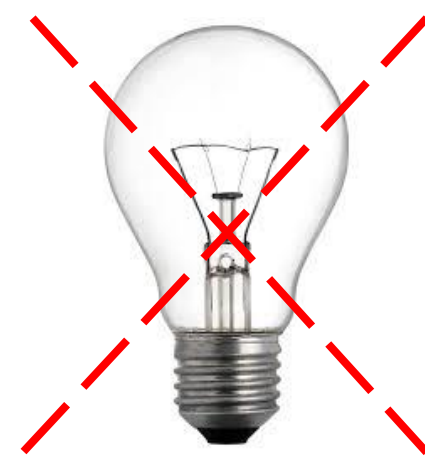


# Application of the market transformation approach: e.g. lighting

Energy Efficiency of Products in the Market



- ✓ Promote efficient products (e.g. labels, awareness campaigns)
- ✓ Offer incentives (e.g. rebates, financing, bulk buy discounts)

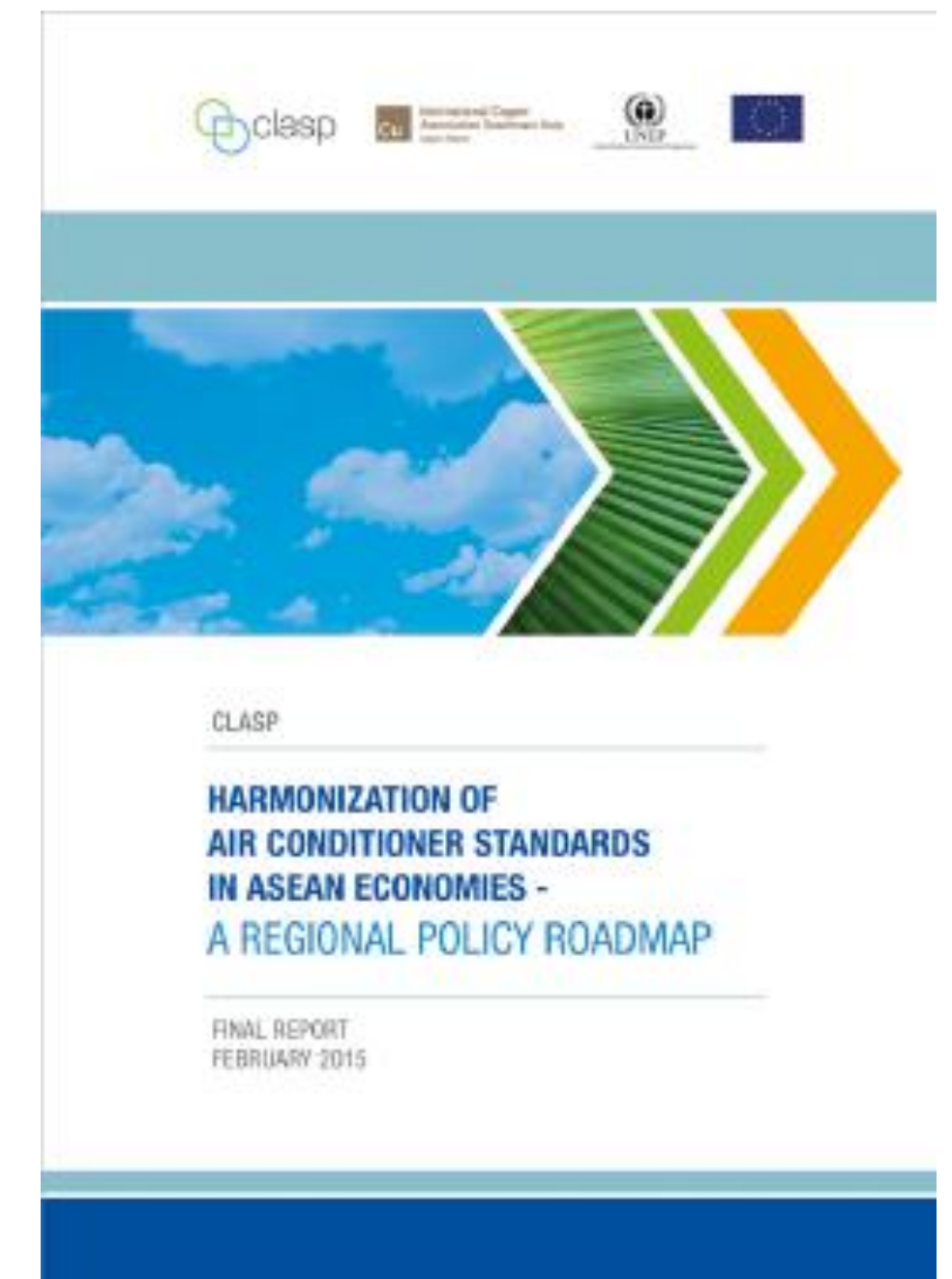


- ✓ Ban inefficient products via mandatory performance requirements

- ✓ Monitor the market, test the products, enforce the rules
- ✓ Recycle / dispose old products sustainably

