

Efficiency for Agricultural Technologies: An Expert Conversation on Latest Findings, Remaining Gaps and Future Outlook

19 February 2019

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Agenda

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**Welcome &
Introductory
Remarks**

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**Overview of the
Clean Energy
Solutions Center**

- **Philip Voris**, Clean Energy Solutions Center

**Overview of Efficiency
for Access**

- **Yasemin Erboy Ruff**, Senior Associate, Efficiency for Access, CLASP

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Presentations

- **Makena Ileri**, Senior Associate, CLASP
- **Kat Harrison**, Director of Impact, Lean Data
- **Abishek Bharadwaj**, Program Manager Advisory, Energy 4 Impact

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**Question and
Answer Session**

Clean Energy Ministerial

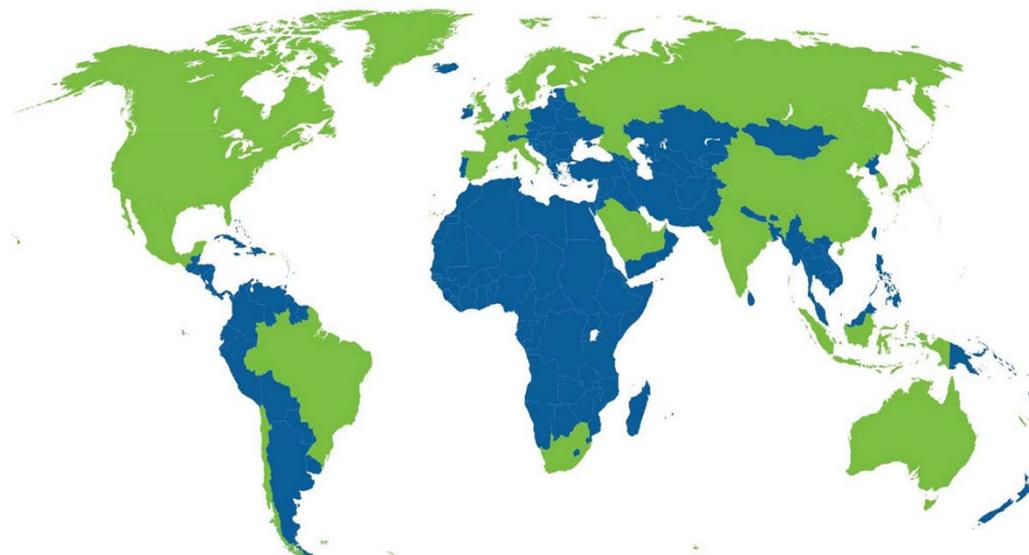


The Solutions Center:

- Launched under the Clean Energy Ministerial (CEM) in 2011

Clean Energy Ministerial:

- A high-level global forum to promote policies and programs that advance clean energy technology, to share lessons learned and best practices, and to encourage the transition to a global clean energy economy.



90%
of
Clean energy
investment

&

75%
of
Global CO₂
emissions

Solutions Center: Background & Vision

- Multilateral initiative, of the Clean Energy Ministerial, is co-led by the Australian Department of the Environment and Energy, the Swedish Ministry of the Environment and Energy, and the U.S. Department of Energy.
- Additional funding support from Power Africa & the Hewlett Foundation
- The Solutions Center is a unique CEM initiative assisting countries in all regions of the world in strengthening clean energy policies and finance measures
- Supporting transition of clean energy markets and technologies



Solutions Center: Goals and Audience

Programs and Services

- **Team of 60+ experts from around the globe responded to 450+ requests for policy support from more than 90 countries**
 - Extensive support across Africa, Asia, and LAC
 - Launched support for finance measures in 2015
- **Trained over 15,000 officials through more than 225 webinars and training events with others**
- **Strong & growing partnerships with development agencies and regional and global organizations in delivery of support**
- **Over 2500 resources in curated library for policy makers**

Target Audiences

- **Primary**
 - Government Policy Makers and Advisors
- **Secondary**
 - Private-Sector Companies
 - Energy Entrepreneurs and Investors
 - Non-Governmental Organizations
 - Civil Society
 - Others Engaged in Clean Energy

Solutions Center: Partnerships

More than 35 international partners:

- Climate Technology Center and Network (CTCN)
- ECOWAS Center for Renewable Energy and Energy Efficiency (ECREEE)
- Inter-American Development Bank (IDB)
- International Energy Agency (IEA)
- International Partnership for Energy Efficiency Cooperation (IPEEC)
- International Renewable Energy Agency (IRENA)
- Low Emission Development Strategies Global Partnership (LEDS-GP)
- Renewable Energy Policy Network for the 21st Century (REN21)
- Sustainable Energy for All (SEforALL)
- United Nations Environment Programme (UN Environment)
- USAID Power Africa (USAID PA)

