

Using product standards to protect consumers across ECOWAS

Ari Reeves
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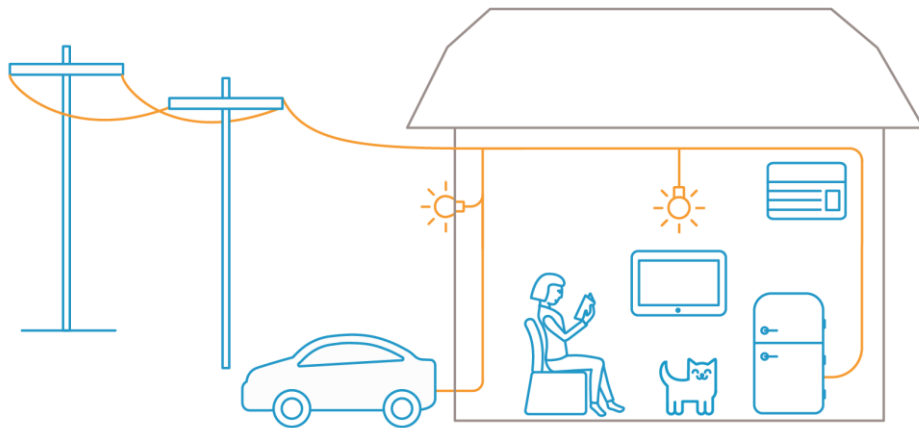
Accelerating our transition to a more sustainable world

CLASP improves the energy and environmental performance of the appliances & equipment we use every day



High-quality energy-efficient appliances

On-grid



Save Money

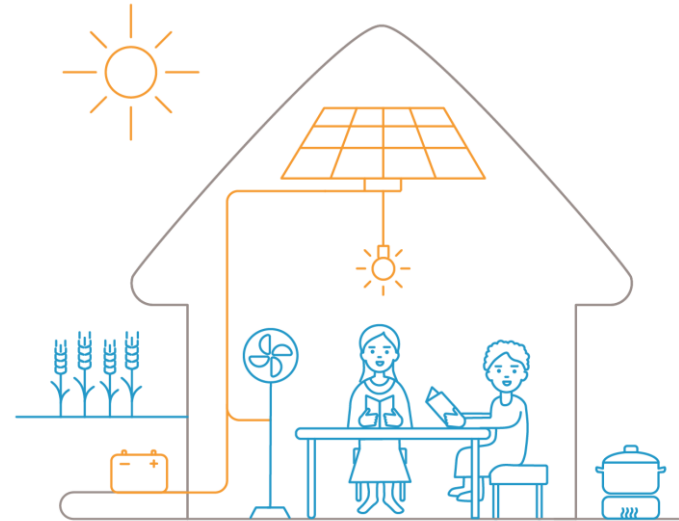


Reduce Energy Demand



Mitigate Climate Change

Off-grid & Weak-grid



Reduce Energy Supply Cost



Increase Energy Access



Improve Quality of Life

What we do



- **Energy & Quality Standards** to keep inefficient, cheap products off the market



- **Policy Compliance, Testing & Quality Assurance** to ensure products perform & markets are fair to all



- **Product Labeling & Consumer Education** to attract consumers to good products & inspire demand