# Achievements for Air Conditioners

- Testing method standards harmonized in ASEAN (ISO 5151:2010)
- Regional Policy Roadmap endorsed by AMEM
- National policy roadmaps in 7 ASEAN countries (endorsed by relevant ministry of energy) to promote higher efficiency ACs
- Capacity building for testing labs and local manufacturers
- Consumer awareness campaigns (to address households market)



AC SELECT





## Air conditioners - Impacts

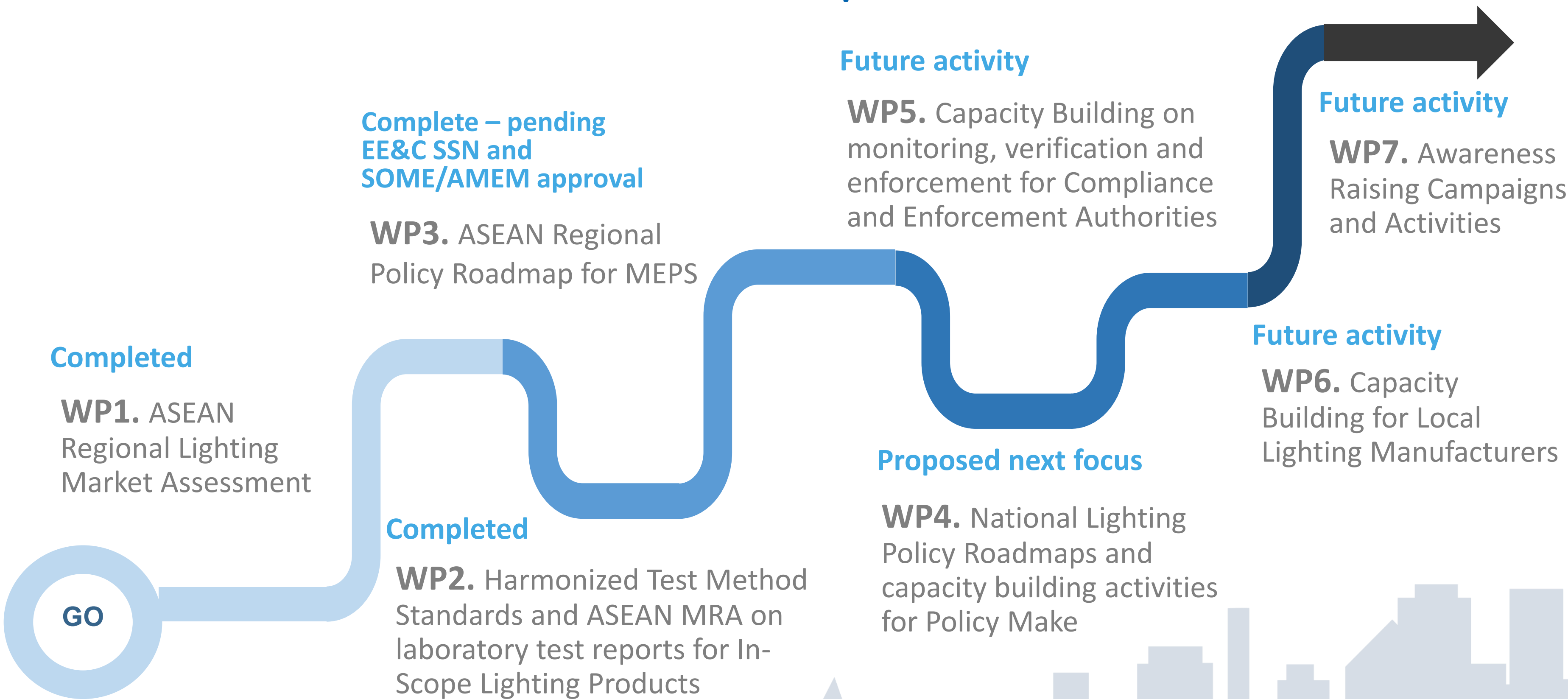
- Ex post evaluation conducted by IIEC
- IIEC also investigated the potential for replacement of inefficient ACs with higher efficiency ones in the non-residential building sectors: tourism, hospitals, government buildings, ...

Impacts and Benefits Residential Buildings	
Cumulative Electricity Savings 2016-2019, GWh	3,456
Direct Emission Reduction Effect of the Project (2016-2019), kt of CO2	2,214

Impacts and Benefits Non-Residential Buildings	
Cumulative Electricity Savings 2017-2019, GWh	7,995
Direct Emission Reduction Effect of the Project, kt of CO2	4,992

# ASEAN SHINE – Lighting: Progress

## Work plan





**Thank  
You**

TRANSFORMING MARKETS TO ENERGY-EFFICIENT PRODUCTS



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