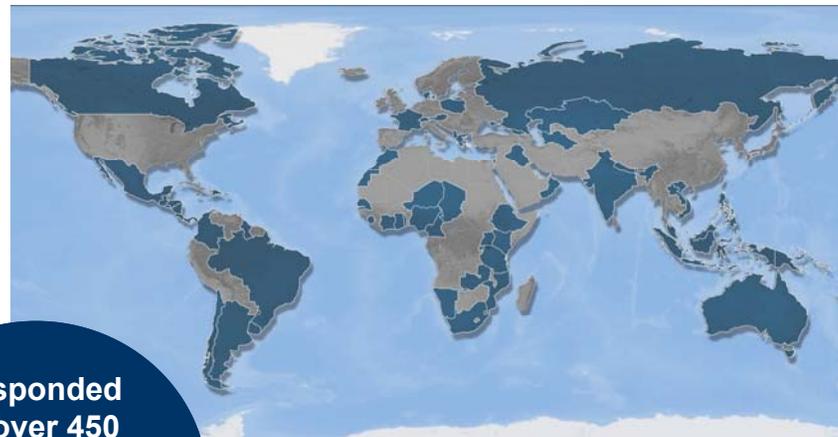


Ask an Expert: Our Experts in Action



We connect you to a global network of energy experts for personalized attention and quick response technical assistance on **strategies, regulations, standards, financial incentives, and energy transition programs** for a broad range of clean energy sectors and technologies including:

- Energy Access
- Energy Efficiency
- Renewable Energy
- Smart Grid
- Transportation
- Utilities
- Carbon Capture Utilization & Storage



Responded to over 450 requests for assistance from over 90 countries.

To request assistance, register on <http://cleanenergysolutions.org/expert>

Yasemin Erboy Ruff, Senior Associate, CLASP



Yasemin is an international sustainable development professional with seven years of experience in clean energy access. In her role at CLASP, Yasemin manages the Efficiency for Access Coalition's donor roundtable and leads stakeholder engagement, materials development, and communications across the Coalition ecosystem as well as its flagship programme, Low Energy Inclusive Appliances (LEIA) supported by UK aid. Prior to joining CLASP, Yasemin managed the Energy Access Practitioner Network, a 2,500 member strong platform that convenes diverse stakeholders to scale energy access, at the United Nations Foundation. Yasemin earned her bachelor's degree in environmental science at Columbia University, and gained her master's degree in environmental management at the Yale School of Forestry and Environmental Studies.

Makena Ireri, Senior Associate, CLASP



Makena is a Senior Associate at CLASP, leading research on the Low Energy Inclusive Appliances programme, an initiative of the UK government's Department for International Development. Prior to joining CLASP, Makena managed energy access theme prizes under DFID's Ideas to Impact programme. She has also authored impact and baseline scoping research on improved institution cookstoves and refrigeration for the rural poor, contributed to research efforts in solar home system market stimulation in Bangladesh, and helped scope energy for humanitarian needs. Before that, she spent four years as an engineer in the UK Civil Nuclear Industry..

Kat Harrison, Director of Impact, Lean Data



Kat Harrison is Director of Impact at Lean Data, leading the impact work of Acumen's energy portfolio and Lean Data partners' through Lean Data. This has seen Kat design and deliver customer insights (profile, usage, feedback, impact) to social enterprises in the off-grid energy sector through 115 Lean Data projects with 35 companies, in 15 countries leading to the creation of the sector's first social impact performance benchmarks. Previously, Kat was the Director of Research & Impact at SolarAid, where she developed and managed the award-winning research and impact work at SolarAid – rehomed at Acumen. Combined, this work is the most comprehensive database of the impact of energy access on end-users. She Chaired the GOGLA Impact Working Group from its inception in 2013 until late 2017, leading the development of the GOGLA standardised Impact Metrics for the off-grid sector. Kat also managed multiple large-scale research projects, looking into the impacts of solar lights on poverty alleviation, household air pollution, and educational outcomes, with research partners, and is building links with others to enhance learning and ultimately effectiveness for the off-grid sector.

Abishek Bharadwaj, Program Manager Advisory, Energy 4 Impact



Abishek has over ten years' experience in facilitating social and economic development through rural electrification and PUE activities. Abishek has carried out mini-grid and PUE activities on the ground in East Africa for various donor programmes, including the GET Access Programme in Uganda, World Bank's Energy Business for Development Productive Use Facility, Devergy's Smart Solar Micro-Grids Pilot, Power Africa/NREL's Mini-grid Project and Business Advisory Programme, SIDA's Scaling up off-grid Renewable Energy in Rwanda and the AFDB's Green Mini-Grid Market Development Program, which includes a work stream on productive use country mapping, productive use best practice and demand side management. As a part of Rockefeller Foundation's Smart Power Program in India, Abishek conducted lab tests to develop the business model for milling on mini-grids. Abishek has a Bachelors in Mechanical Engineering and a Masters in Energy Science and Physics (CMU) and leads the mini-grid/PUE advisory team at E4I

Question and Answer Session



Yasemin Erboy Ruff,
CLASP



Makena Ileri,
CLASP



Kat Harrison,
Lean Data



Abishek Bharadwaj,
Energy 4 Impact

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