- **Awards & Product Recognition** to reward early-movers & accelerate markets

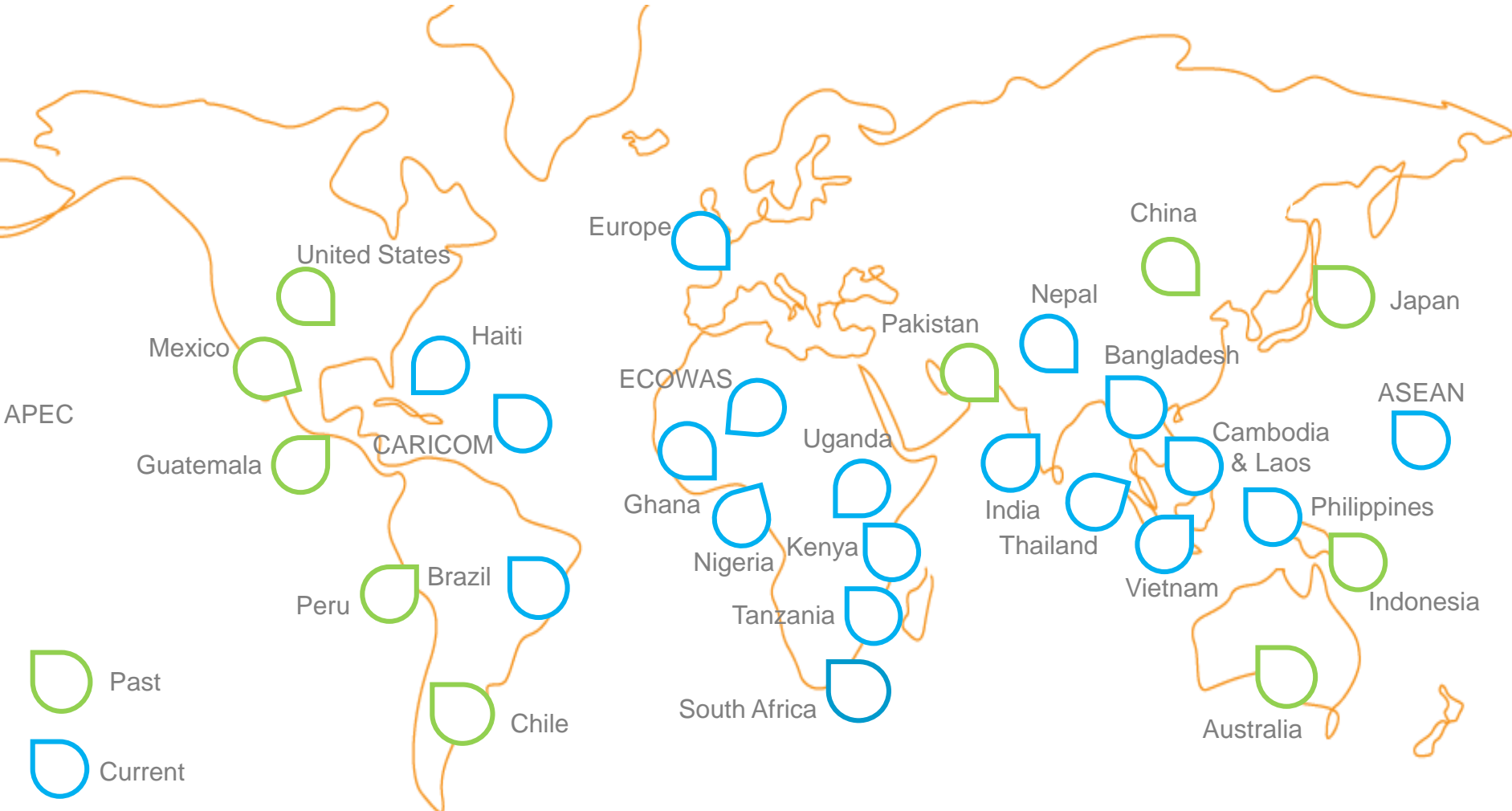


- **Procurement, Incentives & Bulk Buys** to incentivize innovative manufacturers, reduce risks for all & saturate markets



- **Global Collaboration & Knowledge Sharing** to leverage cutting edge & collective knowledge and forge productive partnerships

Where we work

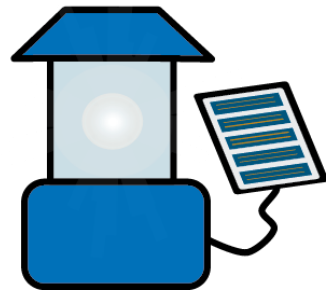


Standards adoption & implementation



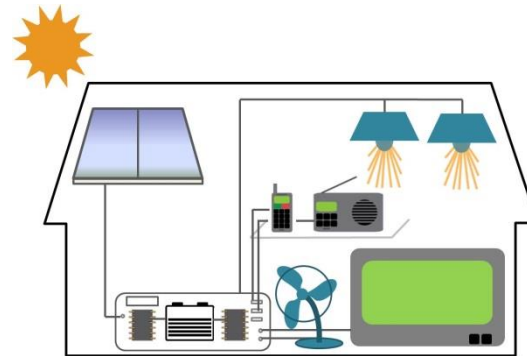
Off-grid or “standalone” solar energy products

Pico-PV Products



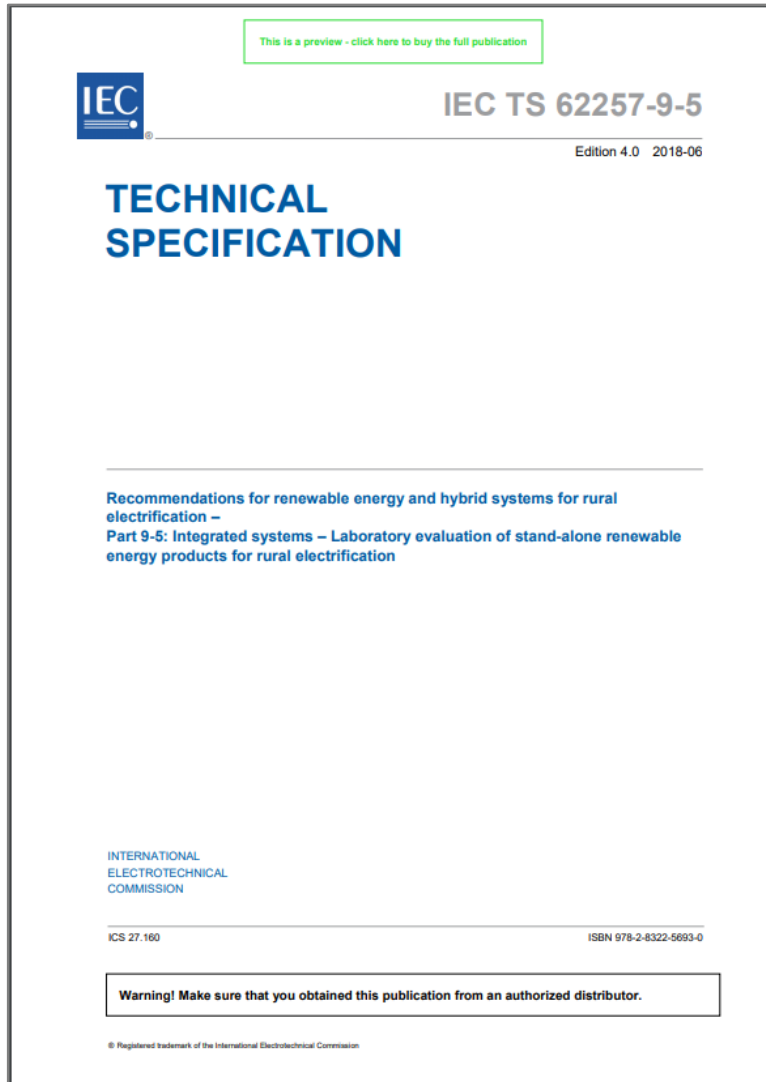
($\leq 10 W_p$)

Solar Home System Kits



($10 W_p - 350W_p$)

IEC standards for standalone solar products




- Test methods in IEC/TS 62257-9-5
- Quality standards in IEC/TS 62257-9-8 [forthcoming]


Regional adoption of IEC standards


- IEC *test methods* and *quality standards* validated and recommended for adoption by ECOWAS!
 - ECOWAS Standards and Labelling Technical Cmte. 21-22 May 2019 in Dakar, Senegal
 - ECOSHAM Technical Management Committee (TMC) 23-25 May 2019 in Dakar, Senegal
- IEC *quality standards* to be examined only after they are adopted by the IEC.
 - ECOWAS Harmonization Committee


CLASP assisting with regional and national adoption



Proposed
ROGEP
Regional Off-Grid Electrification Project
Promoting Standalone Solar Systems in West Africa
www.ecreee.org

Financed by  WORLD BANK GROUP

With support from  LIGHTING AFRICA



AFRICA CLEAN ENERGY (ACE)
TECHNICAL ASSISTANCE FACILITY (TAF)

Benefits of Pico-PV & SHS Kit Standards Harmonization

Reduce the prevalence of sub-standard products while fostering innovation and maintaining consistency across international markets.



Consumers & markets

- Increased market consistency
- Reduced market spoilage
- Increased sales and market growth
- Greater variety of high quality products available
- Reduced cost of doing business and product prices



Standards agencies, customs & conformity assessment programs

- Increased confidence in standards
- Minimal investment required
- Increased ease of standards adoption
- Simplified regulations



Other stakeholders

- Bulk procurers
- Development agencies
- Manufacturers
- Importers & Distributors
- Financial institutions
- Finance programs
- Investors

Kigali Cooling Efficiency Program

Inspired by Kigali Amendment to the Montreal Protocol

- Commitment to cut refrigerants use (hydrofluorocarbons) in cooling equipment

Total donor commitment of \$52 million

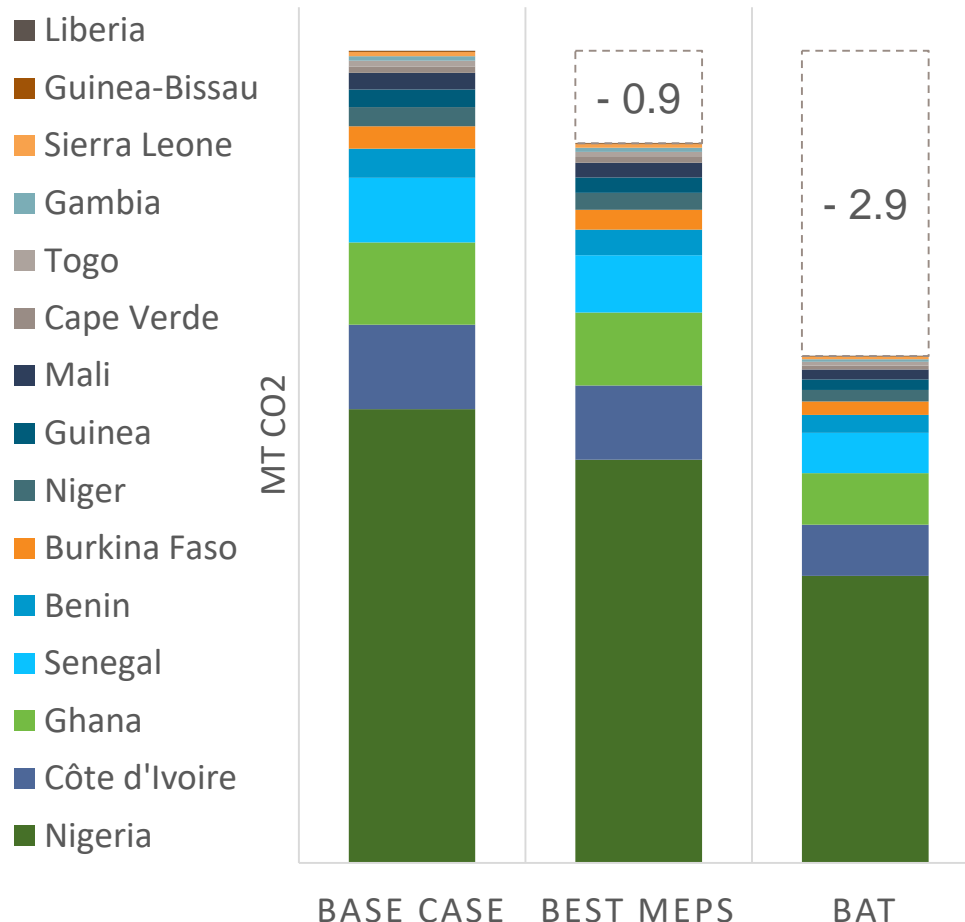
- Addressing the energy use and refrigerant use of cooling equipment



Potential to avoid between 0.5° and 1° Celsius of warming by increasing efficiency and phasing down HFCs

Why does air conditioning energy efficiency matter?

2030 ECOWAS EMISSIONS SAVINGS BY POLICY SCENARIO



- Implementing **MEPS** in ECOWAS would avoid over **0.9 Mt CO₂** in emissions relative to business as usual scenario.
- Transforming markets to best available technologies (**BAT**) would avoid more than **2.9 Mt CO₂** in emissions.
- **Robust compliance frameworks are critical** to safeguard emissions savings from MEPS and BAT policies.

ECOWAS Compliance Cooling Project

- Support implementation of ECOWAS regional EE standards
- Lay foundation for regional compliance collaboration on cooling products
- Prevent dumping of inefficient products across borders by increasing capacity for compliance through:

Compliance Training

Conduct training workshops for compliance officers and policy makers

Distribute best practices suitable for ECOWAS market

Regional Product Database

Develop regional cooling product database for online information-sharing

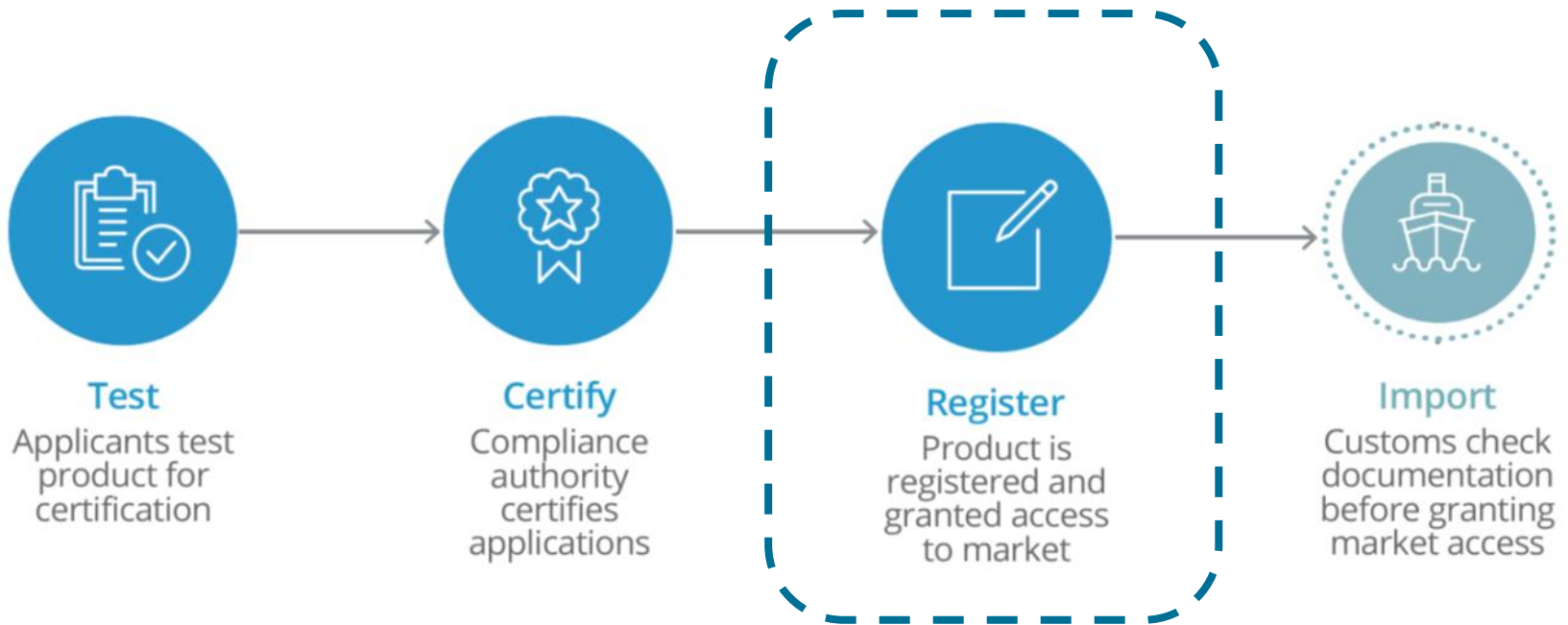
Enable customs officials to restrict entry of inefficient cooling products

Testing Capacity

Financial modeling tool for building a business case to establish a national testing laboratory

Guidelines to meet testing needs under S&L program

Role of product databases in the compliance process



Databases can also contribute to other compliance activities, including:

- Tracking products already on the market
- Identify non-compliance and communicate to prevent future cases

Why a database for ECOWAS?

- Similar products imported across multiple markets
- Appliance energy efficiency programmes at various stages of development throughout the region
- Each country's compliance efforts can leverage those of their neighbours
- Achieve maximum impact at minimum cost

Reduced
Costs

Facilitate
Trade

Streamlined
Registration

Maximized
Impacts

Contact

Learn more at www.clasp.ngo

Ari Reeves

Senior Manager

CLASP | 1401 K Street NW Suite 1100

Washington DC 20005 | USA

Email: areeves@clasp.ngo

